

ANNEXURES

Annexure 1 - Conferences Attended / Papers Presented

1. Nogia, P., Tomar, V., Sidhu, G.K., Mehrotra, R., and Mehrotra, S. 2015. Extensive duplication and subfunctionalization of a nitrate transporter gene in *Arabidopsis thaliana*: Multiple factors involved in paralog retention, Plant genome evolution: A current opinion conference, 6-8th September 2015, Amsterdam, The Netherlands.
2. Mehrotra, R., Jain, A., Khan, Z.H., Sangwan, C., and Mehrotra, S. 2015. Analysis of the promoter region of an amino acid transmembrane transporter from *Arabidopsis thaliana* reveals internal duplication of 196 base pairs Plant genome evolution: A current opinion conference, 6-8th September 2015, Amsterdam, The Netherlands.
3. Vipul, Sachin Saxena, Purva Bhalothia, Sandhya Mehrotra and Rajesh Mehrotra :Genome wide analysis of W-box in *Arabidopsis thaliana* reveals skewed distribution of TGACACATTTTGAC sequence in chromosome 1. Presented in IIT Kanpur "5th Annual International Conference on Advances in Biotechnology (BIOTECH 2015)" held at IIT, Kanpur during March 13-15, 2015.
4. Nogia P, Mehrotra, R. and Mehrotra, S. An approach towards introduction of cyanobacterial bicarbonate transporter into the chloroplast inner envelope of model C3 plant/s. In: *1st annual conference on Trends in Cell and Molecular Biology (TCMB 2015)*, December 19-21st, 2015, BITS Pilani K K Birla Goa Campus, Goa, India.
5. Tomar, V., Sidhu, G.K., Nogia P., Mehrotra, R. and Mehrotra, S. Occurrence and arrangement of three multisubunit inorganic transporters in cyanobacteria 3rd international Plant Physiology congress" Challenges and Strategies in Plant Biology Research" December 11-14, 2015, JNU, New Delhi, India. 6. Nagraj, J., Divya Nivedita, Joshi, P., Mukherjee, S., Chowdhury, R. and Chowdhury, S. 2015, Predicting microRNAs targeting Autophagy Pathway Genes. In: Annual International Conference on Advances in Biotechnology (BIOTECH 2015), 13th – 15th March 2015, Indian Institute of Technology, Kanpur (IITK).
7. Jangir, M. M., Kashyap, J. S., B. Vani, and Chowdhury, S. 2015, The Role of Cyanobacteria in Agriculture. In: National conference on Innovative Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Environmental Engineering and Climate Change (AFHABEC-2015). 31 Oct.-1 Nov. 2015, Organized by "Krishi Sanskriti" at Jawaharlal Nehru University, New Delhi.
8. Jangir, M. M., Kashyap, J. S., B. Vani, and Chowdhury, S. 2015, Elucidating the Alkaline Tolerance Mechanism of *Arthrospira platensis*: An In-silico study. In: 3rd International Plant Physiology Congress- Challenges and Strategies in Plant Biology Research, 11-14 December, JNU, New Delhi.
9. Jangir, M. M., Kashyap, J. S., B. Vani, and Chowdhury, S. 2015, Study of Alkaline Tolerance Mechanism in *Arthrospira platensis* NIES-39 - Sensitivity at different pH Regimes. In: Trends in Cell and Molecular Biology, TCMB 2015, 19-21st December at BITS Pilani KK Birla Goa Campus.
10. Panwar, J., Bhargava, A., Dilip, R.V. and Pareek, V. 2015. Rhizospheric metal tolerant fungal isolates: Leading edge tool for sustainable synthesis of metal and metal oxide nanoparticles. In: *2nd International Conference on Crop Improvement (ICCI-2015)*, Universiti Putra, Putrajaya, Malaysia. December 2-3, 2015, p. 34. 11. Dilip, R.V., Bhargava, A., Pareek, V. and Panwar, J. 2015 Rapid and efficient synthesis of silver nanoparticles by metal tolerant fungus. In: *4th International Conference on Advanced Nanomaterials and Nanotechnology*, December 8-11, 2015, Indian Institute of Technology, Guwahati.
12. Pareek, V., Bhargava, A., Khan, M.A., Dilip, R.V., and Panwar, J. 2015. Enhanced catalytic degradation of rhodamine B using mycogenic gold nanoparticles. In: *4th International Conference on Advanced Nanomaterials and Nanotechnology*, December 8-11, 2015, Indian Institute of Technology, Guwahati. 13. Gupta L, Gupta K, Dhawan R, Kajla M, Kakani P, Choudhury TP and Kumar S. 2015. SOCS5 in malaria vectors: Annotation, phylogenetic analysis in 18 *Anopheles* species. 6th World Congress on Biotechnology, New Delhi, 05-07th October.

14. Choudhury TP, Kajla M, Kakani P, Gupta K, Dhawan R, Gupta L and Kumar S. 2015. Exploring the role of *Anopheles stephensi* HEME PEROXIDASE in mosquito innate immunity. 6th World Congress on Biotechnology, New Delhi, 05-07th October.
15. Gupta L, Gupta K, Kumar S, Bihani A, Sharma Y and Trishal S. 2015. Genome-wide analysis of ABC transporters and characterization of ABC C12 in *Aedes aegypti*. 4th Congress on Insect Science, Indian Society for Advancement of Insect Science, Punjab Agricultural University, Ludhiana, Punjab.16- 17thApril.
16. Kumar S, Kajla M, Bhattacharya K, Banerjee U, Gupta K and Gupta L. 2015. Identification of plant secondary metabolites as potent mosquitocidals. 4th Congress on Insect Science, Indian Society for Advancement of Insect Science, Punjab Agricultural University, Ludhiana, Punjab.16-17thApril (Recipient of Best Oral Presentation Award)
17. Dubey,P., Dubey, P., and Dubey, U.S. "An SIR Model with Nonlinear Incidence Rate and Holling Type III Treatment Rate. *International Conference on Recent Advances in Mathematical Biology, Analysis and Applications (ICMBAA-15)*,June 4-6. Aligarh Muslim University.Aligarh.
18. P. Dubey, B. Dubey and U.S. Dubey, Optimal Control for Therapeutic Drug Treatment on a Delayed Model Incorporating Immune response. *BIOMAT 2015 International Symposium on Mathematical and Computational Biology*. Nov 1-6. Indian Institute of Technology Roorkee. Roorkee, Uttarakhand, India.
19. Dazzo FB, Liu J, Kwatra K, Gross C, Philips N, Monosmith C, Klemmer K, Ji Z, Gidcumb C, Shah R, McGarrell D, Folland I, Ganesan I, Smith P, Yanni Y, Gantner S, Jha P, Card K, Lundback S, Niccum B, Zamani S, Leader I, Stawkey D, Patel B, Jones A, and Abukar T. 2015. CMEIAS v3.10: Advanced computational tools of image analysis software designed to strengthen microscopy-based approaches for understanding microbial ecology. In: All Investigator Meeting, Kellogg Biological Station Long-Term Ecological Research Mtg, Michigan, USA.
20. Nehra P., Singh R.P., Sivasubramanian S.C., Jha P.N. and Khungar B. 2015 Synthesis, Characterization and Applications of an Ionic Liquid-supported Zinc Complex, National conference on "Frontiers at the chemistry-allied sciences interface", Department of Chemistry, University of Rajasthan, Jaipur, March 13-14, 2015. Abstract PP-43 and Pg. no. 99. 21. Nahata S, Singh RP and Jha P.N. 2015. Mediation of induced systemic tolerance (IST) by ACC Deaminase bacteria isolated from desert region of Rajasthan. (WAICEE-2015), February 27-28, 2015, Pg. No. 30 BITS Pilani, Dept of Chem. Engineering
22. Sharma, P.K. 2015. Use Of Analogies From Nonscience And Other Pedagogical Tools In Teaching Biochemistry And Cell Biology To A Large, Multi-Disciplinary, First Year Undergraduate Class. In: Second International Conference on Frontiers in Biological Sciences, Department of Life Science, February 22-24, 2015, NIT, Rourkela, India.
23. Asati, V. and Sharma, P.K. 2015. Purification and Characterization of Isoflavone Conjugate Hydrolyzing β -glucosidase (ICHG) from *Cyamopsis tetragonoloba*. In: National Research Scholars Meet- December 17-18, 2015, ACTREC, NAVI MUMBAI.
24. Participated as resource person in DBT and DU-DST Purse funded "Hands on training and capacity building for training workshop for photosynthesis assessment methods and data interpretation" being organized by the Department of Botany, University of Delhi, Delhi from Feb 11 to Feb 16, 2015.
25. Chowdhury R, Nagraj J and Mukherjee S. "Molecular Characterization of Chemo-resistance in Hepatocellular Carcinoma using Hep3B cell line as a model". Global Cancer Summit. 18-20th November 2015 (Oral Presentation).
26. Fageria L, Nagraj J, Mathur A, Gaikwad A, Goru S, Mukherjee S and Chowdhury R. "Molecular Alterations Involved in Cisplatin-induced Chemo-resistance and Epigenetic Alterations in Hepatocellular Carcinoma Cells". Global Cancer Summit. 18-20th November 2015 (Poster Presentation- BEST POSTER AWARD).
27. Dash S, Fageria L, Cheziyan V, Sarda N, Mukherjee S and Chowdhury R. "The Effect of Proinflammatory Cytokines on Epithelial to Mesenchymal Transition in Hepatocellular Carcinoma Cells". Global Cancer Summit. 18-20th November 2015 (Poster Presentation).

28. *Nagraj J*, Niveditha D, Joshi KP, Mukherjee S, Chowdhury S and *Chowdhury R*. "Predicting MicroRNAs Targeting Autophagy Pathway Genes". 5th Annual International Conference on Advances in Biotechnology. Global Science and Technology Forum (GSTF), IIT Kanpur, 13-15th March 2015 (Oral Presentation- BEST ORAL PRESENTATION AWARD

29. Sandhya Marathe, Milli Sabera, Suchismita Setthy, Debabrat Sabat, Harekrushna Sahoo, Monalisa Mishra. Plumage pattern investigation of *Psittacula krameri* at high resolution. In: 3rd International Multidisciplinary Microscopy and Microanalysis Congress & Exhibition (InterM), October 19-23, 2015, Oludeniz MUGLA / TURKEY

30. Biswa Bhusan Mohapatra, Sandhya Marathe, Gudra Hembram, Monalisa Mishra. Feather coloration of purple sunbird (*Nectarinia asiatica*). In: 3rd International Multidisciplinary Microscopy and Microanalysis Congress & Exhibition (InterM), October 19-23, 2015, Oludeniz MUGLA / TURKEY.

Title of Paper	Authors	Name of Conference	Venue & Date of conference
Impact of PMGSY roads on Rural Accessibility: A case study in Rajasthan	Ashoke kumar Sarkar, S. Kanuganti and A. P. Singh	National Seminar on Geoinformatics Applications in Rural Development,	26-27 March, 2015, NIRDPR, Hyderabad.

Design, development and implementation of first flush system:	Sourabh Bhati, and Rajiv Gupta,	Third International Conference on Creativity and Innovation at Grassroots [ICCI],	IIM, Ahmedabad, Jan 19-22, 2015
Improving benefits cost ratio for "Mounting Solar Power Plants on Water Canal top": A conceptual note,	Rajiv Gupta,	One day Technical meet on designing Economic Structures for Canal Tops Solar PV-Power Plants.	National Institute of Solar Energy, Gwai Pahari, Gurgaon, 24th April, 2015
Environmental & Socio-Economic Impacts of Mass Rapid Transit Using GIS	Rajiv Gupta, R Srinivas, V Swathi	ESRI User Conference	San Diego, California, USA, 20-24th July, 2015
Impact of drought on community, vulnerability and coping methods used in villages of northern Rajasthan, India	Rajiv Gupta, Amrita	2nd World Congress on disaster Management	19-22 Nov. 2015, Vishakhapatnam Andhra Pradesh, India
Sensing of contaminants in potable water using TiO ₂ functional film	Akshatha N, RK Gupta, V. Manjuladevi, P. Shukla and Rajiv Gupta	International Conf. on Emerging Technologies - Micro to Nano,	24-25 October 2015, Jaipur, India
Centre for Desert Development Technologies, Pilani	Rajiv Gupta	Alignment of National Action Program on Combating Desertification to 10 years Strategy of UNCCD	Arid Forest research Institute at Jodhpur, 18 th March 2015
A Review of Emerging Trends on Water Quality Measurement Sensors	Jyotirmoy Bhardwaj, Rajiv Gupta, K. K. Gupta,	IEEE International Conference on Technologies for Sustainable Development	ICTSD, DBIT, Mumbai, Feb, 2015
A Finite Element Approach to Study the Structural Response of Skew Box Girder Bridges	Tanmay Gupta and Manoj Kumar	4th Int. Conference on Advance Trends in Engg. Tech. and Research,	BKIT Kota, 18th-20th June 2015
Integrating Fuzzy AHP and GIS to Prioritize Sites for the Solar plant Installation	Rajiv Gupta, Harish Puppala, Shalini Kanuganti	12th International Conference on Fuzzy Systems and Knowledge Discover (FSKD'2015), held by Hunan University	August 15-17, 2015, Zhangjiajie, China., P1550

Application of Genetic Algorithm in Design of Water Tanks	Rajiv Gupta	International Conference On Advances in Civil, Structural and Mechanical Engineering - ACSM	IRED, USA, Bangkok, Thailand, 21-22 Feb., 2015
A Review of Emerging Trends on Water Quality Measurement Sensors	Jyotirmoy Bhardwaj, Rajiv Gupta, K. K. Gupta,	IEEE International Conference on Technologies for Sustainable Development (ICTSD -2015)	DBIT, Mumbai, 4-6 Feb., 2015
Application of Multi-Criteria Analysis in Environment Impact Assessment	R. Patil, A. Singhal, Rajiv Gupta	International Conference on Water: From Pollution to Purification, (ICW 2015), Centre for Environment Education and Technology (CEET)	Kottayam, India, Jan, 23-26, 2015
Design, development and implementation of first flush system	Sourabh Bhati, and Rajiv Gupta	Third International Conference on Creativity and Innovation at Grassroots [ICCI],	IIM, Ahmedabad, Jan 19-22, 2015
An Experimental Investigation of The Effect of Carbonation on Properties of Plain Concrete	Shaik Hussain, Dipendu Bhunia, and S. B. Singh	Eighth International Conference on Construction in the 21st Century (CITC-8). Changing the Field:	May 27-30, Thessaloniki, Greece, 2015

		Recent Developments for the Future of Engineering and Construction	
GIS Application for the Environmental Management in Critically Polluted areas due to Industrial Clustering	Sonal, Manisha, Rajiv Gupta, Anupam Singhal	International Conference on Water: From Pollution to Purification, (ICW 2015), Centre for Environment Education and Technology (CEET)	Kottayam, India, Jan, 23-26, 2015.
Simultaneous Demand Estimation Models for Major Seaports in India	Sahu, P., and Patil, G. R	94th Annual Meeting, Transportation Research Board	Washington D.C., USA, 11th – 15th Jan, 2015
Flexural and shear performance of high dosage steel fibre reinforced concrete in suspended slabs	R.P.West, A. K. Mohammed and D. Bhunia, S. Hussain	Proceedings of UKIERI Congress-2015	NIT Jalandhar, 2-5th November 2015
An Experimental Investigation of the Effect of Carbonation on Properties of Plain Concrete	D. Bhunia and S.B.Singh	Eighth International Conference on Construction in the 21st Century (CITC-8) "Changing the Field: Recent Developments for the Future of Engineering and Construction	Thessaloniki, Greece, May 27-30, 2015
A study on mechanical properties of plain concrete with depth of carbonation	S. Hussain, D. Bhunia and S.B.Singh	Proceedings of UKIERI Congress-2015	NIT Jalandhar, 2-5th November 2015.
Determination of Best Suited Cross Section Shape for Skewed Concrete Box-Girder Bridges	Tanmay Gupta, Manoj Kumar.	Structural Engineers World Congress (SEWC)	Singapore, Oct. 19-22, 2015

Groundwater Quality Assessment in some selected area of Rajasthan, India Using Fuzzy Multi-Criteria Decision Making Tool	Srinivas, R., P. Bhakar, and A.P. Singh	ICWRCOE-15	NIT Suratkal April 17-18,
Sustainability analysis of a stretch of Ganga river using fuzzy multi-criteria decision making approach	Srinivas, R. and Singh, A.P.	Hydro 2015 International, 20th International Conference on Hydraulics, Water Resources and River Engineering	IIT Roorkee, India. 17-19 Dec., 2015
Assessment of Level-of-Service of Two-Lane Highways with Heterogeneous Traffic.	Saha, P., Sarkar, A. K. & Pal, M.	94th Annual meeting of Transportation Research Board,	Washington, D.C., 11-15 January 2015
Study of Modal Shift to Bus Rapid Transit (BRT) In Developing Country: A Case Study in India	Ajinkya S. Mane, Ashoke Kumar Sarkar and Shrinivas S. Arkatkar	94th Annual meeting of Transportation Research Board,	Washington, D.C., 11-15 January 2015
Lateral Torsional Buckling Response of Pultruded GFRP Laminated Beams with Bearing Stiffeners,	S. B. Singh, and Himanshu Chawla	International Conference on Advances in Civil and Environmental Engineering 2015 (ACEE2015), Pulau Pinang,	Malaysia, July 28-30, 2015
Strengthening of Masonry Beams with ECC as Bed Joint	S. B. Singh, Pankaj Munjal, and Nikesh Thammishetti	International Conference on Advances in Civil and Environmental Engineering 2015 (ACEE2015)	Pulau Pinang, Malaysia, July 28-30, 2015
Influence of Water-Cement	S. B. Singh, Pankaj	Proc. of UKIERI Concrete	NIT Jalandhar,

Ratio on Mechanical Properties of Cement Mortar	Munjal, and Thamiseti Nikesh	Congress,	Nov. 2-5, 2015
Concrete Research Driving Profit and Sustainability	Shaik Hussain, Dipendu Bhunia, and S. B. Singh	Proc. of UKIERI Concrete Congress,	NIT Jalandhar, Nov. 2-5, 2015
A Study on Effect of Carbonation on the Strength of Un-Reinforced Concrete	Shaik Hussain, Dipendu Bhunia, and S. B. Singh	Proc. of IABSE	Geneva, Switzerland, Sept. 23-25, 2015
Prediction of live storage of water resources using neural network time series model, case study on Mettur dam	Mulchandani, H.K, and Singh, A.P.	Hydro 2015 International, 20th International Conference on Hydraulics, Water Resources and River Engineering	17-19 Dec., 2015, IIT Roorkee, India.
Short Term Traffic Prediction Using Monte Carlo Simulation	Mishra, Raunak and Singh, Ajit Pratap and Sharma, Antriksh and Sarkar, A.K.	3rd Conference of Transportation Research Group of India	Kolkata, India, 17-20 December 2015
Evaluation of Bus Route Operations Using Fuzzy AHP	Mishra, Dewal and Wagale, Makrand and Singh, Ajit Pratap and Sarkar, Ashoke Kumar (2015).	3rd Conference of Transportation Research Group of India	Kolkata, India, 17-20 December 2015
Development of a Pavement Management system for rural roads using HDM-4	Narayan, K Siddharth and Singh, Ajit Pratap and Wagale, Makrand and Sarkar, A. K.	3rd Conference of Transportation Research Group of India	Kolkata, India, 17-20 December 2015
A Study on Industrial Waste as a Fertilizer	Anuradha Devi, Anupam Singhal , Rajiv Gupta, S.K. Verma and A.N.Singh	5th Annual conference on Advances in Biotechnology	IIT Kanpur 13 th to 15 th March 2015

Correlation Between Safe Bearing Capacity and Angle of Internal Friction of Pilani Soil	Kamalesh Kumar	First International Conference on Advances in Engineering and Management Research organized by HCTL Open Publications Solutions	Dehradun 19 July, 2015
Atterberg Limits Estimation of Pilani Soil Using Ultrasonics	Kamalesh Kumar	6th Int. Conf. on Structural Engineering and Construction Management,	Sri Lanka, 11-13 December, 2015
Dynamic Buckling Study of Laminated Composite Plate	S.N.Patel, P.A.Abhishek, R. Deepthi Reddy and Nikam Amol S	International Conference on Innovations in Structural Engineering	Osmania University, Hyderabad, 14-16, Dec. 2015
Dynamic Response of Laminated Composite Plates	S.N.Patel and V.Keshav	International Conference on Computer Aided Engineering	GITAM University – Hyderabad, 10-12, Dec.2015
Dynamic Analysis of Isotropic Plates	V. Keshav and S.N.Patel,	National Conference of Recent Advancements in Civil and Environmental Engineering	BRCM College of Engg.& Tech. Bahal, 28-29, Nov. 2015
Dynamic Buckling Study of Laminated Composite Stiffened Plate	S.N.Patel, P.A.Abhishek, R. Deepthi Reddy and Nikam Amol S.	The 2015 World Congress on Advances in Structural Engineering and Mechanics	South Korea 25-29, August 2015
Nonlinear Dynamic Instability Analysis of Laminated Composite	S.N. Patel	18th International Conference on Composite Structures	Epic Sana, Lisbon, Portugal, 15-18,

Stiffened Plates			June, 2015
Review of Alignment design consistency in Mountainous/ Hilly Roads	Nama, S., Maurya, A., Maji, A., Sahu, P., and Edara, P.	3rd Conference of Transportation Research Group of India	Kolkata, 17th – 20th Dec., 2015
An Improved Approach to Forecast Mormugao Port Freight Flow	Sahu, P., and Patil, G. R.	3rd Conference of Transportation Research Group of India	Kolkata, 17th – 20th Dec., 2015
Investigation of Factors Affecting the Consistency of Short-Period Traffic Counts	Kenno, S. Y., Sahu, P., Mehran, B., and Sharma, S.	3rd Conference of Transportation Research Group of India	Kolkata, 17th – 20th Dec., 2015
Optimization of Earthwork Cost for Road Project using Mathematical Programming	Choudhari, S., Sahu, P., and Roy, D.	3rd Conference of Transportation Research Group of India	Kolkata, 17th – 20th Dec., 2015
Simultaneous Demand Estimation Models for Major Seaports in India	Sahu, P., and Patil, G. R.	94th Annual Meeting, Transportation Research Board	Washington D.C., USA, 11th – 15th Jan., 2015
RC Jacketing on RCC Frame of overhead water tanj using results of Non-destructive Testing: A Case Study	Mishra A, Singh M, Srivastava A	6 th Int. Conf. on Structural Engg. and Construction Management	Kandy, Sri Lanka, 11-14 Dec. 2015
Development of sugarcane bagasse ash blended geopolymer for use in concrete	Deepika S, Madhuri G, Bahurudeen, A, Santhanam M	RILEM International Conference Concrete	Australia, Aug. 30- Sept. 02, 2015
Development of ambient cured slag based alkali activated concrete for use in precast industry	Madhuri P, Bahurudeen, A, Santhanam, M	UKIERI Concrete Congress: Concrete Research Driving Profit and Sustainability	NIT Jalandhar, 2-5th Nov. 2015
Early Age Compressive Strength Prediction of Mortar using Isothermal Calorimetry and Linear Regression Model	Gokul Dev V., Viswanath Mahadevan and Bahurudeen A	International Conference on modeling and simulation in Civil Engineering	TKM, India, 9-11 Dec. 2015
Modeling the hydration kinetics of blended cements. International Conference on modeling and simulation in Civil Engineering	Siva Teja Chopperla, Bahurudeen A, and K. Mohammed Haneefa	International Conference on modeling and simulation in Civil Engineering	TKM, India, 9-11 Dec. 2015
Development of sustainable concrete paver blocks using sugarcane bagasse ash blended cement	Deepika, S, Godara, A, Mondal, D, Bahurudeen, A, Santhanam, M	ICI International Conference ACECON 2015	Kolkata, India, 8-10 Oct. 2015
Performance evaluation of sugarcane bagasse ash and rice husk ash blended cements against sulphate attack	Yamuna V, Bahurudeen, A, Santhanam, M	UKIERI Concrete Congress: Concrete Research Driving Profit and Sustainability	NIT Jalandhar, 2-5th Nov. 2015
Performance of sugarcane bagasse ash and rice husk ash blended cements	Yamuna V, Bahurudeen, A, Santhanam, M (2015)	ICI International Conference ACECON 2015	Kolkata, India, , 8-10 Oct. 2015

1. Pradipta Chattopadhyay, R. Arun Karthick, Perla Kishore, "Comparison studies for Foamability of foam **generated** by use of Surf Excel and Sodium Lauryl Sulfate", Proceedings of Conference on Recent Trends in Chemical Engineering and Technology (REACT 2015), Nagpur, India, 27-28th February, 2015.
2. Pradipta Chattopadhyay, R. Arun Karthick, Venkata Vijayan, Soumya Chowdhury, "Foamability and stability of foam generated by use of Ethanol and Surf Excel", Proceedings of Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE 2015), BITS Pilani, Pilani, India, 27- 28th February, 2015.
3. Jain, R., Suman, S., Gupta, Anshu., Mazumder, S., "Synthesis and Characterization of Polymeric **Nanoparticles for Oral Delivery of Aspirin for Anti Cancer Treatment**" in International Conference and Exhibition on Biotechnology, Hyderabad, 3-4 August, 2015.
4. Chopra, M., Jain, R., Mazumder, S., "Synthesis and characterization of polymeric nanoparticles for oral delivery of curcumin" in International Conference on Nanotechnology (ICNT 2015), Haldia, 19-22 February, 2015.
5. Mazumder, S., "Effect of polysaccharide chemistry on solution concentration of nanoparticle complexes **of** polysaccharides and antiviral drugs", Nanotech Dubai 2015, Dubai, UAE, 16-18 March, 2015
6. Dewangan, A.K., Varkey, S., Mazumder, S., "Synthesis of Curcumin Loaded CMCAB Nanoparticles for **Treatment** of Rheumatoid Arthritis", International Conference on Chemical, Environmental and Biological Sciences (CEBS 2015), Dubai, 18-19 March 2015.
7. Varkey, S., Dewangan, A.K., Mazumder, S., 2015. ""Optimization of Product Parameters of Drug Loaded Polymeric Nanoparticles Prepared by Rapid Precipitation", International Conference on Chemical, Environmental and Biological Sciences (CEBS 2015), Dubai, 18-19 March 2015.
8. Riddhi J, Shravan P and A K Sharma, Statistical Thermodynamics: Opportunities and Challenges, Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE 2015), Feb 27-28, 2015, Pilani, India.
9. Ashwath A B, Karthick R and A K Sharma, Effects of Secondary Cracking in Fluid Catalytic Cracker, National Conference on Technological Advances in Chemical, Petroleum and Natural Gas Engineering (ACPNe 2015), April 10-11, 2015, Chandigarh, India.
10. Somesh Mishra, Smita Raghuvanshi and Suresh Gupta, "Closed system for CO₂sequestration and production of valuable bio-molecule via Chemolithotroph", Proceedings of International conference on carbon dioxide utilization to be held from July 5-9, 2015 at Singapore.
11. Chelikani Sowmya, Annie Christina Jenifer, Amrita Preetam and Smita Raghuvanshi, "Life Cycle Assessment of Waste Water Treatment Plant (WWTP)", Proceedings of International conference on carbon dioxide utilization to be held from July 5-9, 2015 at Singapore.
12. Vikrant Bhakar, D.N.S. Hemanth Kumar, Nitin Krishna Sai, Kuldip Singh Sangwan, Smita Raghuvanshi, Proceedings of 13th Global Conference on 13th Global Conference on Sustainable Manufacturing, held from Septemeber 16-18, 2015 at Vietnam.
13. Smita Raghuvanshi, Siddharth Kawadiya, Harshal Dongre, Prateek Sai Gehlot, Suresh Gupta, "Characterization of a Biofiltration System for removal of trichloroethylene (TCE)", Proceedings of 68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015) and present their peper held at IIT Guwahati during 27 - 30 December, 2015.
14. Shravan P, Raghuram H. S., Mazumder S, Synthesis and Characterization of ZnS quantum dots in aqueous media, Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE 2015), Feb 27-28, 2015, Pilani, India.
15. Shravan P, Raghuram H. S., Mazumder S, Synthesis and Characterisation of Fe(III) doped ZnS based Colloidal Quantum Dots in Aqueous Media in International Conference on Nanotechnology (ICNT 2015), Haldia, 19-22 February, 2015.
16. Pradipta Chattopadhyay, R. Arun Karthick, Venkata Vijayan, Soumya Chowdhury, "Comparison of Foaming Properties of Ethanol- Tween 20 and Ethanol- Tween 80 Systems", Proceedings of 6th Asian Conference on Colloid and Interface Science (ACCIS 2015), Sasebo, Japan, 24-27th November, 2015. (International).

17. Pradipta Chattopadhyay, R. Arun Karthick, "Optimum Foams for understanding detergent formulations", **Proceedings of 6th Asian Conference on Colloid and Interface Science (ACCIS 2015)**, Sasebo, Japan, 24-27th November, 2015. (International).

18. Pradipta Chattopadhyay, R. Arun Karthick, Venkata Vijayan, Soumya Chowdhury, Roshan Mishra "Optimum Isopropanol foams for soil remediation applications", **Proceedings of World Research Journals Conference (WRC 2015)**, Dubai, UAE, 7-9th December, 2015. (International).

19. Pradipta Chattopadhyay, R. Arun Karthick, Venkata Vijayan, Soumya Chowdhury, "Optimum Dodecanol-detergent foam performance for formulation of eco-friendly surfactants", **Proceedings of World Research Journals Conference (WRC 2015)**, Dubai, UAE, 7-9th December, 2015. (International).

20. Pradipta Chattopadhyay, R. Arun Karthick, Venkata Vijayan, "Optimum Foaming Capability for Long Chain Alcohol- **Detergent Mixtures**", **Proceedings of 68th Annual Session of IICHE (CHEMCON 2015)**, Guwahati, India, December 27-30, 2015. (National).

1. Dr. Sonal Mazumder attended International Conference and Exhibition in 2nd Edition Nanotech Dubai - 2015 for an oral presentation on "Effect of Polysaccharide Chemistry on the solution concentration of nanoparticle complexes of polysaccharides and antiviral drugs" held from 16 to 18 March 2015 in Dubai - UAE.

2. Mr. Maulick Chopra, attended International Conference on Nanotechnology (ICNT - 2015) and present a paper on "Synthesis and characterization CMACB-curcumin nanoparticles for drug delivery". From February 19-22, 2015 in Haldia, W.B.

3. Dr. Pradipta Chattopadhyay attended 6th Asian Conference on Colloids and Interface Science (ACCIS 2015), held in Sasebo, Japan from 24-27th November, 2015.

4. Dr. H K Mohanta and Dr. Banasri Roy attended 68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015) and were present a paper on Control of a Fluidized-bed Catalytic Cracking Unit using PID and Fuzzy Logic Controllers & Effect of variable conditions on VPR and APR of n-BuOH over Ni/CeO₂ and Ni/Al₂O₃ catalysts held at IIT Guwahati during 27 December 2015 – 30 December 2015

5. Dr. Suresh Gupta and Dr. Smita Raghuvanshi attended 3rd International Conference on Chemical, Biological, and Environmental Sciences (ICCBES' 15) and were present a paper on Cobalt Oxide Nanoparticles for the Removal of Cu(II) from Aqueous Solution & Mitigation of CO₂ using isolated species from Sewage Treatment Plant: A biobased approach held at Bangkok (Thailand) during 31st December 2015 - 1st January 2016

6. The team of three ME Chemical Engineering students i.e Nitin Krishna Sai L, Garima Verma and Amrita Preetam attended 68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015) and present their paper held at IIT Guwahati during 27 December 2015 - 30 December 2015

7. Nitin Sai K, ME Chemical Engineering student attended 13th Global Conference on Sustainable Manufacturing (GCSM) in Ho Chi Minh City at Vietnam from September 16 - 18, 2015 and also presented a paper entitled "Life cycle assessment of filtration systems of reverse osmosis units: a case study of a university campus".

- S. Pande, Oral presentation on "Synthesis of Mono- (Au & Pd) and Bimetallic (AuPd) Nanoparticles via Photochemical Route using Graphitic-Carbon Nitride (g-C₃N₄) Quantum Dots", 17th National Conference on Surfactants, Emulsions and Biocolloids organized by School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, during November 4-6, 2015.

- S. Pande, Invited talk on "Synthesis and visible-light driven photocatalyst of graphitic(g)-C₃N₄/ZnO, Pd, and Pt nanoparticles", National Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2015)" organized by Department of Chemistry, University of Rajasthan, Jaipur, during 13 - 14th March, 2015.

- P. Fageria, S. Pande, National Conference on Frontiers at the Chem-Allied Sciences Interface (FCASI-2015) at University of Raj, Jaipur, organized by Center of Advanced Study, Depart of Chem, UOR, Jaipur, during 13-14 March, 2015.

- P. Fageria, S. Pande, National Conference on Recent Advancements in Chemical Sciences (RAICS 2015) organized by Department of Chemistry, MNIT Jaipur, during 21-23 August, 2015.

- Sunita Kumari, Sonu, G. Sundar and Subit K. Saha, "Solvation Dynamics and Rotational Relaxation of Coumarin 480 in Aqueous Micelles: Effect of Polar Spacer Group and Hydrophobic Tails of Cationic **Gemini Surfactants**" in National conference on Frontiers at the Chemistry- allied Sciences Interface

(FCASI-2015), held at University of Rajasthan, Jaipur. March 13-14, 2015.

- Sunita Kumari, Sonu, G. Sundar and Subit K. Saha, "Aggregation Behavior of Hexadecyltrimethylammonium Surfactants with Various Counterions: A Solvation Dynamics and Rotational Relaxation Study" in National conference on Recent Advancements in Chemical Sciences (RACIS-2015), held at Malaviya national institute of technology, Jaipur. August 21 - 23, 2015.
- Sunita Kumari, Sonu, G. Sundar and Subit K. Saha, "Effect of Counterions on Solvation Dynamics and Rotational Relaxation of Coumarin 480 in Aqueous Micelles of Hexadecyltrimethylammonium Surfactants" in International conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015), held at Department of Chemistry, BITS Pilani, Pilani Campus. October 16-18, 2015.
- Rajeev Sakhujia attended 52nd Annual Convention of Chemists 2015 at JECRC University Jaipur, from December 28-30.
- Rajeev Sakhujia attended International conference on "Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015)" organized by Department of Chemistry, BITS Pilani during October 16-18, 2015.
- Noorullah Baig, Ajay Kumar Sah, "Glucose derived dioxo-molybdenum (VI) complexes: synthesis, characterization and their studies on sulphide oxidation" "18th European Carbohydrate Symposium" (EUROCARB 18), Held at Moscow, Russia, August 2-6, 2015
- Noorullah Baig, Ajay Kumar Sah, " Synthesis of bis(indolyl)methanes under solvent free condition using glucopyranosylamine derived *cis*-dioxoMo(VI) complex as a catalyst" "International Conference on Nascent Developments in Chemical Sciences" (NDCS 2015), BITS Pilani, Pilani Campus, Rajasthan, India, October 16-18, 2015
- Shamik Chakraborty, Faraday Discussion No 177 on Temporally and Spatially Resolved Molecular Science: Organised by Royal Society of Chemistry at IISc Bangalore, India, During Jan, 12-14, 2015. Shamik Chakraborty, National Conference on Frontiers at the Chem-Allied Science Interface (FCASI-2015) at the University of Rajasthan, Jaipur, India, During March 13-14, 2015.
- Shamik Chakraborty, Spectroscopy and Dynamics of Molecules and Clusters (SDMC-2015) at Naini Retreat, Nainital, India. Organised by IITShamik Chakraborty, International Chemical Congress of Pacific Basis Societies, Pacificchem-2015, at Honolulu, Hawaii, USA, During December 15-20, 2015. Kanpur and IISER Mohali, during Feb, 19-22, 2015.
- Archana Choudhary, Bidisa Das and Saumi Ray, "Effect of Host Supercage on the Encapsulated Complexes in Zeolite Y: Experimental and DFT Study" in National conference on Frontiers at the Chemistry – allied Science Interface (FCASI-2015), held at university of Rajasthan, jaipur, 13-14 March, 2015
- Archana Choudhary, and Saumi Ray, "Effect of Encapsulation on the Optical, Magnetic and catalytic properties of the square planar nickel Schiff-base in zeolite Y." International conference on Nascent Development in Chemical Sciences: Opportunities for Academia- Industry collaboration (NDCS-2015), held at Department of Chemistry, BITS Pilani, Pilani Campus. October 16-18, 2015.
- Archana Choudhary, Bidisa Das and Saumi Ray, "Encapsulated Schiff Base Nickel Complexes in Zeolite Y: Correlation Between Catalytic Activities and Extent of Distortion Supported by Experimental and DFT Studies" National Conference on New Frontiers in Chemistry - From Fundamentals to Applications, (NFCFA-2015), held at Department of Chemistry, BITS Pilani K.K. Birla Goa Campus. December 18-19, 2015.
- Pankaj Nehra, Vaishali Saini, Bharti Khungar, S. C. Sivasubramanian "Synthesis, Characterization, Biological Activities and Photophysical properties of an Ionic Liquid-supported Schiff Base Zinc Complex", International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration, BITS Pilani, October 16-18 2015.
- Vaishali Saini, Pankaj Nehra, Bharti Khungar, "Ionic **liquid functionalized metal salen complexes**: Synthesis, characterization and applications", International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration, BITS Pilani, October 16-18 2015.
- Indresh Kumar; Attended and act as co-convener of "International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration" at BITS Pilani during October 16-18, 2015.
- GM Shelke, M Jha, A Kumar, "Facile access to substituted dihydrothiopyrano[2,3-*b*]indoles via sequential rearrangements during S-alkylation and Au-catalyzed hydroarylation on indoline-2-thiones" at 21st ISCBC- 2015, Department of chemistry, CDRI, Lucknow, February 25-28th, 2015.
- GM Shelke, A Kumar, M Jha, "Synthesis of Substituted Benzothiazino[3,2-*a*]indoles and Dihydroisothiochromeno[3,4-*b*]indoles via Intramolecular C-N and C-C Coupling" at NDCS-2015, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.

- GM Shelke, A Kumar, M Jha, "Synthesis of Substituted Benzothiazino[3,2-a]indoles and Dihydroisothiochromeno[3,4-b]indoles via Intramolecular C-N and C-C Coupling" at CCDDR-2015, Department of chemistry, Malaviya National Institute of Technology Jaipur, Rajasthan, 23-25 November, 2015.
- S Choudhary, M K Muthyala, A Kumar: "Ionic liquid phase synthesis (IoLPs) of 2 aminothiazoles and imidazo[1,2-a]pyridines" at 21st ISCBC- 2015, Department of chemistry, CDRI, Lucknow, February 25-28th, 2015.
- S Choudhary, K Pandey, A Kumar: "Exploration of Ionic Liquid-supported Sulfonyl Chloride for Suzuki-Miyaura Cross Coupling Reaction" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- P Kaswan, K Pericherla, H.K Saini, A Kumar: "Tandem one pot, three component reaction of methyl ketones, aldehydes and 2-aminopyridines for the synthesis of 3-arylimidazo[1,2-a]pyridines" at National Conference on Frontiers at The Chemistry- Allied Sciences Interface (FCASI-2015), Department of Chemistry, University of Rajasthan, Jaipur, March 13-14, 2015.
- P Kaswan, N Nandwana, A Kumar: "" at NDCS-2015, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- P Kaswan, N Nandwana, A Kumar: "" at 52nd Annual Convention of Chemists 2015 and International Conference on Recent Advances in Chemical Sciences, Department of Chemistry, JECRC University, Jaipur, Rajasthan, December 28-30th, 2015.
- Khima Pandey, S Choudhary, A Kumar: "Imidazolium-supported Sulfonyl Hydrazine- An Efficient Scavenger for Aldehydes and Ketones" at 21st ISCBC- 2015, Department of Chemistry, CDRI, Lucknow, February 25-28th, 2015.
- **Khima Pandey, S Choudhary, Saroj, A Kumar:** "Sulfonic Acid Functionalized Imidazolium Triflate Catalysed Construction of 4*H*-chromenes and Benzo[*f*]furans" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- Khima Pandey, S Choudhary, Saroj, A Kumar: "Sulfonic Acid Functionalized Imidazolium Triflate Catalysed Construction of 4*H*-chromenes and Benzo[*f*]furan derivatives" at NFCFA-2015, Department of Chemistry, BITS Pilani KK Birla Goa Campus, Goa, 18-19th December, 2015.
- Saroj, S Choudhary, M Muthyala, A Kumar: "Ionic Liquid-Supported Azide: An Efficient Soluble Scavenger for Alkynes" at 21st ISCBC- 2015, Department of Chemistry, CDRI, Lucknow, February 25-28th, 2015.
- Saroj, Ganesh M Shelke, K Pandey, A Kumar: "Sulfonic Acid Functionalized Imidazolium-Salt Catalyzed and Ultrasound Promoted Synthesis of 3-Alkylated/Alkenylated Indole" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015. • Saroj, Ganesh M Shelke, K Pandey, A Kumar: "Sulfonic Acid Functionalized Imidazolium-Salt Catalyzed and Ultrasound Promoted Synthesis of 3-Alkylated/Alkenylated Indole" at NFCFA-2015, Department of Chemistry, BITS Pilani KK Birla Goa Campus, Goa, 18-19th December, 2015.
- Hitesh K Saini, K Pericherla, P Kaswan, A Kumar: "A copper catalysed efficient synthesis of Naphtho[1',2':4,5]imidazo[1,2-a]pyridines" at 21st ISCBC- 2015, Department of Chemistry, CDRI, Lucknow, February 25-28th, 2015.
- Hitesh K Saini, P Kaswan, K Pericherla, A Kumar: "Synthesis of Naphtho-Fused Imidazo[1,2-a]pyridines via copper catalysed cascade reaction and study o their photophysical properties" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- Hitesh K Saini, P Kaswan, K Pericherla, A Kumar: "Synthesis of Naphtho-Fused Imidazo[1,2-a]pyridines via copper catalysed cascade reaction and study o their photophysical properties" at CCDDR-2015, Department of chemistry, Malaviya National Institute of Technology Jaipur, Rajasthan, 23-25 November, 2015.
- National workshop on "Nuclear Magnetic Resonance (NMR) Spectroscopy" organized at SAIF, IIT Madras, Chennai during 25 - 27, Feb 2015.
- Shiv Dhiman, H K Saini, N K. Nandwana, D Kumar, A Kumar: "One-Pot Copper Catalyzed Tandem Knoevenagel Condensation, Amination and Cyclization: A Facile Regioselective Synthesis of Quinoline Derivatives" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- Shiv Dhiman, H K Saini, N K. Nandwana, D Kumar, A Kumar: "One-Pot Copper Catalyzed Tandem Knoevenagel Condensation, Amination and Cyclization: A Facile Regioselective Synthesis of Quinoline Derivatives" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- Nitesh Kumar Nandwana, K Pericherla, P Kaswan, A Kumar: "Synthesis of Novel Azole-Fused Quinazolines via Tandem Approach" at 21st ISCBC- 2015, Department of Chemistry, CDRI, Lucknow, February 25-28th, 2015.

- Nitesh Kumar Nandwana, S Dhiman, G M Shelke Anil Kumar: "Synthesis of Imidazo Quinazolines via Copper Catalyzed Ullmann Type C-N Coupling and Dehydrative Cyclization" at NDCS, Department of chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, October 16-18, 2015.
- Nitesh Kumar Nandwana, S Dhiman, G M Shelke Anil Kumar: "Synthesis of Imidazo Quinazolines via Copper Catalyzed Ullmann Type C-N Coupling and Dehydrative Cyclization" NFCFA-2015, Department of Chemistry, BITS Pilani KK Birla Goa Campus, Goa, 18-19th December, 2015
- Moyna Das and Dr. Madhushree Sarkar, " Study of Photophysical Properties of bis-benzyl-alkyl-diimines" in International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015), Department of Chemistry, BITS Pilani, Pilani Campus, October 16-18, 2015
- Fayaz Baig, Rajnikant, Vivek K Gupta, and Madhushree Sarkar, "Analysis of Structure-Optical Property Relationship of bis-pyridyl alkyl di-imines" in International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015), Department of Chemistry, BITS Pilani, Pilani Campus, October 16-18, 2015

(i) Conferences attended/papers presented outside India:

Gautam, A., Murthy, A. K., Kumar, G., Ram, A. S. P., Jha, B., Mohan, S. (2015). Cluster, Allocate, Cover: An Efficient Approach for Multi-Robot Coverage. Accepted manuscript submitted for publication in *2015 IEEE International Conference on Systems, Man, and Cybernetics (SMC2015)*, Hong Kong, China, 2015.

(ii) Conferences attended/papers presented in India (both International and National):

1. K Haribabu, and Hota Chittaranjan: "Analysis of Floating Index Caching Technique for P2P Overlay Index Propagation", 16th International Conference on Distributed Computing and Networking, Goa, India, 2015.
2. Lavika Goel: "A 2D Illumination Based Adaptive Gaze Tracking Approach for Varied Head Orientations" 2nd International Conference on Computing for Sustainable Global Development (INDIA COM), IEEE Xplore, IEEE Publications held at Bharti Vidyapeeth, New Delhi, 2015.
3. **Avinash Gautam**: "Cluster, Allocate, Cover: An Efficient Approach for Multi-Robot Coverage", International Conference on Systems, Man, and Cybernetics (SMC 2015) to held in Hong Kong, China [Scopus Indexed, h5-Index = 22], 2015.
4. Vandana Agarwal and Surekha Bhanot: "Firefly Inspired Feature Selection for Face Recognition", 8th International Conference on Contemporary Computing (IC3-2015) held at JIIT, Noida, India, 20-22 August 2015. [SCOPUS indexed , h5-index =10] (Presented), 2015.
5. **Amit Bisaria, Virendra S Shekhawat, V K Chaubey**: "Heuristic Algorithms for Routing and Wavelength Assignment (RWA) Planning Algorithms in Optical WDM Networks", International Conference on Telecommunication Technology and Management (ICTTM-2015), IIT Delhi, India, April 2015.
6. **Rupal Bhargava, Yashvardhan Sharma**: "Analyzing Sentiments through Text Summarization", International Conference on Evidence Based Management, 2015.
7. Poonam Goyal, Sonal Kumari, Dhruv Kumar, Sundar Balasubramaniam, Navneet Goyal, Saiyedul Islam **and Jagat Sesh Challa**: "Parallelizing OPTICS for Commodity Clusters", 16th International Conference on Distributing Computing and Networking (ICDCN'15), January 2015, Goa, India, 2015
8. N Mehala, D Bhatia and P Goyal, "An approach for search result topic identification and labelling", In Proceedings of Second ACM IKDD Conference on Data Science (CoDS 2015), March 2015, Bengaluru, India.
9. Mayuri Digalwar, Praveen Gahukar, Sudeept Mohan, Biju K. Raveendran: "STREAM: A Simulation Tool for **Energy Efficient Real Time Scheduling** and Analysis", 6th International Workshop on Analysis Tools and Methodologies for Embedded and Real Time Systems (WATERS 2015), Lund, Sweden, July 3, 2015.
10. Vishal Gupta: "Simulating WDN network using EPANET", International Conference on Evidence Based Management (ICEBM 2015), BITS Pilani, 2015.
11. Yashvardhan Sharma: "Temperature Prediction based on Fuzzy Time Series and MTPSO with Automatic Clustering Algorithm", 2nd International Symposium on Computational and Business Intelligence (ISCBI-II 2014), 2015.
12. Yashvardhan Sharma, D. Bhatia: "Near Real Time Data Warehouse with Priority Updates", 2nd Workshop on Smarter Planet and Big Data Analytics, 16th International Conference on Distributed Computing and Networking (ICDCN 2015).
13. **Yashvardhan Sharma**, Mayank Garg, Ekansh Mittal: "Political Opinion Mining from Twitter", International Conference on Evidence Based Management 2015 (ICEBM 2015).
14. Vandana Agarwal and Surekha Bhanot, "Firefly Inspired Feature Selection for Face Recognition", 8th International Conference on Contemporary Computing (IC3-2015), Jaypee Institute of Information Technology (JIIT), Noida, India, 20-22 August 2015. [SCOPUS indexed , h5-index =10]

15. Jagat Sesh Challa, Poonam Goyal, Nikhil S., Sundar Balasubramaniam, Navneet Goyal, "A concurrent k-NN search algorithm for R-tree", In 8th ACM Compute '15, October 2015, Ghaziabad, India.
16. Deabshu Sinha, K Haribabu, Sundar Balasubramaniam, "Real-time Monitoring of Network Latency in Software Defined Networks" "IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS 2015)" Kolkata, India, December 15-18, 2015
17. Yashvardhan Sharma, Jigar Bhatt, Rachit Magon, "A Multi Criteria Review-Based Hotel Recommendation System", IEEE Proceedings of the **International Workshop on Social Media Mining and Analysis (SMMA-2015)** in conjunction with The 15th IEEE International Conference on Computer and Information Technology (CIT-2015), Liverpool, England, UK, 26-28 October 2015

1. A K Giri and Madhu Sehrawat, "Panel **data analysis of financial development, economic growth and rural-urban income inequality: Evidence from SAARC Countries**", paper presented at 2nd International conference on Economics and Finance, *Organized by Nepal Rastra Bank*, 26 - 28 February, 2015, Kathmandu, Nepal.
2. Madhu Sehrawat and A K Giri, " An empirical relationship between financial development indicators and human capital in some selected Asian countries", paper presented at 2nd International conference on Economics and Finance, *Organized by Nepal Rastra Bank*, 26 - 28 February, 2015, Kathmandu, Nepal.
3. Geetilaxmi Mohapatra and A K Giri, "The composition of public expenditure and economic growth in India: Evidence from Auto-Regressive Distributed Lag Approach", paper presented at 2nd International conference on Economics and Finance, *Organized by Nepal Rastra Bank*, 26 - 28 February, 2015, Kathmandu, Nepal.
4. Varun Chotia and N.V M Rao. (2015) "A GMM based approach to examine the relationship between expenditure in Social Infrastructure and Human Development ". *Annual Conference, Papers in Public Economics and Policy* organized by *National Institute of Public Finance and Policy (NIPFP)*, Mar 12-13, New Delhi.
5. Varun Chotia and N.V M Rao (2015) "Examining the Relationship between Labour Laws and Economic Development of India". *International Conference on Law and Economics* jointly organized by *Gujarat Law University, Indian Institute of Management Ahmedabad (IIM Ahmedabad)*, Mar 14-15, Ahmedabad.
6. Rajan Pandey and Arya Kumar, "Modelling persistence in conditional volatility of asset returns", 11th International Conference on Business and Finance, *The conference was organized by ICAFI, Hyderabad*, during January 8 – 9, 2015, Hyderabad.

(i) Conferences attended/papers presented outside India:

1. Jitendra Kumar and Navneet Gupta, "Investigation on Rudimentary Geometries of Dielectric Resonator Antenna" *36th Progress In Electromagnetics Research Symposium (PIERS-2015)*, Prague, Czech Republic, July 6-9, 2015.
2. Ashish K Sharma and Navneet Gupta, "Pattern Reconfigurable Antenna Using Non-uniform Serpentine Flexure Based RF-MEMS Switches" *36th Progress In Electromagnetics Research Symposium (PIERS-2015)*, Prague, Czech Republic, July 6-9, 2015.
3. Vineet Kumar, Abhijit Asati, Anu Gupta, "An Iris Localization Method for Noisy Infrared Iris Images" *IEEE International Conference on Signal and Image Processing Applications (ICSIPA)* Kuala Lumpur, Malaysia, 18-21 October, 2015.
4. Anish Dhiman, Rahul Singhal, "Design and Simulation of All-Polymeric Reconfigurable Optical Node" *15th International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD 2015)*, 7-11 September 2015, Taipei, Taiwan.
5. Abhsihek Joshi, Pranathi Pothireddy, and Rahul Singhal, "Probe-Feed Effect in Polygonal Patch Antennas", *2015 IEEE 4th Asia-Pacific Conference on Antennas and Propagation (APCAP 2015)*, Bali Island, Indonesia, June 30 - July 3, 2015.
6. Parikshit Singh, Surekha Bhanot, H K Mohanta, "Self-Tuned Fuzzy Logic Control of a pH Neutralization Process", *21st International Conference on Automation & Computing*, University of Strathclyde, Glasgow, UK, 11-12 September 2015
7. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Vibro-Acoustic Fault Analysis of Bearing using FFT, EMD, EEMD, and CEEDMAN and Their Implications", *International Conference on Machine Learning and Signal Processing (MALSIP 2015)*, SPRINGER LN Series, Melaka, Malaysia, Dec 2015.

(ii) Conferences attended/papers presented in India:

1. Prachi Sharma, Navneet Gupta, "Investigation of channel material quality effect on the top-gated nanocrystalline silicon thin film transistor (nc-Si TFT) performance using ATLAS SILVACO" *18th International Workshop on the Physics of Semiconductor Devices (IWPSD-2015)*, IISC Bangalore, December 7-10, 2015.

2. Prachi Sharma and Navneet Gupta, "Deposition of Nanocrystalline Silicon Thin Film by E-beam Evaporation for Display Applications" National Conf. on Adv. in Microelectronics, Instrumentation and Communication (MICOM-2015), BITS-Pilani, Rajasthan, Nov 20-21, 2015. (Best paper award)
3. Jitendra Kumar and Navneet Gupta, "An Eco-Design of Dielectric Resonator Antenna for Wideband Applications" National Conf. on Adv. in Microelectronics, Instrumentation and Communication (MICOM-2015), BITS-Pilani, Rajasthan, Nov 20-21, 2015.
4. Kavindra Kandpal and Navneet Gupta, "ZnO-Thin-Film Transistors: Advances, Challenges and Future Trends" National Conf. on Adv. in Microelectronics, Instrumentation and Communication (MICOM-2015), BITS-Pilani, Rajasthan, Nov 20-21, 2015.
5. Vaibhav Garg and Navneet Gupta, "Study on the Selection of Gate Dielectrics for ZnO based Thin-Film Transistors (TFTs)" National Conf. on Adv. in Microelectronics, Instrumentation and Communication (MICOM-2015), BITS-Pilani, Rajasthan, Nov 20-21, 2015.
6. Vineet Kumar, Abhijit Asati, and Anu Gupta, "Iris Localization Based on Integro-Differential Operator for Unconstrained Infrared Iris Images," International Conference on Signal Processing, Computing and Control (ISPCC), JUIT-Waknaghat, Himachal Pradesh, India, Sept. 24-26, 2015.
7. Shrikant Bhutada, Abhijit Asati and Anuj Dubey "Design of Ultra Low power Flip Flops in Sub-Threshold Region for Bio-medical Applications in 45nm, 32nm and 22nm Technologies" The 2015 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2015), Coimbatore, India, 5-7, March, 2015.
8. V S Rakesh Krishna, Nitin Singla, Lovena Balani, Rahul Singhal, "Bidirectional 64-QAM OFDM-Over-Fiber Transmission on Single Carrier PON", IEEE INDICON 2015, 17-20 December 2015, Jamia Millia Islamia, New Delhi, India.
9. Abhishek Joshi, Rahul Singhal, "Gain Improvement in Polygonal Patch Antennas", IEEE INDICON 2015, 17-20 December 2015, Jamia Millia Islamia, New Delhi, India.
10. Abhishek Joshi, Rahul Singhal, "Edge Perturbation Effect in Polygonal Patch Antennas", 2015 International Conference on Signal Processing, Computing and Control (2015 ISPCC), 24 - 26 September 2015, JUIT, Waknaghat, Solan, Himachal Pradesh, India.
11. Karan Raj Singh, Anu Gupta, "A Hardware optimized Low power RNM Compensated three stage Operational amplifier with Embedded Capacitance Multiplier Compensation" 2nd IEEE International Conference on VLSI Systems, Architecture, Technologies and Applications (VLSI SATA 2016), Amrita School of Engineering, Bengaluru, India, 10 - 12 January 2016 (Accepted), Paper will be archived in the IEEE Xplore,.
12. Priya Gupta, Divya Samnani, Anu Gupta, Abhijit Asati, "Design and ASIC Implementation of Column Compression Wallace/Dadda Multiplier in Sub-Threshold Regime," Proceedings of the 9th INDIACom;INDIACom - 2015, 2nd International Conference on "Computing for Sustainable Global Development", New Delhi, India, 11– 13 March, 2015.
13. Priya Gupta, Ishan Munje, Nikhil Kaswan, Anu Gupta and Abhijit Asati, "Effectiveness of body bias & hybrid logic: An energy efficient approach to design adders in sub-threshold regime" International Journal of Circuits and Architecture, Design -Inderscience Publishers, 2015), (accepted with minor revision)
14. Deepansh Dubey, Anu Gupta: A Low Power Low Noise Bio-Amplifier with Tunable Gain, IEEE International Conference on Electrical, Computer and Communication Technologies (EESCO 2015), VIIT, Vishakhapatnam, 24th-25th January 2015.
15. D. Dubey, Anu Gupta, "A Low Power Low Noise Amplifier for Biomedical Applications", Electrical, Computer and Communication Technologies (ICECCT), 2015 IEEE International Conference on , 5-7 March 2015, SVS College of Engineering, Coimbatore, pp:1-6, DOI:10.1109/ICECCT.2015.7226134 , Paper is archived in the IEEE Xplore, (IMPACT FACTOR-4.935)
16. D. Dubey, Anu Gupta, "Improvement of Operational Amplifier in Subthreshold Region using Forward Body Bias", IEEE India Conference (INDICON), Jamia Millia Islamia, New Delhi, India from 17-20 December 2015 (Accepted), Paper will be archived in the IEEE Xplore,.
17. Priya Gupta, Anu Gupta and Abhijit Asati, "Ultra Low Power MUX Based Compressors for Wallace and Dadda Multipliers in Sub-Threshold Regime" American Journal of Engineering and Applied Sciences, Nov. 2015, pp:702-716,DOI: 10.3844/ajeassp.2015.702.716
18. A.V. Praveen Kumar, "Higher Order Mode of a Microstripline fed Cylindrical Dielectric Resonator Antenna", 2nd International Conference on Communication Systems (ICCS15), Oct. 18-20, 2015, BKBIET, Pilani, Rajasthan (oral presentation)
19. A.V. Praveen Kumar, "Parasitic Metal Loading to Purify the Higher-Order mode of a Cylindrical Dielectric Resonator Antenna", National Conference on Advances in Microelectronics, Instrumentation and Communication (MICOM15) , Nov. 20-21, 2015, BITS Pilani, Rajasthan (oral presentation) (Best paper award)
20. A.V. Praveen Kumar, "Differentially fed Half-Cylindrical Dielectric Resonator Antenna for Dual-mode Applications", National Conference on Advances in Microelectronics, Instrumentation and Communication (MICOM15) , Nov. 20-21, 2015, BITS Pilani, Rajasthan (oral presentation)

21. Puneet Kr. Chaudhary, Pradyumn Chaturvedi and Girish Parmar, " Modeling of Bidirectional Inverter Energy Storage System from Non-Renewable Energy Using MATLAB/SIMULINK ", International Conference on 'Advances in Power Generation from Renewable Energy Sources' (APGRES 2015), Rajasthan Technical University, Kota, 15-16 June 2015.
22. Puneet Kr. Chaudhary, Pradyumn Chaturvedi and Girish Parmar, " Implementation of High Efficiency DCDC Boost Converter for PV Cell Applications ", International Conference on 'Advances in Power Generation from Renewable Energy Sources' (APGRES 2015), Rajasthan Technical University, Kota, 15-16 June 2015.
23. A Panday and H O Bansal, " Development of an intelligent power split control strategy in HEVs" National Conference on Advances in Microelectronics, Instrumentation and Communications (MICOM), BITS, Pilani-20-21 Nov 2015.
24. S Khandelwal, A Panday and H O Bansal, "Battery Selection to Improve Performance of Plug-in Hybrid Electric Vehicles", International Conference on Advanced Research Applications in Engineering and Technology, June 29-30 2015, RCET, Bhilai.
25. A Panday and H O Bansal, " Optimal Fuel Control Of Series-Parallel Input Split Hybrid Electric Vehicle using Genetic Algorithm Based Control Strategy", IEEE International Conference on Energy Economics and Environment, 27-28 March 2015, Greater Noida, India.
26. P Pani, Abhishek, R. Athreya, A. Panday, H. P. Agrawal and H O Bansal, "Integration of the Vehicle-to-Grid Technology", IEEE International Conference on Energy Economics and Environment, 27-28 March 2015, Greater Noida, India.
27. Ishan Tyagi, Vinita Tiwari, V.K. Chaubey "Performance Analysis of Different Pulse Shapes for Optical Transmission", IEEE International Conference on Control, Communication and Computing (ICCC), 19-21 November, 2015, Thiruvananthapuram, Kerala, India.
28. V S Rakesh Krishna, Vinita Tiwari, V.K. Chaubey "Investigation of Optimum Fiber types For High speed RZ-DQPSK transmission systems", Workshop on Recent Advances in Photonics (WRAP-2015), 16-17 December, 2015, IISc Bangalore, India.
29. Garvit Goyal, Dheerendra Singh "MPPT using Fuzzy Logic Control under Partial **Shading Conditions** for Photovoltaic Systems" National Seminar on best practices for power Generation, Transmission, and Distribution, Jindal Institute of Power & Technology, Tamnar, 6-7 Jan. 2016
30. Mehak, B Sai Teja, Dheerendra Singh "Feasible study of **efficient hybrid renewable energy systems** for rural areas of Rajasthan", National Seminar on best practices for power Generation, Transmission, and Distribution, Jindal Institute of Power & Technology, Tamnar, 6-7 Jan. 2016
31. **Shivam Kandelwal, Parakh Sarda**, Dheerendra Singh "Design Of A Wireless Battery Charging System Using Ambient Radio Frequency Energy Harvesting", National Seminar on best practices for power Generation, Transmission, and Distribution, Jindal Institute of Power & Technology, Tamnar, 6-7 Jan. 2016.
32. Shivam Kandelwal, Parakh Sarda, Dheerendra Singh, "Constant Current Controlled Feedback Based Lithium - Ion Battery Charger" National Seminar on best practices for power Generation, Transmission, and Distribution, Jindal Institute of Power & Technology, Tamnar, 6-7 Jan. 2016.
33. S. Mohanty, K. K. Gupta, Kota Solomon Raju, V. Mishra, Vipin Kumar, P. Bhanu Prasad "Vibration Characteristic of Variable Density Ore using SFE Technique", National Conference on Advances in Microelectronics, Instrumentation and Communication (MICOM 2015), BITS, Pilani, Nov 2015.
34. J. C. Joshi and K. K. Gupta, "A Literature Review on Face Recognition Techniques," National Conference on Advances in Microelectronics, Instrumentation and Communication (MICOM 2015), BITS, Pilani, Nov 2015.
35. Ankita Singh and K. K. Gupta, "A Contrast Enhancement Techniques for Low Light Images", AIP Conference Proceeding, 2nd International Conference on Communication Systems (ICCS 2015), BKBIT, Pilani, Oct 2015
36. T. G. Thomas and K. K. Gupta, "NB-PLC Channel Modelling with Cyclostationary Noise Addition & OFDM Implementation for Smart Grid," AIP Conference Proceeding, 2nd International Conference on Communication Systems (ICCS 2015), BKBIT, Pilani, Oct 2015.
37. Antapurkar Shwetal Kirtikumar, Avinash Pandey and K. K. Gupta, " GFDM Performance in terms of BER, PAPR and OOB and comparison to OFDM system," AIP Conference Proceeding, 2nd International Conference on Communication Systems (ICCS 2015), BKBIT, Pilani, Oct 2015.
38. S. Mohanty, K. K. Gupta, Kota Solomon Raju, " Vibration Feature Extraction and Analysis of Industrial Ball Mill using MEMS Accelerometer Sensor and Synchronized Data Analysis," 2nd International Symposium on Computer Vision and the Internet (Visionnet-2015), Kochi 2015.
39. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Multi-Channel Vibro-acoustic Fault Analysis of Ball Bearing using Wavelet based multi-scale PCA," Proceedings of 21th National Conference on Communications (NCC 2015), IIT, Mumbai, 2015.
40. **S. Mohanty**, K. K. Gupta, and Kota Solomon Raju, "Multi-Channel Vibration Feature Extraction of Ball Mill Using Synchronized Wavelet Based Multi-Scale Principal Component Analysis," 9th International

Conference on Circuits, Systems, Signal and Telecommunications (CSST '15), United Arab Emirates, Dubai, 2015

41. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Effective Sample Length Selection to Avoid Dead Zone Effect in Ball Mill Vibration Signal Analysis and Applications," 2nd IEEE International Conference on Signal Processing and Integrated Networks (SPIN-2015), AMITY University, Noida 2015.
42. Jyotirmoy Bhardwaj, Rajiv Gupta, K. K. Gupta, "A Review of Emerging Trends on Water Quality Measurement Sensors," IEE2015.E International Conference on Technologies for **Sustainable** Development (ICTSD -2015), DBIT, Mumbai.
43. H.D. Mathur, H. Siguerdidjane and Y.K. Bhatshvar, "Power Frequency Balance in Multi-Generation Smart Grid System with V2G option" In the proceedings of 12th IEEE India International Conference (INDICON) 2015, 17-20 December, Delhi, India.
44. Y.K. Bhatshvar and H.D. Mathur, " Four Step Based ACO Optimized Fuzzy Logic Controller for Interarea Oscillation Control in an Interconnected Power System", In the Proceedings of National Conference on Advances in Microelectronics, Instrumentation and Communication, 20-21 November, Pilani, India, 2015.
45. Arvind Biswal and H.D. Mathur, "Optimal Stationing of PMUs for Wide Area Monitoring In Smart Grid Scenario" In the proceedings of International Conference on Advanced Research Applications in Engineering and Technology, 29-30 June, Bhilai, India, 2015 .
46. Arvind Biswal and H.D. Mathur, "Identification of Optimal Locations of PMUs for WAMPAC in Smart Grid Environment", In the proceedings of IEEE International Conference on Technological Advancements in Power and Energy, 24-26 June, Kollam, India, 2015
47. G.M. Sundaram, M. Angira, Navneet Gupta and K. Rangra, " A MEMS Disk Resonator-based Band pass Filter Electrical Equivalent Circuit Simulation," *International Conference on Emerging Technologies: Micro to Nano-2015 (ETMN 2015)*, Jaipur, India 24-25 October 2015.
48. Lucky Sharan, Rupanshi, V K Chaubey , "Simulink Models for Performance Analysis of High Speed DQPSK Modulated Optical Link", 2nd International Conference on Communication Systems (ICCS15), Proceedings of American Institute of Physics (AIP), Oct. 18-20, 2015, BKBIET, Pilani, Rajasthan (oral presentation)

1. Chauhan Gajendra Singh Conference on : Advertising and New Social Identities: Discourse of Marketing and Relationship USMD2015 'Discourse and Identity in Asia' held in University of Malaya, Kuala Lumpur, Malaysia 14-16, November 2015.
2. Chauhan Gajendra Singh National Conference on Consumer Behaviour in Hospitality and Tourism Industry on August 7-8, 2015. Co-presented a research paper with Arun Poonia entitled "The significance and Role of Tourism Advertising in Destination Image: Time for a Proper Research."
3. Chauhan Gajendra Singh II Asia Pacific International Conference On Changing Business Practices in current environment organized by Sydenham Institute of Management Studies, Research and Entrepreneurship Education, University Of Mumbai on January 8-9, 2015. Presented a research paper entitled "Modi's Election Campaign: How to Use Media and Market Politics!"
4. Yadav, Anupam Presented a paper titled "The Quest for Selfhood and Moral Identity "in the International Conference/Symposium on Self-Knowledge and Moral Identity organised by the department of HSS, IIT, Bombay and ICPR New Delhi, held at IIT, Bombay, Mumbai from 13-15 January, 2015.
5. Yadav, Anupam Presented a paper titled "Alternative Epistemologies and Normative Di-rectinality" in the 10th International Conference on Philosophy at Athens Institute for Education and Research held at Athens, Greece from 25-28 May, 2015.
6. Devika. "Usefulness and Employability of Shakespeare's Radio and Audio Plays." 7th International Conference on *Language in Shakespeare: Rhetorical, Aesthetic, Communicative* organized by Maharshi Dayanand University, Rohtak in collaboration with The Shakespeare Association on 8-10 October 2015.
7. Yadav Dinesh, 'Forts as space, form, event and action in site-specific performance making' in the Theatre Architecture Working Group of International Conference of IFTR on Theatre and Democracy, organized by Theatre Department of S N School of Hyderabad University, Hyderabad from 6 – 10 July 2015.
8. Yadav Dinesh, Abandoned People: Abandoned Places (1947 Indian Partition Stories in Site-specific performances). IACLALS Annual Conference, 2015 on SPACE, PLACE, TRAVEL, DISPLACEMENT, EXILE. 12-14 February 2015 Department of Humanities and Social Sciences, BITS Pilani (Goa Campus)
9. Nair Hari, "Democracy and the Gandhian Constructive Programme: The case of university education" at the National Seminar The future of India's democracy: Social, economic and political aspects organized by the Department of Political Science, University of Delhi on the 30th and 31st of January 2015.
10. Kumar Neeraj Sachdev, "Professional Ethics and Moral Dilemmas," in First National Conference on

- Human Values and Professional Ethics, organized by Department of Mentoring and Value Inculcation, Chandigarh University, SAS Nagar, India during December 11-12, 2015
11. Kumar Neeraj Sachdev, "An Analysis of Inner Perspective of Moral Identity," in ICPR, New Delhi sponsored Philosophy Teachers' Meet of North-Western Zone on The Crisis of Multiple Identities in the Contemporary World, organized by Department of Guru Nanak Studies, Guru Nanak Dev University, Amritsar, India during December 29-31, 2015
 12. Bhattacharya, Kumar sankar, "Anatomizing Selfhood: Postcolonial Identity Politics in India's North East." 24th Annual British Commonwealth and Postcolonial Studies Conference, Savannah, GA., USA. February 13-14, 2015.
 13. Cejková, E., Slezácková, A., Cefai, C., Potgieter, J., Singh, K., Choubisa, R., Jarden, A., Howard, F., & Dvoráková, S. (2015). Subjective Well-being and Life Values: Their Relations and Differences among Czech, Maltese, South African, Indian, and New Zealand University Students. Poster Presented in Conference Social Processes and Personality (www.spao.eu) Brno (Czech Republic) during 9-11th September 2015.
 14. Ankit Singh and Sangeeta Sharma "Journey of Flipkart: A success story of online shopping" in the International conference on e Business Prospects , Challenges and Implications on 27-28th March 2015 at Manipal University Jaipur.
 15. Sangeeta Sharma "Women empowerment through entrepreneurial ventures" in National seminar on Capacity Building among Women in India- Entrepreneurship and Estate sponsored by National Commission for Women and organized by National Law University, Jodhpur on October 2&3, 2015
 16. Nandigama, Sailaja., "Performance of success and Failure at the grassroots Conservation **and** Development Interventions: Gender dynamics in Participatory Forest Management in India" paper presented at the Pathways to Shared Prosperity for Forest Users and Forest-Reliant Economies- FLARE Conference, organized by the University of Michigan and PROFOR at the Musée de l'Homme, Paris, France, November 27-30, 2015.
 17. Nandigama, S., "Women and Equity in Higher Education: A Comparative Study of Practices in Indian and Dutch Academia" paper presented in the National Conference held by the National Commission for Women (National Seminar) on 'Capacity Building Among Women in India: Entrepreneurship and Estate' at National Law University, Jodhpur on 2-3 October, 2015.
 18. Nandigama, Sailaja., "How Green are We? Role of Stakeholders, their Lifestyles, Values **and** Practices in Informing Investment Behaviour in the Indian Context", paper presented in the UGC sponsored National Seminar on 'Investing in a Sustainable Future: Integrating Environmental, Social and Governance Factors' organized by the BM Ruia Women's **College of SNDT University**, Mumbai, 24th and 25th April, 2015.
 19. Bhattacharya, Somdatta. "Difficult Lives and Labour: Narratives of Female Domestic Labour in Kolkata" at the Locating Lives: IABA Asia-Pacific Conference, Flinders University, Adelaide, Australia, 1-3 December, 2015.
 20. Shekhawat, Sushila. *Shakespeare and Contemporary Indian Politics: An Analysis of Haider by Vishal Bhardwaj*. International Conference on "Shakespeare in Indian and European Languages: A Postmodern Review organized by Jai Narain Vyas University and Shakespeare Association, India during 16-18 November, 2015.
 21. Shukla, T. " Rejuvenating Standards in Higher Education" in International Conference on Evidence Based Management, BITS Pilani, March 20-21, 2015
 22. Shukla, T. "Customer Relationship Management & Banking Industry: An Exploration on Technological Intervention" in HR Conference on Talent Management and Transformation, BML Munjal University, 14th Dec, 2015
 23. Shukla, T. "Information Technology in relation to Human Resource **Management: An Impact Evaluation Study**" in International Conference on Organization and Management at InterContinental Hotel Abu Dhabi, November 22-23, 2015
 24. Chakraborty, Tathagata. *Homosexuality as an Exclusionary Trope in Postcolonial Urban Existence*. 24th Annual British Commonwealth and Postcolonial Studies Conference. Georgia Southern University, GA, USA. February, 2015.
 25. Priyanka Kumari and V. S. Nirban (2015). "Measuring Employees' Intercultural Sensitivity: Towards a Sustainable Business Approach" at the International Conference on Research and Business Sustainability, organized by Department of Management Studies, IIT Roorkee, India, and Sheffield Business School, Sheffield Hallam University, U.K., 4 - 6 December, 2015.
 26. V. S. Nirban and Anirudh Agarwal (2015). "Understanding Sentiment Polarity in User Generated Discourse on Social Media" at the International Conference of Communication and Social Media 2.0, organized by School of Communication, Amity University, Jaipur during 20- 22 November 2015.
 27. V. S. Nirban (2015). "Dynamics of Interpersonal Relationships Among Student Community on Social Media" at the IJAS International Conference of Academic Disciplines organized by IJAS at University College of London, UK during 3- 6 November 2015.

28. V. S. Nirban and Priyanka Kumari (2015). "Discourse Analysis of an Online Academic Discussion" at the 4th International Conference on Communication, Media, Technology and Design organized by Eastern Mediterranean University, Cyprus, in Dubai, 16 - 18 May, 2015.
29. Raina, Sunita. 2015. Paper titled "Capitalizing Knowledge: Transforming NARS in a Neoliberalizing India" presented at the annual meeting of the Society for Social Studies of Science (4S) at Denver, USA, on November 11-14, 2015.
1. Agarwal, Shivi, Fuzzy BCC Data Envelopment Analysis: A Credibility Approach", Workshop on Applied Optimization Models and Computation, held at Indian Statistical Institute, Delhi Centre, during January 28-30, 2015.
 2. **Agarwal, Shivi, Scale Efficiency with Fuzzy Data**", Proceedings of the International Conference on Evidence Based Management (ICEBM 2015), held at BITS Pilani, Pilani Campus, during 20-21 March 2015,
 3. Agarwal, Shivi, Evaluation of Efficiency and Effectiveness of Public Transport Sector of India using DEA Approach", 13th International Conference on Data Envelopment Analysis, held at Technical University Braunschweig, Germany, during August 24-28, 2015.
 4. Agarwal, Shivi Malmquist Productivity Index with Fuzzy Data by Possibility Theory ", 20th Asian Technology Conference in Mathematics (ATCM 2015), held at Leshan Normal University, Leshan, China, during December 16-20, 2015.
 5. Dubey, B. , Role of mathematical modelling on the management of an wetland park, Presented in an International Conference on Mathematical and Computational Biology held at I.I.T. Kanpur during February 28 – March 03, 2015.
 6. Gupta, C. B., 1st International Conference of Indian Society of Information Theory and Applications (ISITA) on Mathematical Modeling, Optimization and Information Technology at Sri Sai College of Engineering & Technology, Pathankot (Punjab) and delivered a talk on Role of Sterilization on Family Planning program. Also member of Scientific Advisory Committee during 16-19 January 2015
 7. Gupta, C. B., International Conference on Optimization, Computing and Business analysis for Sustainable Development (ICOCBASD, 2015) at Central university of Rajasthan, Kishangarh (Ajmer) and delivered a talk on 22 January 2015 on Impact of Sterilization on Family Planning program during 20-22 February 2015
 8. Gupta, C. B., Delivered an invited talk on 30 January 2015, on simulation and its Application at Govt. Polytechnic, Bikaner on the Occasion of Short Term course on Operation Research and Mathematical Sciences organized by Department of Applied Sciences, NITTTR, Chandigarh during 27-31 January, 2015.
 9. Gupta, C. B., National Conference on Recent Trends and developments in statistics NCRTDS, at Department of Statistics, M D University, Rokat and delivered a talk on Sterilization and Family Planning program: a Case Study on 23 January 2015.
 10. Gupta, C. B., Guest of honour in the national seminar on Rural Market in india: an Unexplored Terrain organized by Department of Management Studies, Mahatma Gandhi University, Nalgonda, Telangana on 13 March 2015.
 11. Kumar, Devendra, International conference on current trends in PDEs: Theory and Computations organized by department of Mathematics, South Asian University, New Delhi, during December 28--30, 2015.
 12. Kumar, Jitender, Rank properties of the semigroup of endomorphisms over Brandt semigroup, Presented in International Conference on Semigroups Algebras and Applications: ICSAA-2015, Cochin, during 17-19 September 2015.
 13. Mathur, Trilok attended and chaired a session, National Conference on Advances in Mathematical Sciences and Applications in Engineering & Technology (AMS-AET) 2015 held at Poornima University, Jaipur during July 25-26, 2015
 14. **Mathur, Trilok, On subordination of harmonic univalent functions associated with Wright's generalized hypergeometric functions**, Presented in 20th Asian Technology Conference in Mathematics (ATCM 2015) at Leshan National University, Leshan, CHINA during December 16-20, 2015.
 15. Chaudhary, Nidhi, Kumar, Rajiv, Murali, Padma, Modeling the Dynamics of Amyloid Formation of Islet Beta, Symposium on Modeling and Computational Fluid Dynamics, BITS Pilani-Pilani Campus. on 4th April , 2015,
 16. Chaudhary, Nidhi, Kumar, Rajiv, Murali, Padma, Global stability of a model of formation of amyloidosis in the presence of a therapeutic agent, International conference on Recent Advances in Mathematical Biology & Applications, Aligarh Muslim University during June 4-6, 2015
 17. Shekhar, C., Jain, M., Mishra, R.P., Raina, A.A., Particle swarm optimization and sensitivity analysis of repairable redundant system, presented in 7th International conference on Quality, Reliability, Infocom Technology and Business Operations (ICQRITBO 2015) organized by Department of Operational Research, University of Delhi during 28-30 December 2015.
 18. Shekhar, C. Jain, M., Raina, A.A., Transient analysis of Markovian (m, M) machining system with

threshold policies and geometric reneing presented in 17th International Conference of International Academy of Physical Sciences (CONIAPS XVII) on Emerging Trends in Physical Sciences & Technology organized by University of Rajasthan, Jaipur during 16-18 January 2015.

19. Tiwari, A. and Yadav, P.K., Stokes' flow through assemblage of non-homogeneous porous cylindrical particles using cell model technique", Presented in 18th Conference of International Academy of Physical Sciences (CONIAPS-XVIII) held at University of Allahabad, Allahabad, during 22-24 December 2015..

20. Yadav, Sangita, International Congress on Industrial and Applied Mathematics (ICIAM 2015), China, during Aug. 10-14, 2015.

21. Yadav, Sangita and Pani, Amiya K., Superconvergence of a class of expanded discontinuous galerkin methods for fully nonlinear elliptic problems in divergence form, Presented in Conference on Computationa PDEs 2015, during Dec 21-23, 215.

22. Yadav, Sangita and Pani, Amiya K, Superconvergence of semidiscrete discontinuous galerkin methods for parabolic equations, Invited Speaker in International Conference on Current trends in PDEs: Theory and Computations held at South Asian University, New Delhi, during Dec. 28-30, 2015.

23. Sumanta Pasari, Stochastic Modelling of Earthquakes and Forecasting in Northwest Himalaya, Presented in National Conference on Emerging Trends and Mathematical Sciences (NCETMMS-2015) organized by the Calcutta Mathematical Society held at Salt Lake, Kolkata, during December 17-19, 2015

Title of the Publication	Authors	Name of Conference	Venue and Date of Conference
Network design and optimization for multi-product, multi-time, multi-echelon closed-loop supply chain under uncertainty	Anil Jindal and K S Sangwan	Procedia - CIRP, Swedan	Sweden
Development of self assessment model for enterprise sustainability	Vkrant, Bhakar, Nitesh, Sihag, V., Mamidi, S., Dinda, A. K. Digalwar, and K.S. Sangwan,	Proceedings of National Conference on Sustainable Manufacturing (NCSM-2015)	2-3 January 2015, MNIT Jaipur
Barriers to VMI -FAHP based analysis of VMI stakeholders	Atul, Borade, A.K. Digalwar, J. Suanova, and Sunil Dambhare,	8th ISDSI Conference	Hyatt Regency, Pune, 2-4 January 2015
An Application of TOPSIS for Selection of Machining Parameters From Environmental Impact	Sunil, Dambhare Atul Borade and A.K. Digalwar,	8th ISDSI Conference	Hyatt Regency, Pune, 2-4 January 2015

Perspective			
Strategic Framework for sustainable development of heavy engineering sector in India	A. K., Digalwar, Nidhi, Mundra, Atula Borade and B.A Metri	8th ISDSI Conference	Hyatt Regency, Pune, 2-4 January 2015
An application of the reliability centered maintenance: case study of conventional lathe machine	G. Gupta and R.P. Mishra,	8th ISDSI International Conference	Hyatt Regency, Pune Jan 02-04,2015
An application of reliability centered maintenance using fuzzy logic on conventional lathe machine	G. Gupta, R P Mishra,	International Conference on Evidence Based Management 2015 (ICEBM2015)	BITS Pilani, March 20-21, 2015
Reliability Analysis and Identification of Critical Components using Markov	G. Gupta, R. P. Mishra, P. Jain,	2015 IEEM IEEE	Suntec, Singapore, Dec. 06-08, 2015
An application of reliability centered maintenance using RPN mean and range on conventional lathe machine	G.Gupta, R.P. Mishra, P.Singhvi	7th ICQRIT 2015	University of Delhi, Delhi, Dec 28-30, 2015
Study of effect of feed on cutting force coefficients in turning	H Manikandan, TC Bera, SK Patil	International conference on Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology	New Delhi, India
Understanding Consumers' Perceptions of Sustainable Products in India	Prabir Sarkar, Srinivas Kota and Bijendra Kumar	International Conference on Research into Design 2015	NSSC, IISc, Bangalore. 7-9 January 2015
Various aspects of green issues in Indian steel supply chain: An overview	Sishir Goyal and Srikanta Routroy	First International Conference on Evidence Based Management	BITS Pilani, Pilani Campus

Modeling Inter dependencies of Supplier Development Enablers	Srikanta Routroy and Sunil Kumar C V	3rd International Conference on Industrial Engineering (ICIE-2015) & 57th National Convention of Indian Institution of Industrial Engineering	Sardar Vallabhbhai National Institute of Technology, Surat
Sustainable Supply Chain in Product Development	Srinivas Kota and Kirthi Bandi	International Conference on Research into Design 2015	NSSC, IISc, Bangalore. 7-9 January 2015
Demystifying Supplier Satisfaction through Kano Model	Sunil Kumar C V and Srikanta Routroy	First International Conference on Evidence Based Management	BITS Pilani, Pilani Campus
Co-Firing of Coal with Pine Needles in a 20kW Oxy-Fired Bubbling Fluidized Bed: Experimental Investigation	Ravi Inder Singh and Rajesh Kumar	ICAER-2015	Dec. 14-17, 2015, IIT Mumbai, Mumbai, India
CFD Analysis of a Fluidized Bed Combustor Based on Co-Firing	Hemant Kumar, SK Mohapatra and Ravi Inder Singh	IMECE2015, ASME	Nov. 2015 Texas, Houston, USA
Experimental Analysis of Splash Zone of Fluidized bed Combustor Using Rice Husk and Coal Under Variable Oxygen Conditions	Ravi Inder Singh and Rajesh Kumar	22nd Fluidized bed combustion	June 2015, Turku, Finland

Heat Transfer Analysis of Splash Zone of Short Fluidized bed Combustor using coal and biomass under variable oxygen conditions	Ravi Inder Singh	CHT-15 ICHMT International Symposium on Advances in Computational Heat Transfer	May 25-29, 2015, Rutgers University, Piscataway, USA
Identifying and ranking green product development factors: An Analytical Hierarchy Process approach	A.K.Digalwar and A. R. Tagalpalewar	3rd International Conference on Industrial Engineering (ICIE-2015) & 57th National Convention of Indian Institution of Industrial Engineering	Sardar Vallabhbhai National Institute of Technology, Surat
Simulation of vehicle assembly line using ARENA	Akshay Sarda, A.B. Rane, A. K Digalwar, and V.K. Sunnapwar	3rd International Conference on Industrial Engineering (ICIE-2015) & 57th National Convention of Indian Institution of Industrial Engineering	Sardar Vallabhbhai National Institute of Technology, Surat
Geometrical approach to On line Trajectory generation, Obstacle avoidance and Footstep planning for a Humanoid Robot	K Nawade, V Aditya, A Shrivastava, BK Rout	15th IEEE-RAS International Conference on Humanoid Robots,	Seoul, South Korea 2015,
Performance Analysis of Earth Water Heat Exchanger for Concentrating PhotoVoltaic Cooling	Sanjeev Jakhar, M. S. Soni, and Nikhil Gakkhar	Vth International Conference on Advances in Energy Research, ICAER 2015	IIT Bombay, Mumbai, India, 15-17 December, 2015
Analysis of Water Cooling of CPV Cells Mounted on Absorber Tube of a Parabolic Trough Collector	Nikhil Gakkhar, M. S. Soni, and Sanjeev Jakhar	Vth International Conference on Advances in Energy Research, ICAER 2015	IIT Bombay, Mumbai, India, 15-17 December, 2015
Thermal Analysis and Simulation of Combined Heat and Power from CPV cells Mounted on PTC Receiver	M.S. Soni and Nisha Tamar	Global Energy Technology Summit 2015 Clean n Green Energy: The New Normal (GETS 2015), organized by NTPC Ltd.	The Grand Hotel, Nelson Mandela Marg, Vasant Kunj, New Delhi, November 7-9, 2015

1. Agarwal, A. and Arun Kumar Agariya (2015). Internal Marketing: Does it really matter in Indian telecom sector. International conference on Telecommunication technology and management, IIT-Delhi.
2. Aggarwal, R. "A Chance Constraint based Approach for Dynamic Vendor Selection Problem with Distinctive Price Breaks under time varying Stochastic data" at EURO conference on Operations Research , Glasgow , UK July 12th- 15th2015.
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3. Aggarwal, R. and Sahoo, A. "Improving the efficiency of learning applications using User Experience Metrics" at FORE International Operations Conference (FIOC 2015) November 26th-27th , 2015 , Delhi .
4. Aggarwal, R. and Singh. S. " A Hybrid Approach for Supplier Selection based on Revised Data Envelopment Analytic Hierarchy Process"as invited talk at EURO conference on Operations Research , Glasgow , UK , July 12th- 15th2015.
5. Arun Kumar Agariya & Jyoti Tikoria (2015), "Development of Customer Relationship Management Framework for Indian Airline Industry", 4th Asian Management Research and Case Conference, Universiti Sains Malaysia (10-11 January, 2015).

6. Bhattacharya, P., Satija, S., & Gupta, R. K. (2015). 'Envisioning India towards Next Decade through a Positive Lense'. Presented in 3rd *PAN-IIM* World Management Conference, IIM Indore, December 16-18, 2015.
 7. Bhattacharya, P., Satija, S., & Gupta, R. K. (2015). 'Positive Organizational Practices and Processes in Indian Engineering and Technology Institute'. Presented in 4th Biennial Indian Academy of Management Conference, IIM Lucknow Noida Campus, Dec. 11-13, 2015.
 8. **Chanda, Udayan** (2015), ""Intergenerational Effects of Diffusion on CDMA and WCDMA Technologies under Direct Network Externalities", 4th Asian Management Research and Case Conference (AMRC) 2015, Universiti Sains Malaysia, Pulau Pinang, Malaysia
 9. Chanda, Udayan and Kumar, Alok (2015), "Innovation Diffusion Based Inventory Model under Dynamic Advertising and Pricing Policy" Proceedings of International Conference on Evidence Based Management, vol. 2 661-665.
 10. Chanda, Udayan and Kumar, Alok (2015). "Stage wise Innovation Diffusion with a Dynamic Market". FORE International Operations Conference 2015 (FIOC-2015), FORE, New Delhi.
 11. Dubey, S., & Satija, S. (2015). 'Psychological Capital in relation with Organizational Virtuosity and Performance: Paradigm for the Next Decade'. Presented in 3rd *PAN-IIM* World Management Conference, IIM Indore, December 16-18, 2015.
 12. Goyal, P. (2015), "Influence of perceived CSR on Service Quality, Trust and Customer Loyalty: Insights from Indian Hotel Industry" presented at International **Conference 4th Asian Management** Research and Case (AMRC) Conference 2015, January 10-11, 2015, Graduate School of Business, Universiti Sains Malaysia
 13. Kumar, Alok and Chanda, Udayan (2015), "Inventory Model for Permissible Delay in Payments of New Products under Dynamic Pricing and Advertising Expenditure" Proceedings of International Conference on Evidence Based Management, vol. 2 493-496.
 14. Kumar, Alok and Chanda, Udayan (2015). "Inventory Model For Repeat Purchase Under Innovation **Diffusion** Criterion". FORE International Operations Conference 2015 (FIOC-2015) held during November 26-27, 2015 at FORE, New Delhi.
 15. Neha Gupta, Divya Mehta & Jyoti Tikoria (2015), Impact of Information Technology on Human Resource Management: An Exploratory Research on select Indian Banks, Published in conference proceedings of International Conference on Evidence Based Management (ICEBM 2015), organized on 20-21st March 2015 at BITS Pilani.
 16. Rani, L. and Sharma, M., "A Study of Awareness Level of Environmental **Sustainable Consumption** Issues Among Children", presented at Global Cleaner Production and Sustainable Consumption Conference 2015, 1st to 4th Nov. 2015, organized by Journal of Cleaner Production and Elsevier at Sitges, Spain.
 17. S. Kamboj, Z. Rahman and M. Yadav, Goyal, P. (2015), "A Capability Based View on Social Media Technologies and Firm Performance Relationship: An Empirical Examination of the Mediating Role", Presented at International Conference on Evidence Based Management, Organized by Department of Management, BITS Pilani
 18. Satyendra Sharma, Risk modelling of Infrastructure projects: A simulation model", Intl conference on Speed, Scale, and Sustain organized by SVNIT and IIE (26-28 Nov. 2015)
 19. Sharma, M. and Rani, L., "A Study of awareness level of Environmental Sustainable Consumption Issues among Children", presented at International Conference on Evidence Based Management, March 22nd-23rd, 2015 organized by Department of Management, Birla Institute of management and Science Pilani at Pilani Campus.
 20. Sharma, M. and Rani, L., "Identification of Social Learning Tools for Teaching Sustainable Consumption Behavior", presented at International Conference on Social Entrepreneurship and Sustainable Development by Centre for Social Entrepreneurship, February 2015, organized by School of Management and Labour Studies, Tata Institute of Social Sciences.
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 21. Tiwari, P.; Bhat, A. K. & Tikoria, J., "Social entrepreneurship: Rise of New hybrid sector", published in conference proceedings of Eleventh Biennial Conference on Entrepreneurship, organized by Entrepreneurship Development Institute of India, Ahmedabad on 18- 20 February 2015.
1. Dr. Anubha has participated in Case Teaching Seminar organized by IIMA & Harvard Business School Press at Dr. Reddy's Leadership Academy, Hyderabad.
 2. Dr. Satyendra Sharma has participated in eight days training program on lean six sigma organized by MSME, Govt. of India. During June-July, 2015.

Authors	Title	Name of Conference	Place	Date
Balwani G., Makhija P., Joseph E., Saha R N	Design and Optimization of Solid Lipid Nanoparticles for Oral Delivery of Ganciclovir	14th International Symposium of the Controlled Release Society-Indian Chapter (CRS-IC)	Mumbai	February 23-24, 2015
Emil Joseph., Vibhu Nagpal., Garima Balwani., Satish Reddi., and R N Saha	Preformulation solubility and distribution coefficient studies of Olanzapine in various buffers using inhouse developed UV-spectrophotometric method	Pharmceutica	Crowne Plaza, Dubai, UAE.	March 16-18, 2015
Garima Balwani, Emil Joseph, Pooja Makhija, Ranendra Narayan Saha	Ganciclovir-loaded solid lipid nanoparticles prepared with TPGS as stabilizer: Formulation, characterization and in vitro drug release	Pharmceutica	Crowne Plaza, Dubai, UAE.	March 16-18, 2015
Emil Joseph., Garima Balwani., Vibhu Nagpal., Satish Reddi., and R N Saha	QbD based design and development of surface modified polymeric nanoparticulate systems of antipsychotic drug for brain targeting	Pharmceutica	Crowne Plaza, Dubai, UAE.	March 16-18, 2015
Kurhe Y, Mahesh R, Thangaraj D	Serotonergic type 3 receptor antagonist (4-phenylpiperazin-1-yl) (quinoxalin-2-yl) methanone (4a) attenuates depression co-morbid with obesity by	IBRO/APRC Varanasi School (Molecular Advancements in Neurobiology)	Varanasi, India	September 5-20, 2015

	promoting serotonergic neuromodulation and reversing insulin resistance in experimental mice			
Gupta D, Mahesh R	4i (N-(3-Chloro-2-methylphenyl) quinoxalin-2-carboxamide), a novel 5HT3 antagonist, reverses diabetes-induced depressive phenotype	25th ISN-APSN Joint Biennial Meeting organized by Australasian Society for Neuroscience (ANS),	Cairns, Australia	August 23-27, 2015
Mundra S, Mahesh R,	Evaluation of novel class of falcipain-2 inhibitors as potential anti-malarial agents	New Frontiers In Chemistry –From Fundamentals To Applications	Goa, India	December 18-19, 2015
Bhatt S, Mahesh R, Devadoss T, Jindal A	Pharmacological profiling of quinoxalin derivative (6g), a novel serotonergic 5-HT3 receptor antagonist for its antidepressant- and anxiolytic-like activity in traumatic brain injury model in rats	IPC Conference	Mysore, India	December 19-21, 2015
R.P.Pareek	Conference attended	70th Annual Conference of Association of Physicians of India	Gurgaon, India	February 19-22, 2015
R.P.Pareek	Conference attended	The 51st EASD Annual Meeting organized by the European Association for the study of Diabetes (EASD).	Stockholm, Sweden	September 14-18, 2015
R.P.Pareek	Chairperson - Hepatitis	26th Annual Conference API, Rajasthan Chapter MDCS 2015	Salasar (Sikar), India	October 10-11, 2015

Priti Jain, Shilpa Rohilla and Hemant R. Jadhav	Allylidene hydrazinecarboximidamide derivatives as BACE-1 inhibitors	NDCS 2015: International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia- Industry Collaboration	BITS Pilani, Pilani Campus	October 16-18, 2015
Pankaj Wadhwa and Hemant R. Jadhav	Design and Docking of N-(2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)-N-(4-hydroxyphenyl) benzamide Derivatives as Flap Endonuclease-1 Inhibitors	NDCS 2015: International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia- Industry Collaboration	BITS Pilani, Pilani Campus	October 16-18, 2015
Priti Jain and Hemant R. Jadhav	Design, Synthesis and Evaluation of 2-thio-pyrimidine Derivatives as BACE-1 inhibitors	APTICON-2015: 20th Annual Convention of Association of Pharmaceutical Teachers of India	Indore	October 9-11, 2015
Pankaj K Wadhwa, Hemant R Jadhav	Design and Docking of 6-Methyl-3-Phenoxy-N-Phenylquinoline-4-Carboxamide Derivatives as Flap Endonuclease-1 Inhibitors.	APTICON-2015: 20th Annual Convention of Association of Pharmaceutical Teachers of India	Indore	October 9-11, 2015
Vadiraj Kurdekar and Hemant R Jadhav	Novel Pharmacophore for design of PAD4 inhibitors.	APTICON-2015: 20th Annual Convention of Association of Pharmaceutical Teachers of India	Indore	October 9-11, 2015

Subhash Chander, Penta Ashok and Sankaranarayanan Murugesan	Design, synthesis, in-vitro evaluation and docking studies of novel 6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline derivatives as HIV-1 reverse transcriptase inhibitors	Recent Developments in Medical Biotechnology and Structure Based Drug Design	Department of Biotechnology, IIT Guwahati	December 06 - 07, 2015
Ashok Penta and Sankaranarayanan Murugesan	Design, synthesis and in-vitro evaluation of novel 1-(4-chlorophenyl)-2-(3,4-dihydroquinolin-1(2H)-yl)ethyl phenylcarbamate derivatives as inhibitor of HIV-1 RT	International conference on Nascent Developments in Chemical Sciences	Department of Chemistry, BITS Pilani, Pilani Campus	October 16 - 18, 2015
Sankaranarayanan Murugesan	-	Biotech Policy of Rajasthan 2015	Department of Science and Technology, Government of Rajasthan, Jaipur	September 10, 2015
Sharma S, Taliyan R	Pharmacovigilance In India: Perspectives and Prospects'	National Symposium	Sir Madanlal Institute of Pharmacy- Etawah, U.P	March 14, 2015
Ramagiri S, Taliyan R	Mitochondrial KATP-Channel Role in Neuroprotective Effect of Remote limb Ischemic Pre conditioning against Cerebral Ischemia -reperfusion Injury	International Conf. 'Molecular Pharmacol, Drug Discovery & Nanopharmaceuticals	Chitkara University, Patiala, Punjab	March 27-28, 2015
Taliyan R, Sharma, S, Singh S	Sodium butyrate, a Histone deacetylase inhibitor, attenuates 6-hydroxydopamine induced hemi-Parkinsonism in rats	International Conf. International society for neurochemistry with Australasian Society for Neuroscience (ANS).	Australia	August 23-25, 2015
Ramagiri S, Taliyan R	Neuroprotective effect of HDAC inhibitor against cerebral ischemic reperfusion injury	3rd Middle East and North Africa Stroke Conference	Dubai, UAE	October 22-23, 2015

Sharma, S, Taliyan R	Histone deacetylase inhibitor improves learning and memory consolidation in high fat diet induced cognitive deficit in mice	IBRO-APRC/ISN-APSN Joint Advanced School, Korea Brain Research Institute, Daegu,	South Korea	September 14-20, 2015
Taliyan R, Sharma S	Modulation of epigenetic pathways by targeting histone deacetylases improve memory consolidation in insulin resistance induced cognitive deficit in mice	International conf. "Cutting-Edge Pharmacology: Contemporary Issues and Future Challenges"& 48th Annual Conf. of Indian Pharmacological Society (IPSCON-2015)	Saurashtra University, Gujarat	December 18-20, 2015
Atish T. Paul, S N C Sridhar, Manasi Agrawal, Seshank Mutya	Conophylline as a Potential Pancreatic Lipase Inhibitor: An In vitro and In silico Investigation	International Conference on Nascent Developments in Chemical Sciences: Opportunities For Academia-Industry Collaboration	BITS Pilani	October 16-18, 2015
Sunil K Dubey, Vaibhav Baleraoa, Sahil Sama, Rajeev Taliyan, Rajesh Khadgawat	Development of a Simple, Economical Method for the Determination of Endocrine Disrupting Chemical Bisphenol A and Effect of	International Conference on Nascent Developments in Chemical Sciences: Opportunities for	BITS Pilani, Pilani Campus	October 16-18, 2015
	Solid Phase Extraction on Its Recovery	Academia-Industry Collaboration NDCS-2015		
Sunil K Dubey, Vaibhav Baleraoa, Rajeev Taliyan, Rajesh Khadgawat	Quality Assessment by Content Analysis of Cholecalciferol (Vitamin D3) in Marketed Oral Formulations by Simple Sensitive and Validated Chromatographic Method	International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration NDCS-2015	BITS Pilani, Pilani Campus	October 16-18, 2015
Mahaveer singh, Hemant R. jadhav	Design of Novel Pharmacophore for Histamine 3 Receptor Antagonist	Association of Pharmaceutical Teachers of India 20th Annual National Convention-2015	Indore at DAVV	October 9-11, 2015

1. "Sensing of Contaminants in Potable Water Using TiO₂ Functional Film", N. Akshatha, M. Poonia, V. Manjuladevi, R. K. Gupta, P. Shukla, & R. Gupta, International Conference on Emerging Technologies : Micro to Nano 2015, ETMN 2015, Manipal University, Jaipur from 24-25th October 2015. Poster Presentation.
2. "Interaction of Bovine Serum Albumin Protein with Self Assembled Monolayer of Mercaptoundecanoic Acid", M. Poonia, V. Manjuladevi, R. K. Gupta, International Conference on Condensed Matter and Applied Physics, ICC 2015, Bikaner, 30-31st October 2015. Poster Presentation.
3. "Studies on morphology of Langmuir-Blodgett films of stearic acid deposited with different orientation of substrates with respect to compression", Keerti Choudhary, V. Manjuladevi, R. K. Gupta, International Conference on Condensed Matter and Applied Physics, ICC 2015, Bikaner, 30-31st October 2015. Poster Presentation.
4. "Electro-optic switching studies on functionalised SWCNT nanocomposites of OctylCyanobiphenyl", J. Kumar, R. K. Gupta, V. Manjuladevi, 22th National Conference on Liquid Crystals (NCLC-22), December

- 21-23, 2015, Department of Physics, DIT University, Dehradun. Poster Presentation.
5. "Effective time-independent analysis for quantum time-**periodic systems**", J. N. Bandyopadhyay, T. Mishra, R. J. Sharma, and T. Guha Sarkar, Workshop on Quantum Correlated Matter and Chaos, 21-26 June, 2015, Max-Planck Institute for the Physics of Complex Systems, Dresden, Germany.
 6. "Growth and Characterization of Single Phase Cu₂O by Thermal Oxidation of Thin Copper Films", S. Choudhary and S. Gangopadhyay, 2nd International Conference on Emerging Technology: Micro to Nano (ETMN 2015), Manipal University, Jaipur from 24-25th October 2015. Poster Presentation.
 7. "Formation of Single Phase Cu₂O by Thermal Oxidation of Thin Copper Films", S. Choudhary and S. Gangopadhyay, International Conference on Nascent Developments in Chemical Sciences, BITS Pilani, Rajasthan 16-18 Oct (2015). Poster Presentation.
 8. "Probing Dynamics of Phase Transitions Occurring Inside a Pulsar", Biswanath Layek, "7th International Conference on Physics and Astrophysics of Quark Gluon Plasma (ICPAQGP - 2015)", 1- 6 February 2015, VECC, Kolkata, Poster Presentation.
 9. "Unzipping of DNA in presence of molecular crowders", Amar Singh and Navin Singh in the Condensed Matter day 2015 from August 27-29, 2015, at Viswabharti University, Shantiniketan, W.B. (Oral presentation).
 10. "DNA under random force", Amar Singh and Navin Singh in XXVII IUPAP Conference on **Computational Physics**: CCP2015 from Decemebr 02-05, 2015, at IIT Guwahati, (Oral presentation).
 11. "Upsilon Suppression at LHC: Temperature dependent formation time approach" S. Ganesh and M. Mishra in an International Conference on Ultra-relativistic Nucleus - Nucleus Collisions (Quark Matter - 2015) held in Kobe, Japan during 27th Sep. 2015 - 3rd Oct. 2015. (Poster Presentation).
 12. "Studying the Conductance and Transport in Low-Dimensional Graphene Nano Ribbon under Ballistic Regime." Surender Pratap **and Niladri Sarkar**, International Conference on Condensed Matter and Applied Physics, ICC 2015, Bikaner, 30-31st October 2015. Poster Presentation.
 13. "Application of a Self-Consistent NEGF Procedure to Study the Coherent Transport with Phase Breaking Scattering in Low Dimensional Systems", Surender Pratap and Niladri Sarkar, Micro to Nano 2015, ETMN 2015, Manipal University, Jaipur from 24-25th October 2015. Poster Presentation.
 14. "**sol-gel synthesized ionic liquid incorporated novel glassy ionic system**" by Rajinder Shivran, S. C. Sivasubramanian, Anshuman Dalvi 11th national conference on solid state ionics Tezpur University, 21-23rd December 2015. To be published as a chapter in a book, " "Energy storage and conversion: Materials and Devices"
 15. 'Excited State relaxation processes of fluorescent molecules in nano-size ionic and neutral micellar systems' by D. D. Pant in 5th International Colloidal Conference, June 21-24, 2015, organized by ELSEVIER, Amsterdam, Netherlands.
1. Chandrasekhar Chanda, Angshuman Sarkar, Dibakar Chakrabarty, A Thrombolytic and Anti-Adhesive Metalloprotease from Indian Monocled Cobra Venom, Fifth Annual Conference of the Toxinological Society of India, Little Flower Hospital and Sree Narayana Institute of Medical Sciences, Kochi, Kerala, 21 & 22 November, 2015.
 2. Jigni Sayeda Pathan, Angshuman Sarkar and Dibakar Chakrabarty, REGULATION OF SMALL GTPASES AND NUCLEAR DAMAGE CAUSED BY RUSSELL'S VIPER VENOM (RVV), Trends in Cell and Molecular Biology (TCMB), 2015-An International Conference, Department of Biological Sciences, BITS Pinali, K K Birla Goa Campus, 19-21 December, 2015.
 3. Gautam Krishnan, Utpal Roy, Sam C Joy, Natesh, Siddarth T ,Rohit Shivkumar , Cloning and Expression of Antigenic proteins of Pathogenic organisms:Special focus on Mycobacterial Family (Paper) , National Tuberculosis Conference NATCON, Mumbai, India , Tuberculosis Association of India , Feb 6-7,2015.
 4. Pallavee Srivastava, Judith M. Braganca, Meenal Kowshik, Haloarchaea and metallic nanoparticles synthesis (Oral Presentation), One day state level seminar on 'Archaea:Microbes of third domain of life, Dept of Microbiology, P.E.S.,s Ravi S. Naik College of Arts and Science, Sep 28 2015.
 5. Pallavee Srivastava, Judith M. Braganca, Meenal Kowshik, Anti-proliferative Selenium nanoparticles biosynthesized by Halococcussalifodinae BK18 (Poster presentation), One day state level seminar on 'Archaea:Microbes of third domain of life, Dept of Microbiology, P.E.S.,s Ravi S. Naik College of Arts and Science, Sep 28 2015.
 6. Archana Sharma, Sumrita Bhat, Vijayashree Nayak and Ashok Kumar, Polyethylene glycol (PEG) and Carrageenan Cryogel Matrices for Soft Tissue Engineering Applications, BIOTECH 2015 IIT,Kanpur, India, International Conference, IIT Kanpur, 13th to 15th March,2015.
 7. Ansie Martin and Angshuman Sarkar, Evaluation of metal nano-oxide stress in building a Nano QSAR model for prediction of toxicity, 23rd International Conferenceon Current Trends in Computational Chemistry (CCTCC), JACKSON UNIVERSITY; USA, Nov 2015.
 8. A Martin, S Hazra, N NGhosh, A Sarkar, DEVELOPMENT OF A QSAR MODEL TO PREDICT METAL NANO-OXIDE TOXICITY ON ALVEOLAR CELLS, Trends in Cell and Molecular Biology (TCMB), 2015-An International Conference, 2015-Dec 19-21st, 2015.
 9. G Ravindran, D Chakrabarty and A Sarkar, CADMIUM INDUCED CYTOTOXICITY: A CELL SPECIFIC

STRESS RESPONSE? Trends in Cell and Molecular Biology (TCMB), 2015-Dec 19-21st, 2015.

10. Joseph Fernandes, G Chhabra A Banerjee, Glucagon like peptide 1 analogue, liraglutide, controls adipogenesis by regulating adipokine profile, National Conference on Reproductive Health Challenges: Issues and Remedies (NCRHC-2015), Indian Society for the Study of Reproduction and Fertility (ISSRF), 11-13 September, 2015.
 11. Vijayashree Nayak, Priyanka Dwivedi, Study of different delivery modes of chondroitin sulphate using microspheres and cryogel scaffold for application in cartilage tissue engineering, Advances in Functional Materials, Stony Brook University, New York, USA June 29 to July 3, 2015.
 12. Priyanka Dwivedi, Vijayashree Nayak & Meenal Kowshik, Gold nanoparticles as drug delivery vehicle for chondroitin sulphate to treat arthritis, Advances in Functional Materials, Stony Brook University, New York, USA, June 29 to July 3, 2015.
 13. Yogesh Walwalkar and Vijayashree Nayak, Evaluating a novel bacterial isolation and enumeration method-an approach to lab on paper, International conference on biotechnology (BIOTECH2015) IIT, Kanpur, 13th March-15th March 2015.
 14. Yogesh Walwalkar and Vijayashree Nayak, Bile in regulating small ncRNA expression in Salmonella Typhi –A factor for chronic infection within gallbladder??" DAE-BRNS Life Sciences Symposium-2015 (LSS-2015), BARC, Mumbai, Feb3-5,,2015.
 15. Yogesh Walwalkar and Vijayashree Nayak, EMT regulation and S.typhi association in gall bladder carcinoma, Cancer Research: from Bench to the Bedside". Hotel Clerks Amer, Jaipur, Indian Association of Cancer Research (IACAR), Feb 19-21, 2015.
 16. Priyanka Dwivedi, Sumrita Bhat, Vijayashree Nayak and Ashok Kumar, Study of different delivery modes of chondroitin sulphate using microspheres and cryogel scaffold for application in cartilage tissue engineering, International conference on biotechnology (BIOTECH2015), IIT, Kanpur, 13th March-15th March 2015.
 17. Kanishka Tiwary, Yogesh Walwalkar and Vijayashree Nayak, Understanding the motile to sessile shift in S.typhi during bile stress, International conference on biotechnology (BIOTECH2015), IIT, Kanpur, 13th March-15th March 2015.
 18. Tannishtha Saha and Vijayashree Nayak DNA damage assay on selenium based drug on A549 cell lines in vitro, International conference on biotechnology (BIOTECH2015), IIT, Kanpur, 13th March-15th March 2015.
 19. Faiza Nazar and Vijayashree Nayak, Effect of selenium based drug on lung carcinoma cells, International conference on biotechnology (BIOTECH2015), IIT, Kanpur, 13th March-15th March 2015.
 20. Priyadarshini P. Pai and Sukanta Mondal, Identification of catalytic residues in enzymes using support vector machines, 2015 NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference, HICC, Hyderabad, INDIA, October 1-3, 2015.
 21. Priyadarshini P. Pai and Sukanta Mondal, Advances in Computational Identification of Protein Interaction Sites, BIT's 6th World Gene **Convention, BIT Group Global Ltd., Information Research Center of International Talent, China State Administration of Foreign Experts Affairs, Qingdao, China, November 13-15, 2015.**
 22. Priyadarshini P. Pai and Sukanta Mondal, Prediction of RNA-interacting proteins and sites for therapeutics and drug discovery, Trends in Cell and Molecular Biology (TCMB), 2015-An International Conference, Department of Biological Sciences, BITS-Pilani, K. K. Birla Goa Campus, December 19-21, 2015.
 23. Deepthi Das and Judith Braganca, Screening and characterization of haloarchaea from indian salt pans for the production of hydrolytic enzymes One day state level seminar on 'Archaea:Microbes of third domain of life' Dept of Microbiology, P.E.S.,s Ravi S. Naik College of Arts and Science. Sep 28, 2015.
 24. Bhakti Salgaonkar and Judith Braganca, Utilisation of commercial and agro-industrial wastes as substrates for the biosynthesis of polyhydroxyalkanoates by extremely halophilic archaea One day state level seminar on 'Archaea:Microbes of third domain of life' Dept of Microbiology, P.E.S.,s Ravi S. Naik College of Arts and Science Sep 28, 2015.
 25. Bhakti Salgaonkar and Judith Braganca, Biosynthesis of a Potential Biodegradable Food Grade Polymer by Extremely Halophilic Archaea for Flexible Packaging First International Conference on Advances in Food Science and Technology Institute for Holistic Medical Sciences, Kottayam. November 20 -22, 2015.
 26. Kabilan Mani and Judith M. Braganca. Archaeal and Bacterial diversity of Solar Salterns of Goa: A Metagenomic Study One day state level seminar on 'Archaea:Microbes of third domain of life' Dept of Microbiology, P.E.S.,s Ravi S. Naik College of Arts and Science. Sep 28 2015.
1. Shankar B. Dalavi and Rabi N. Panda, "Development of novel chemical methods for synthesis of Co and Ni nanoparticles and studies on their magnetic properties", 'National Conference on Frontiers in Chemical and Material Sciences (FCMS)', Shivaji University, Kolhapur, 16-17th January 2015.
 2. Shankar B. Dalavi and **Rabi N.** Panda, "Enhancement Of Magnetic Moment In Co-Ni Alloy Nanoparticles Dispersed In Silica Matrix Synthesized By Novel Chemical Route", 'International Conference on Magnetic Materials and Applications (ICMAGMA-2015)', VIT University, Vellore, 2-4th

December 2015.

3. Ranjan Dey, Hrishikesh Joshi, Kratika Kukreja and Akanksha Saini, "TRANSPORT, OPTICAL INTERFACIAL AND THERMODYNAMIC PROPERTIES OF BINARY AND TERNARY LIQUID MIXTURES", 19th Symposium in Thermophysical Properties, 20th - 26th June, 2015, Colorado University, Boulder, Colorado, USA.
4. Ranjan Dey and Akanksha Saini, "Comparative study of thermodynamic and related properties of ketone+aromatic amines at three temperatures" RSC- CRSI National Symposium , 5th - 8th Feb, 2015, NCL Pune, Pune, India.
5. **Ranjan Dey**, Karan S Raghuvanshi, Aditya Harshvardhan and Akanksha Saini, "Acoustical Thermophysical and excess Properties of binary and higher order liquid mixtures", International Symposium on Ultrasonics, 22nd - 24th Jan, 2015 Nagpur University, Nagpur, India.
6. Ranjan Dey, T Srinivas Krishna, B. Munibhadrayya, "Volumetric and Acoustical study of 1-Butyl-3-methylimidazolium(trifluoromethylsulfonyl)imide with N-methyl-2-pyrrolidinone", NFCFA- 2015 in association with RSC, BITS Pilani KK Birla Goa Campus, Goa, 18th- 19th December, 2015.
7. Ranjan Dey, Shashwat Verma and Aditya Harshvardhan "Viscometric studies of Binary and Higher order Liquid Mixtures employing Predictive and Correlative Models" NFCFA- 2015 in association with RSC, BITS Pilani KK Birla Goa Campus, Goa, 18th- 19th December, 2015.
8. Akanksha Saini, Hardik Hingorani and Ranjan Dey, "A New Approach for predicting Viscosity of Binary and Multicomponent Liquid Mixtures", NFCFA- 2015 in association with RSC, BITS Pilani KK Birla Goa Campus, Goa, 18th- 19th December, 2015.
9. Kartikeya Tiwari, Aditya Prakash Pandey and Ranjan Dey, "Acoustical and Refractometric Studies of binary and Higher order liquid Mixtures", NFCFA- 2015 in association with RSC, BITS Pilani KK Birla Goa Campus, Goa, 18th- 19th December, 2015.
10. Venkatesan Thimmakonda, "Molecules in laboratory and in space", National Conference on "Frontiers at the Chemistry – Allied Sciences Interface", March 13-14, 2015, University of Rajasthan, Jaipur, India.
11. Banerjee, S.; Chattopadhyay, A.; Banerjee, A.; Haridas, M.; Saini, P.; Das, M.; Majik, M. S.; Mauyra, Y. Kr. 'Synthesis and photophysical characterization of quasi push-pull dicyanodibenzodioxins and their anti-tumor activity against glioma cell line C6': Invited speaker and resource person at UGC Sponsored National Seminar on Recent and Emerging Advances in Chemical Science, REACS-2015 on 8th and 9th January 2015 at All Saints College, Thiruvananthapuram, India.
12. Vikash Kumar, Amrita Chatterjee and Mainak Banerjee, D-Glucose Derived Novel Gemini Surfactants: Synthesis and Study of Their Surface Properties, Interaction with DNA, and Cytotoxicity, Biomaterials-2014, International conference organized by IIT-Delhi-and ENEA Rome ITALY, at IIT Delhi, October 27-30, 2014.
13. Zigmee T. Bhutia, Amrita Chatterjee and Mainak Banerjee, Grinding in a mortar-pestle: A simple, eco friendly a versatile route for the synthesis of *Heterocycles*, ICGC-2015, Goa University, Goa, 22nd-24th January, 2015.
14. Zigmee T. Bhutia, Anurag Malik, Geethika P., Amrita Chatterjee and Mainak Banerjee, Grinding in a mortar-pestle: A simple and eco-friendly route for the synthesis of cis-fused chromano[4,3-c]isoxazoles via intramolecular nitrene cycloaddition, 17th RSC-CRSI symposium at NCL, Pune Feb. 5-8, 2015.
15. Zigmee T. Bhutia, Amrita Chatterjee and Mainak Banerjee, Grinding in a mortar-pestle: A simple, ecofriendly and versatile route to the synthesis of Heterocycles", NFCFA2015, BITS Pilani KK Birla Goa Campus, Goa, 18th- 19th December, 2015.
16. Amrita Chatterjee, Chemical sensors for biologically/environmentally important analytes, Biomaterials-2014, International conference organized by IIT-Delhi-and ENEA Rome ITALY, at IIT Delhi, October 27-30, 2014.
17. **Diprati G. Khandare, Mainak Banerjee and Amrita Chatterjee**, Fluorescence "Turn-on" detection of dissolved CO₂ in water with Aggregation-induced emission active tetraphenylethylene, 17th RSC-CRSI symposium at NCL, Pune Feb. 5-8, 2015.
18. **Diprati G. Khandare, Mainak Banerjee and Amrita Chatterjee**, A Highly Fluorescence "Turn-on" Type Chemodosimeter for selective detection of Perborate Ion, 17th RSC-CRSI symposium at NCL, Pune Feb. 5-8, 2015.
19. Diprati G. Khandare, Mainak Banerjee and Amrita Chatterjee, Aggregation Induced Emission Based Turn-On Type Tetraphenylethylene Chemodosimeter for Detection of Mercury Ion, International conference, NDCS 2015, October 16-18, 2015, BITS Pilani, Rajasthan.
20. Vikash Kumar, Amrita Chatterjee and Mainak Banerjee, Tetraphenylethene - Based Water Soluble Fluorescent Probes having Aggregation Induced Emission (AIE) Characteristics for BSA, DNA Detection and their Quantitation, International conference, NDCS 2015, October 16-18, 2015, BITS Pilani, Rajasthan.
21. Uday Kumar Padidela, Tarun Khanna and Raghu Nath Behera, "Structure and properties of model

colloidal suspensions: Molecular Dynamics Simulation Study". One Day State Level Seminar on Advances in Colloid Chemistry, sponsored by UGC and organised by Department of Chemistry, Parvatibai Chowgule College of Arts and Science, Margao, Goa, Feb 14, 2015. (Second Prize)

22. N. M. Kaley, A. Panda and R. N. Behera, (2015) Computational study of E...N (E = Se/Te) Intramolecular Interactions in Diaryl Dichalcogenides: Effect on E-E Bond Strength and Antioxidant Activity, 4th International Conference on Research Frontiers in Chalcogen Cycle Science & Technology, Delft, The Netherlands, May 28 – 29, 2015.

23. A. Panda and R. N. Behera, Theoretical Investigation of Glutathione Peroxidase like Activity of some Conformationally Restricted Dichalcogenides, 4th International Conference on Research Frontiers in Chalcogen Cycle Science & Technology, Delft, The Netherlands, May 28 – 29, 2015.

24. Uday Kumar Padidela and Raghu Nath Behera, Integral equation studies of model colloidal suspensions: Comparison of different closure approximations, National Conference on NEW FRONTIERS IN CHEMISTRY – FROM FUNDAMENTALS TO APPLICATIONS (NFCFA 2015), BITS, Pilani - K. K. Birla Goa Campus, December 18-19, 2015.

25. Sharma A., Hayat A, Mishra R.K., Catanante G, Bhand S and Marty J.L.. Aptamer Assay: a nanomaterial based sensing platform for detection of food toxin. Presented at 11th workshop on biosensors and bioanalytical microtechniques in environmental and clinical analysis, 26-30 Sep 2015 Regensburg Germany. (both oral and poster presentation by Atul Sharma).

26. Sharma A., Hayat A, Mishra R.K., Catanante G, Bhand S and Marty J.L.. Aptamer Assay: a novel sensing strategy for detection of target analyte using nanomaterials based sensing platform for detection of food toxin. Presented at XXth Transfrontier meeting of sensors and biosensors TMSB-2015, Oct 1&2 2015 Perpignan France.

27. Rupesh K Mishra, Atul Sharma, Akhtar Hayat, Sunil Bhand and Jean-Louis Marty. OTA biosensing in real matrix using folding based electrochemical aptasensor. (voted and awarded as one of the top 20 excellent poster presentation at 15th International Symposium on Electroanalytical chemistry, (15th ISEAC) Aug. 13-16 2015 at Changchun, China.

28. Narendra Nath Ghosh "Our Venture on Development of Novel Synthetic Routes for Preparation of Variety of Nanostructured materials: Magnetic Nanoparticles, Advanced Nanocatalysts, Graphene oxide based nano-composites" National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2015) BITS Pilani, KK Birla Goa Campus, 18 -19 December 2015.

29. Madhurya Chandel, Harshit Sinha, Harshdeep Singh Hora, Barun Kumar Ghosh, Debabrata Moitra, Narendra Nath Ghosh "Synthesis of magnetic separable CuFe₂O₄ and RGO@CuFe₂O₄ **nanocatalysts** for reduction of various synthetic dyes." National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2015) BITS Pilani, KK Birla Goa Campus, 18 -19 December 2015.

30. Anjan Chattopadhyay "Exploring the Nitrone-Oxaziridine photo-conversion path through computational studies" NFCFA 2015, BITS-Pilani, K.K.Birla Goa Campus on Dec 18-19, 2015.

31. Anjan Chattopadhyay attended the Spin Chemistry Meeting (SCM 2015) held at Saha Institute of Nuclear Physics, Kolkata, between 15th and 20th March 2015.

32. Riddish Pandharkar and Anjan Chattopadhyay, "Computational Investigations on the Charge Transfer Excited States of Some Fluorescent Push-Pull Systems" at NFCFA 2015, BITS-Pilani, K.K.Birla Goa Campus, 18-19 Dec 2015, (Won the second best poster award).

33. Praveen Saini and Anjan Chattopadhyay, "Computational investigations on the photochemical oxaziridine conversion and thermal E-Z isomerization processes of N-methyl retinyl nitron" at NFCFA 2015, BITS-Pilani, K.K.Birla Goa Campus, 18-19 Dec 2015.

34. Praveen Saini and Anjan Chattopadhyay, "Effects of electron-donating and electron-withdrawing groups on the photochemistry of conjugated N-substituted open-chain nitrones" at 17th CRSI National Symposium in Chemistry, Department of Chemistry, NCL, Pune 2015.

1 H.M. Mouna, Gurav Parag, S.S. Baral, "Bioleaching of Nickel from spent Fluid Catalytic Cracking catalyst by Aspergillus Niger", SCHEMCON 2015, MIT Pune India, 12 - 13th Sep. 2015

2 Suprabhat Bhagavathula, Joshi Manasi Satchit, Sutapa Roy Ramanan and Jegatha Nambi Krishnan, "Fabrication and characterization of Nanoporous Gold film Electrode", International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015), NIT Warangal, India

3 S. Bhagavathula, S. R. Ramanan, S. K. Kim and J. N. Krishnan, "Fabrication of Electroless Plated Nano Porous Gold Film for Heavy Metal Ion Detection in Sensor Applications", Tech Connect World Innovation Conference and Expo (NanoTech-2015), Gaylord National Resort and Convention Center, National Harbor, Washington, D. C., U. S. A., 2015

4 Potti Sanjay Sambhu, Jayant Singh Sidhu, Srinivas Krishnaswamy, K N Ponnani and Jegatha Nambi Krishnan, "Fluidized Bed Design in Electronic Grade Silicon Manufacture", **International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015)**, NIT Warangal, India.

5 Ravi Teja, Sampatrao Manjare, Debopama Debnath and Arnika Jain, "Modeling and Simulation of PBI based **High Temperature Proton** Exchange Membrane Fuel Cell", 5th International Conference on

Advanced in Energy Research, IIT Bombay Mumbai, 15th -17th December 2015.

6 Shashwat Bansal and Sampatrao D Manjare, "Theoretical Investigation on the performance of Multicomponent Distillation Column for the Separation of Hydrocarbon Mixture using Inside Out Approach", published in the proceedings of *68th Annual Session of Indian Institute of Chemical Engineers*, "CHEMCON 2015" held at IIT Guwahati, December 27-30, 2015

7 **Probal Guha, Tanmay Netke**, Sampatrao D. Manjare, "Mathematical Modeling of Bitumen and Oil Shale Extraction Using Supercritical Fluid" published in the proceedings of International Conference on Advances in Chemical Engineering held at NIT Suratkal, December 20-22, 2015

8 **Vaishnavi Unde** and Srikanth Mutnuri, "Indigo production in a fed batch bioreactor using aqueous-solvent two phase system" ICEBB-2015 - 17th International conference on emerging Biosensors and Biotechnology organized by WASET-World Association of Science, Engineering and Technology at Deira, Dubai, UAE 24-25th November 2015.

9 Amol Deshpande, Srinivas Krishnaswamy, Krishnaswamy Ponnani, "Experimental studies on unmixed combustion: packed bed reactor technology for heat transfer applications", AIChE Annual Meeting 2015 Proceedings at Salt Lake City, Utah, USA, November 8 – 13, 2015.

10 Manjuri K. Koley, Omprakash Chouhan, Sumit Biswas, Aditya P. Koley "DNA binding studies of some monomeric mixed ligand Cu(II) complexes containing N₂S(thiolate)Cu core and heterocyclic aromatic base adducts" Nascent Developments in Chemical Sciences: Opportunities for Academia –Industry Collaboration (NDCS-2015) at BITS Pilani Oct 16-18, 2015.

11 Asima Shaukat, Johan Mattsson, Daniel Read, Peter Olmsted, "Rheological Dynamics of entangled multiple-inverted cis-polyisoprene solution under steady shear", Soft Matter Young Investigators Meet (SMYIM 2015) at Pondicherry, Dec 17 - 19 2015.

12 Devdutt Sharma and Asima Shaukat, "Rheological behavior of polymer–clay nanocomposites" National Conference on New Frontiers in Chemistry - From Fundamentals to Applications (NFCFA2015) at BITS Pilani, K K Birla Goa Campus, held on 18-19 December, 2015.

1. Srinivasan, A. Bain, M. Vatsa, D. and Agrawal, S, "Identification of transition models of biologicals systems in the presence of transition noise". 25th International Conference on Inductive Logic Programming.

2. Mohit, Y. Hassan E. Shroff, G. Agarwal, P. and Srinivasan, "A. Patterns in Multi-Sensor Data from the Industrial Internet". PReMI 2015.

3. Divyansh Khanna, Rohan Sahu, Veeky Baths and Bharat Deshpande, "Comparative Study of Classification techniques (SVM, Logistic Regression and Neural Networks) to predict the prevalence of Heart Disease" 7th International Conference on Machine Learning and Computing (ICMLC 2015), March 19-20, 2015 in Florence, Italy, pp. 414-419.

4. Aruna Govada, Pravin Joshi, Sahil Mittal, Sanjay Kumar Sahay, "Hybrid Approach for Inductive Semi Supervised Learning Using Label Propagation and Support Vector Machine". 11th International Conference, MLDM 2015 Hamburg, Germany, July 20-21, 2015. LNAI 9166: pp 199-213.

5. Aruna Govada, Bhavul Gauri, Sanjay.K.Sahay, "Distributed Multi-Class SVM for Large Data Sets". Rd ACM International Symposium on Women in Computing & Informatics, Kochi, Kerala, Aug 10-13, 2015. Pages 54-58.

6. Aruna Govada, Bhavul Gauri, Sanjay.K.Sahay, "Centroid Based Binary Tree Structured SVM for Multi Classification". 4th IEEE International Conference on Advances in Computing, Communications and Informatics, Kochi, Kerala, Aug 10-13, 2015 pp 258 - 262.

7. R.K. Roul, Ashish Nanda, Viraj Patel and S.K. Sahay, "Extreme Learning Machines in the field of Text Classification", 16th ACIS/IEEE conference on Software Engineering, Networking, Parallel Computing and Distributed Computing, pp 1-7.

8. Neethu Bal Mallya, Geeta Patil and Biju Raveendran, "Way Halted Prediction Cache: An Energy Efficient Cache Architecture for Embedded Processors" Proceedings of the 28th International Conference on VLSI design, pp 65 - 70.

9. Sreejith, V.; Suriyadeepan, R.; Anupama, K.R.; Gudino, L.J., "High Bandwidth Data Streaming in Sensor Network with Mobile Nodes" Accepted for the proceedings of IEEE- ICC 2015.

10. Sreejith, V.; Anupama, K.R.; Gudino, L.J.; Suriyadeepan, R., "A fast exploration technique in WSN for partition recovery using mobile nodes", Twenty First National Conference in Communications (NCC), pp.1-6, Feb. 27 2015-March 1 2015 doi: 10.1109/NCC.2015.7084923.

11. V. Sreejith, K. R. Anupama, Lucy J. Gudino, and R. Suriyadeepan, "Partition Discovery and Connectivity Restoration in WSN using Mobile Relays" In Proceedings of the 2015 International Conference on Distributed Computing and Networking (ICDCN '15). ACM, GOA January - 2015, Article 36, 9 pages. DOI=10.1145/2684464.2684487 (Nominated for Best paper award).

12. Rob Davis, Abhilash Thekkilakattil, Oliver Gettings, Radu Dobrin, Sasikumar Punnekkat, "Quantifying the Exact Sub-Optimality of Non-Preemptive Scheduling (Dec 2015) The 36th IEEE Real-Time Systems Symposium (RTSS'15).

13. Abhilash Thekkilakattil, Rob Davis, Radu Dobrin, Sasikumar Punnekkat, Marko Bertogna, "Multiprocessor Fixed Priority Scheduling with Limited Preemptions" (Nov 2015) Accepted for The 23rd International

Conference on Real-Time Networks and Systems (RTNS'15).

14. Stephan Baumgart, Joakim Fröberg, Sasikumar Punnekkat, "Enhancing Model-Based Engineering of Product Lines by Adding Functional Safety", (Oct 2015) Accepted for International Workshop on Modelling in Automotive Software Engineering (MASE'15).
15. Ayhan Mehmed, Sasikumar Punnekkat, Wilfried Steiner, Giacomo Spampinato, Martin Lettner, "Improving Dependability of Vision-Based Advanced Driver Assistance Systems Using Navigation Data and Checkpoint Recognition", (Sep 2015) Accepted for International Conference on Computer Safety, Reliability & Security (SAFECOMP 2015).
16. Rob Davis, Oliver Gettings, Abhilash Thekkilakattil, Radu Dobrin, Sasikumar Punnekkat, "What is the Exact Speedup Factor for Fixed Priority Pre-emptive versus Fixed Priority Non-pre-emptive Scheduling?" (Jul 2015) The 6th International Real-Time Scheduling Open Problems Seminar (RTSOPS'15).
17. Omar Jaradat, Iain Bate, Sasikumar Punnekkat, "Using Sensitivity Analysis to Facilitate The Maintenance of Safety Cases", (Jun 2015) The 20th International Conference on Reliable Software Technologies (Ada-Europe-2015)- pp 162-176.
18. Wilfried Steiner, Ayhan Mehmed, Sasikumar Punnekkat, "Improving Intelligent Vehicle Dependability By Means of Infrastructure-Induced Tests", 1st Workshop on Safety and Security of Intelligent Vehicles (SSIV 2015), p 147 - 152.
19. Omar Jaradat, Iain Bate, Sasikumar Punnekkat, "Facilitating the Maintenance of Safety Cases" (Jun 2015) The 3rd International Conference on Reliability, Safety and Hazard - Advances in Reliability, Maintenance and Safety (ICRES-ARMS'15).
20. Marina Gutiérrez, Wilfried Steiner, Radu Dobrin, Sasikumar Punnekkat, "A Configuration Agent based on the Time Triggered Paradigm for Real-Time Networks" (May 2015) -- Best Paper Award 11th IEEE World Conference on Factory Communication Systems (WFCS'15), pp 1 - 4.
21. Ramprasad Joshi and Vandana Palsane. De-skilling of hi-tech labour in India. In 36th Annual Conference of the International Working Party on Labour Market Segmentation (IWPMS), Athens, 22-24 June 2015 - "Long term trends in the world of work and effects of the economic crisis: Policy challenges and responses. Panteion University of Social and Political Sciences", Athens, 2015.
22. Ramprasad Joshi and Anshul Ravichander, "Queues with unit length times". In 3rd Meeting on Statistics. Department of Statistics, Athens University of Economics and Business, Athens, 2015.
23. Sunit Singh, Ramprasad Joshi, and Harsh Kohli, "Optimal route searching in networks with dynamic weights **using flow algorithms**". In **Proceedings of the CICN 2015**, to appear. IEEE, 2015.
24. Sreejith, V.; Anupama, K.R.; Gudino, L.J.; Suriyadeepan, R., "High bandwidth data streaming in sensor network with mobile nodes", Accepted in IEEE International conference on Control, Communication and Computing India 2015 (IEEE ICC 2015).
1. Prince A.A., Vineeth K. A. : "Framework for Remote and Adaptive Partial Reconfiguration of SoC Based Data Acquisition Systems under Linux", 10th IEEE International Symposium on Reconfigurable Communicationcentric Systems-on-Chip (ReCoSoC 2015), June 29th – July 1st 2015, Bremen, Germany . 2. **Prince A.A. and Mishra S.:** "Multi-Mode Electronic Stethoscope Implementation and Evaluation Using Dynamic Reconfigurable Design", 5th IEEE International Advanced Computing Conference (IACC 2015), pp. 228-232, June 12th - 13th 2015, Bangalore.
3. K. Chandram, K. Soujanya, "Detection and Quantification of Harmonic Emissions in Doubly Fed Induction Generator Using Discrete Wavelet Transform", First International Conference on Recent Developments in Control, Automation and Power Engineering, 12-13 March 2015 AMITY University, IEEE.
4. Prince A.A., Verma P.K., Jayakumar C., Raju D., "Efficient Architecture for Real Time Implementation of Hilbert Transform in FPGA", 15 IEEE International Conference on Electrical, **Computer and Communication Technologies (ICECCT)**, pp. 1-5, March 5th -7th 2015, Coimbatore .
5. Dhongdi Sarang C; Anupama K.R.; Gudino Lucy J. : "Review of protocol stack development of Underwater Acoustic Sensor Network (UASN)", **Underwater Technology (UT), 2015 IEEE, pp.1,17, 23-25 Feb. 2015;** Place -NIOT, Chennai, India.
6. Dhongdi S.C., Anupama K.R.; Agrawal R.; Gudino L.J., "Simulation and test bed implementation of TDMA MAC on Underwater Acoustic Sensor Network", Communications (NCC) 2015 Twenty First **National Conference**, vol.no. pp.1,6, Feb. 27 -March 1 2015, Place- IIT Bombay, Mumbai, IEEE.
7. Mane P.S.; Talati.N.; Riswadkar. A.; Jasani. B.; Ramesha C.K. : "Implementation of NOR Logic Based on Material Implication on CMOL FPGA Architecture", 28th **International Conference on VLSI Design (VLSID)**, 2015, pp.523-528, 3-7 Jan. 2015.
8. Sampath M, Mane P.S, Ramesha C.K., "Hybrid CMOS-memristor based FPGA architecture", 2015 International Conference on VLSI -Systems Architecture Technology and Applications (VLSI-SATA), pp.1-6, 8-10 Jan. 2015.
9. N. Robinson and A. P. Vinod, "Bi-directional Imagined Hand Movement Classification using Low Cost EEG based BCI", Proc. of International Conference on Systems, Man and Cybernetics, Oct. 2015, Hong Kong. IEEE.

10. **Robinson**, A.D. Zaidi, M. Rana, A. P. Vinod, C. Guan, N. Birbaumer, R. Sitaram, "Real-time fNIRS-BCI system for subject independent pattern classification of overtand covert movements", Real-time Functional Imaging and Neuro feedbackConference, Feb. 2015,Gainesville, Florida. IEEE.
11. C.Balakrishna Moorthy, Ankur Agarwal, M.K.Deshmukh,"Artificial Intelligence Techniques for Wind Power Prediction: A Case Study", International Conference on Soft Computing in Applied Sciences & Engineering (ICSCASE-2015) 23-24 July 2015.
12. Anupama, K.R.; Shenoy, Meetha.V.; CH.S.Sankhar Reddy., "BSwarm robot — A low cost mobile wireless sensor researchplatform using COTS products", International Conference on Signal Processing, Informatics, Communication and Energy Systems SPICES-EB 19-21 ,2015,Calicut-India,IEEE 2015.
13. Anupama K.R.;Reddy Ch.S.S.;Shenoy Meetha.V, "FlexEye - A flexible camera mote for sensor networks", inSignal Processing and Integrated Networks", SPIN 2015,International conference on Signal Processing andIntegrated Networks,19-20Feb-2015-Noida,India,IEEE.
14. Sreejith V.; Anupama K.R.;Gudino L.J. Suriyadeepan. R, "A fast exploration technique in WSN for partition recovery using mobile nodes", Twenty First National Conference in Communications 27th Feb – 1st March –IIT, Bombay,IEEE 2015.
15. Sreejith V, K.R Anupama, Lucy J Gudino, R Suriyadeepan , "A Fast Area Exploration in Wireless Sensor Network using Mobile Nodes", COMSNETS, International Conference on Communication Systems and Networks, 2015.

1. R P Pradhan; "Land, Labour & Agrarian Productivity: India's Million Mutiny in Making ", 19th Indian Political Economy Association Annual Conference, Goa University, Goa, 4-5th December 2015.
2. Upadhyay, S and Upadhyay, N. (2015). SIRPD: Spiritual Intelligence and Research Performance Dimension Framework in Higher Education. Proceedings of International Conference on 'Research and Business Sustainability' ICRBS - 2015 4th–6thDecember,2015, Delhi,India. Amitendu Bhattacharya The Enigma of Nirad C. Chaudhuri" at the International Conference on "Landmarks in Indian and World Literatures" organized by the Indian Society for Commonwealth Studies (ISCS) in collaboration with the Osmania University Centre for International Programmes (OUCIP, formerly the American Studies Research Centre), Hyderabad, from 26 to 28 November 2015.
3. Amitendu Bhattacharya , "A Poets' Poet: Revisiting Kabir Through the Translations by Rabindranath Tagore and Arvind Krishna Mehrotra" at the three-day International Conference on "Words Words Words: **The** Future of Literary Writing ", organized by the Department of English Literature, The English and Foreign Languages University, Hyderabad, from 25 to 27 November 2015.
4. Rayson K Alex. Defining Ecofilm: Beyond an Anthropocentric Approach International Conference on "Media and Communication Studies". Amity University, Rajasthan 20-22 November 2015.
5. Reena Cheruvalath, Social Policy in Higher Education: Linking education and social needs International South Asian Conference on Social Policy in Higher Education: Challenges and Possibilities Center of Education, University of Delhi, 19th to 21st November 2015.
6. Reena Cheruvalath Teachers' Character Development in Higher Education settings, National Conference, IITM, August 29-30, Chennai, 2015.
7. Mascarenhas Layla. " The Role of a Teacher in Higher Education Settings" National Conference, IITM, August 29-30, Chennai, 2015.
8. Sushant Kishore "From Rajghat to India Gate: Sites of State Sovereignty and Public Dissent"Researching the Contemporary Conclusive Workshop. Center for the Study of Developing Societies (CSDS) New Delhi, 27-29 August, 2015.
9. Anoop George World and Values: Addressing De-contextualisation. International Conference at Don Bosco university, Assam, Guwahati, Jointly organised by the Hubei University China on the theme "Asian Values and Human Future", July 7-9, 2015.

Conferences Abroad (4)

1. **Pradhan RP**, "India's Reluctant War with Indians: Cost Analysis of Naxal Violence & Governance Dividend" 09-11Oct. 2015, Asia Pacific Peace Research Institute (APPRA), Kathmandu, Nepal.
2. **Pradhan RP**, "Cooperating in the Seas: ASEAN Region Maritime Security, Naval Diplomacy & Game Theory", 3-4 Oct, 2015, Thammasat University, Bangkok, Thailand.
3. **Pradhan RP**, "India, Colombia and Philippines: Left Wing Terrorism Lost and Found, 26 - 29 May, 2015, Tbilisi State University, Tbilisi, Georgia, Central Asia.
4. **Raman Meenakshi** and Anjani Srikanth Koka. 18-20 September 2015. Bangkok, Thailand. **The Everincreasing Demand for Soft Skills at Workplace: A Study on IT professionals' Perspectives.**
5. **Upadhyay, S.**, Upadhyay, N., and Pinto, S (2015). Spiritual Intelligence and Organisational Effectiveness Ecosystem. Proceedings of International Conference on Technology and Business ICTB - 2015 23rd -25th March , 2015, Dubai.
6. **Gnanabharathi** , The Transglobal flows and Tribal Literatures of Indian context(s) , 5th Lisbon summer school for the study of culture of Lisbon Consotium, 22-27 June 2015 jointly organized by the Catholic university of Portugal and Lisbon university.
1. Bijil Prakash, Amit Setia, "Numerical solution and error analysis of Fredholm integro-differential equations

using Legendre and Block pulse functions”, In proceedings of 4th Annual International Conference On Computational Mathematics, Computational Geometry & Statistics(CMCGS 2015), Singapore, 26-27 January .

2. Kratarth Goel, Raunaq Vohra, and J.K. Sahoo, Modeling Temporal Dependencies in Data Using a DBNLSTM, Proceedings IEEE International Conference on Data Science and Advanced Analytics (DSAA-2015), IEEE Explore, 36678, 1-4, 2015 which held during October 19-21, 2015, at Paris, France.

3. J.K. Sahoo and Mayank Goel, Proceedings 4th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM'2015), 5-9, 2015 which held during December 8-9, 2015, at Kuala Lumpur, Malaysia.

4. G. C. Samanta: Five dimensional mesonic string cosmological models, 4th Int'l Conference on Advances in Engineering Sciences & Applied Mathematics (ICAESAM'2015), Dec. 8-9, 2015, Kuala Lumpur (Malaysia).

5. Tarkeshwar Singh, Manoj Kumar Singh and Dharm Raj Singh, A hybrid heuristic algorithm for Euclidean traveling salesman problem, IEEE Proc. International Conference on Computing, Communication and Automation (ICCCA 2015) (2015), pp. 767-772.

6. S. Arumugam, T. Singh, Veeky Baths and M. Indumathi, Graph theoretic concepts in the study of biological networks Accepted in Springer (Nov. 2015).

P. Dhanumjaya

1. UGC Sponsored National Level Conference on Applied Mathematics: Numerical Analysis, Algebra and Computational Mathematics held at Gudleppa Hallikeri Degree College, Haveri, Karnataka State during 30-31 January 2015.

Title of the talk: Orthogonal Cubic Spline Collocation Methods for one-dimensional Helmholtz equation with discontinuous data.

2. International Conference on Computational PDE-2015 held at TIFR-CAM, Bangalore during 21-23 December 2015.

Title of the talk: Orthogonal Cubic Spline Collocation Methods for the Helmholtz Equation with Discontinuous Coefficients.

Jessica Pereira

1. Jessica Pereira, Singh T., Arumugam S., On (k, d) -hooked Skolem graceful graphs, National conference on discrete mathematics and its applications, organized by department of mathematics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, July 15-17, 2015.

Bijil Prakash

1. “Numerical solution and error analysis of Fredholm integro-differential equations using Legendre and Block pulse functions”, In 4th Annual International Conference On Computational Mathematics, Computational Geometry & Statistics(CMCGS 2015), held in Singapore from 26th to 27th January 2015 .

J. K. Sahoo

1. Presented a paper entitled Estimation of Learning Function from Sparse Data Using Optimization Technique at 4th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM'2015) during December 8-9, 2015, Kuala Lumpur, Malaysia.

G. C. Samanta

1. International conference attended at Saha Institute of Nuclear Physics, Kolkata from 28th Jan-2015 to 30th Jan-2015 for paper presentation.

Title of the paper: Geometry of the universe described by wet dark fluid in $f(R, T)$ theory of gravity.

2. 4th International Conference on Advances in Engineering Sciences and Applied Mathematics (ICAESAM' 2015) attended at Kuala Lumpur (Malaysia), Dec. 8-9, 2015 for paper presentation.

Title of the paper: Five dimensional mesonic string cosmological models.

Amit Setia

1. The paper entitled “Numerical solution of Cauchy singular integral equation with an application to a crack problem” is presented at the conference “The seventh international conference on Dynamic systems and applications & The fifth international conference on Neural, parallel, and scientific computations” held at Atlanta, U.S.A., MAY 27 - 30, 2015.

2. **The paper entitled** “Numerical solution of fourth order fractional integro-differential equation by using Legendre wavelets” is presented at the conference “The seventh international conference on Dynamic systems and applications & The fifth international conference on Neural, parallel, and scientific computations” held at Atlanta, U.S.A., MAY 27 - 30, 2015.

Anil Kumar

1. Participated in 8th International congress on *Industrial Congress and Applied Mathematics* (ICIAM-2015) held at China National Convention Center Beijing, China from August 10 to August 14, 2015.

Authors	Title of Paper	Conference Name	Location	Date, Month and Year
Sachin Waigankar and Girish Chandran	Effect of Fumed Silica Nanocomposites on Linear Low Density Polyethylene (LLDPE) used for Rotational Moulding of Plastics	35th Australian Polymer Symposium	Royal Academy of Chemical Engineers, Australia	12-15 July 2015
Kiran C.P. and Shibu Clement	X-abilities and attributes based decision making in evaluation and selection of a turbine blade material	ICMIE 2015	Singapore	21st-23rd March, 2015
Gaurav Singh	Superiority of triangular lattice in ductile-reinforced brittle structures	International Conference on Fatigue, Durability and Fracture Mechanics	IISc Bengaluru	28th-30th May, 2015
Gaurav Singh	Underestimation of crack growth rate due to negligence of timescale effect during transient hydrogen cracking	60th Annual Congress of the Indian Society of Theoretical & Applied Mechanics	MNIT Jaipur	16th-19th December, 2015
Samarth Mathur, Ayush Raizada, Pravin Singru and Radhika Vathsan	Experimental acoustic analysis of Saraswati Veena	17th National and 2nd International conference on Machines and Mechanisms, 2015	IIT Kanpur	16th-19th December, 2015

PravinSingru, AyushRaizada and Vishnuvardhan Krishnakumar	A study of various methods for system identification of continuous systems	17th National and 2nd International conference on Machines and Mechanisms, 2015	IIT Kanpur	16th-19th December, 2015
Vishal V. Patil, Ranjit S. Patil	Influence of Addition of Butanol in Neem Seed Oil Methyl Ester Diesel Blend In A Diesel Engine	17th ISME Conference on Advances in Mechanical Engineering, IIT Delhi, 3rd-4th October 2015.	IIT Delhi	3rd-4th October 2015.
R. Jain, M. Dasar, P. A. Kulkarni, R. S. Patil	Investigation on Fluid Dynamic Characteristics of Square Barrel Wall Fins on Efficiency of A Cyclone Separator	5th International Conference on Advances in Energy Research (ICAER 2015), IIT Bombay, 15th-17th December, 2015	IIT Bombay	15th-17th December, 2015
V. V. Patil, R. S. Patil, G. Karthikeyan	Experimental Investigations on Rubber Seed Oil Methyl Ester by Varying the Load Conditions and Compression Ratio in a Diesel Engine	5th International Conference on Advances in Energy Research (ICAER 2015), IIT Bombay, 15th-17th December, 2015	IIT Bombay	15th-17th December, 2015
V. V. Patil, R. S. Patil	Effects of Partial Addition of Butanol in a Rubber seed Oil Methyl Ester Diesel Blend	5th International Conference on Advances in Energy Research (ICAER 2015), IIT Bombay, 15th-17th December, 2015	IIT Bombay	15th-17th December, 2015
Vishal V. Patil, Ranjit S. Patil, G. Karthikeyan	Effect of Addition of Butanol in Sunflower Oil Methyl Ester Diesel Blend in a Diesel Engine	23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, ISRO Thiruvananthapuram, 17th-20th December, 2015.	ISRO Thiruvananthapuram	17th-20th December, 2015.

Ranjit S. Patil, PinakeswarMahanta, Vishnu Kumar	Experimental Investigations on Drying in Rotary Fluidized Bed With Static Geometry	23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, ISRO Thiruvananthapuram, 17th-20th December, 2015.	ISRO Thiruvananthapuram	17th-20th December, 2015.
PL.Ramkumar, AnuraagRameshb, ParamPrabhuAlvenkarc, NekiPateld	Prediction of heating cycle time in Rotational Moulding	4 th international confrence on material processing and characterization (ICMPC 2015), Hyderabad	Hydrabad	14-15 March, 2015
Kulkarni A C &Kulkarni D M	Wear Depth Distribution at Articulating Surfaces of Hip Prosthesis using Non-Contact Interferometer	International Conference on Biomechanics and Implant Design	Florida, USA	July 27-29, 2015
Keya Ghonasgi, KalpitBakal, Kiran D. Mali	A Parametric Study On Free Vibration of Multi-Perforated Rectangular Plates	The 12th International Conference on Vibration Problems (ICOVP- 2015)	IIT Guwahati	14-17 December, 2015
Rohit S. Lad, Nishant R. Chokhani, Anish D. Shah, and Kiran D. Mali	Effect of Added Patches of Mass on Free Vibrations of A Thin Homogeneous Rectangular Plate	The 12th International Conference on Vibration Problems (ICOVP- 2015)	IIT Guwahati	14-17 December, 2015

1. Spin Hall Effect Measurement Techniques, Dhavala Suri and R. S. Patel, poster presented at Workshop on current Trends in Frustrated Magnetism, organized by ICTP Italy and JNU New Delhi at JNU New Delhi, February 2015.

2. Workshop on High Energy Physics Phenomenology(WHEPP)-XIV during the period 3rd December,2015-14th December,2015.

1. Prasanta Kumar Das was invited by the Physics department,Indian Statistical Institute,Kolkata in May, 2015 to give a talk over there based on his recent work on "Noncommutative phenomenology".

2. Tarun Kumar Jha, Invited Talk on the WORKSHOP on "Light from the dark side of the Universe", BHU, Varanasi (17 - 20 March, 2015).

3. Tarun Kumar Jha, Invited talk delivered at the Nuclear Physics Meet, Institute of Physics, Bhubaneswar; (26 - 30 June, 2015).

4. R. S. Patel [Invited Speaker] Tunneling Magnetoresistance with Thin Hexagonal Boron Nitride Barriers. A cluster of topical meetings on Current Trends in Condensed Matter Physics, National Institute of Science Education and Research (NISER), Bhubaneswar. February 19 - 22, 2015.

5. E. S. Kannan, Invited Guest Lecture, PSGR Krishnamaal College of Women, Pelamedu, Coimbatore on September 3rd, 2015. Topic: Nanotechnology - Lessons from Nature.

Authors	Title	Details of the conference	National/International	Year
Shivani Gupta and Suman Kapur	Bio prospecting of un-explored marine sources for production of HMG Co-Reductase Inhibitor	9th American Biotechnology Congress being held from Aug. 31-Sept. 02, 2015, Orlando, FL, US	International	2015
Suman Kapur	Epidemiology in Health care Management	22-24 th December ICHTR at Manipal University	International	2015
Suman Kapur	Turning research into tools: Emerging Technology Platforms in Point of care Diagnostics	Industry Institute Conference on Challenges in Product Development of Medical Implants and Devices at IEST Shibpur in December 18-19 th , 2015	National	2015
Suman Kapur	RightBiotic: A point of Care (POC) device for detection of antibiotic sensitivity in uropathogens	Conference on social innovation, Pune International Centre 17 th Nov 2015, Pune	National	2015
Suman Kapur	RightBiotic: A point of Care (POC) device for detection of antibiotic sensitivity in uropathogens	Indo-UK workshop on Anti-microbial Resistance held at Delhi on 8-10 th October 2015	International	2015
Suman Kapur	Turning research into tools: Emerging Technology Platforms in Immuno-diagnostics & Therapy	EVIOC held at Mahabalipuram from 15-16th September 2015	International	2015
Manjyot Kaur, Rupak Kumar, DV Padmavathi, Shivani Gupta, Anuradha Pal and Suman Kapur,	Bacterial Strains for Morpholine Degradation: An Adaptation and Screening Strategy	International conference on Advances in Agricultural, Biological and Environmental Sciences (AABES-2015) held on July22-23rd, in London (GBR)	International	2015
Sonia Suchday, Suman Kapur, Sribash Saha, Carlos Marquez, Amina Benkhokha, and Natasha Ramanayake,	Psychological profile of urban adolescents with elevated blood pressure in India,.	American Psychosomatic Society meeting in Texas in March 2015	International	2015

S. Gurjar, M. Mahajan, S. Kapur,	Triphala and its constituents alters gut microbiota in high fat diet induced obese mice,	2nd International Congress of Society for Ethno-pharmacology, India, held in Nagpur in February 2015	International	2015
Daipayan Ghosh, Sridev Mohapatra	PGPR-mediated modulation of proline metabolic gene expression in arabidopsis thaliana under drought stress	International Plant Physiology Conference held at New Delhi from 11 th -14 th December 2015	International	2015
Sharma P and Narayan KP	Eplerenone associated liposomal delivery system for targeted induction of apoptosis and inhibition of metastasis	14th FAOBMB Congress and 84th Annual Meeting of SBC (I) Current Excitements in Biochemistry and Molecular Biology for Agriculture and Medicine,Hyderabad, India 27 – 30. 2015	International	2015
Ravichand Palakurti, Ramakrishna Vadrevu	Abelson Tyrosine Kinase, a new Enzyme target for Alzheimer's Disease: Exploring multiple e-pharmacophore modeling, virtual screening, selectivity assessment for potential inhibitors	The 29 th Annual Symposium of The Protein Society, Barcelona, Spain, July 22-25	International	2015
Ramakrishna Vadrevu, Jagadeesh Gullipalli, Rajashekar Kadumuri, Srividya Subramanian Koushik Chandra, Hanudutta Atreya	Molecular crowding effects on the native and equilibrium intermediate state of a 29 kDa TIM Barrel protein	The 29 th Annual Symposium of The Protein Society, Barcelona, Spain, July 22-25	International	2015
G. Jagadeesh, K. Raja Shekar Varma & Ramakrishna Vadrevu	Consequences of crowding on the native and equilibrium intermediate state of a 29 kDa TIM barrel protein	Gordon Research Conference, Holderness NH United States June 14- 19	International	2015

U. Sita Ramyasri & Jayati Ray Dutta	Microbial Lipase mediated ester synthesis for its industrial application	2 nd International Conference and Exhibition on Biotechnology, (BRIGHTICE), Leonia, Hyderabad, Aug, 3-4	International	2015
Debashree Bandyopadhyay	Cystine Functions cluster around similar micro-environment clusters from diverse protein crystal structures	European Biophysical Society Meeting (EBSA2015), Dresden Germany, 18 th to 22 nd July, 2015	International	2015
Akshay Bhatnagar and Debashree Bandyopadhyay	Microenvironment based functional preferences of Cystine residues in high resolution protein crystal structures	Indian Biophysical Society Meeting, February 14 th to 17 th , 2015, New Delhi, India	National	2015
R. Raut, H. Beesetti, P. Tyagi, I. Khanna, S. K. Jain, V. U. Jeankumar, P. Yogeeswari, D. Sriram and S. Swaminathan	A small molecule inhibitor of dengue virus type 2 protease inhibits the replication of all four dengue virus serotypes in cell culture	SIPRA 2015-National Symposium on Innovative Pharma Research, July 2, 2015, SIPRA Labs, Hyderabad	National	2015
R. Sood, N. Khanna and S. Swaminathan	Search for dengue drugs.	4 th Mol. Virology Meeting, April 16-17, 2015, Rajiv Gandhi Centre for Biotech.	National	2015

		Thiruvananthapuram, Kerala		
K. Naga Mohan, G. Kavitha, S. Sonal, V. Bhavyasri, A.L. Beaudet and J.R. Chaillet	Unusual DNA methylation signatures and transcriptional activity of the BCOR locus in the human active X chromosome	Keystone symposium on DNA Methylation, March 29-April 3 15, Keystone, Colorado	International	2015
Siva Prasad Bitragunta Sankar Ganesh Palani	Effect of TiO ₂ nanoparticles on trace element homeostasis: An inquiry into metallomics in earthworm, <i>Eisenia foetida</i>	4 th Young Environmental Scientists Meeting, Petnica Science Centre, Belgrade, Serbia, Europe, 2015	International	2015
B. Siva Prasad, P. Sankar Ganesh	TiO ₂ nanoparticle induced cytotoxicity & genotoxicity in earthworm coelomocytes: Effects on trace metals, antioxidant enzymes and DNA	National Conference on Natural Therapeutics for Cancer, Diabetes and Renal Diseases, Visakhapatnam, 2015	National	2015
B. Siva Prasad, P. Sankar Ganesh	An integrated analytical approach to monitor TiO ₂ nanoparticles in sewage water: An early warning for safety assessment of engineered nanomaterials in aquatic environment	102 nd Indian Congress, Mumbai, India, Jan-2015	National	2015
C.N.Rahul, Shiva Krishna K, Vidya Rajesh	Structural modelling of Plasmodium vivax blood stage Serine Repeat Antigens (PvSERA)	CIDSCON 2015 - 5th Annual Conference of Clinical Infectious Diseases Society, ND, 21 st -23 rd Aug. 2015	National	2015
Manasi, Vidya Rajesh, N. Rajesh	A graphene oxide microbe combination as an effective adsorbent for the remediation of zinc	Int. conference on Frontiers in Biol. Sc., NIT, Rourkela, 22 nd - 24 th Jan. 2015	International	2015
T.Sathvika, Vidya Rajesh, N. Rajesh	A novel fungal biopolymer combination as an adsorbent for effective removal of hexavalent chromium	International conference on Frontiers in Biol. Sc., NIT, Rourkela, 22 nd -24 th January 2015	International	2015
R. Raut, H. Beesetti, P. Tyagi, I. Khanna, S. K. Jain, V. U. Jeankumar, P. Yogeewari, D. Sriram, S. Swaminathan	A small molecule inhibitor of dengue virus type 2 protease inhibits the replication of all four dengue virus serotypes in cell culture	SIPRA 2015-National Level Symposium on Innovative Pharma Research, July 2, 2015, SIPRA Labs, Hyderabad	International	2015

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2. Chandrakala K, Shubham Mishra, Sakshi Khandelwal, Pushkar Prasun, Karthik Chetan, R.B. Adusumalli. Nanoindentation Studies on Human Hair Fibers. Chemference 2015, 5-6 December, 2015, IIT Hyderabad.
3. Jakob Schwiedrzik, Rejin Raghavan, Markus Rüggeberg, R.B. Adusumalli, Johann Michler, Tanja Zimmermann. Identification of In Situ Lignin Strength Based on Micropillar Compression and Micromechanical Modeling of Wood Cell Walls. Nanomechanical Testing in Materials Research and Development. An ECI Conference Series, October 4-9, 2015, Albufeira, Portugal.

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 5. Kumar Gaurav, Prashant Sharma, Garv Malik, Shivani Surisetty S V, R.B. Adusumalli, Murari R. R. Varma. Study of Suspended Particulate Matter in an Educational Institute in Suburban Region, India. Proceedings of the International Conference on Advances in Chemical Engineering, NITK Surathkal, Karnataka, India, Dec 20-22, 2015
 6. Madhuri. P, Nikhil Sainath V, Bipin Chakravarthy, R.B. Adusumalli. Characterization of Subabul Heartwood & Sapwood after Kraft Cooking. Proceedings of the International Conference on Advances in Chemical Engineering, NITK Surathkal, Karnataka, India, Dec 20-22, 2015.
 7. D.Purnima, Sai Sushma Illuri. Coir as impact modifier in Polypropylene: A comparative study between PP/EPDM blends and PP/Coir Composites. Proceedings of International Symposium on Polymer Science and Technology, Indian Association of Cultivation Science, Kolkata, India, Jan 23-26, 2015.
 8. D.Purnima, Sagarika Talla. Thermal Properties of Polypropylene hybrid composites. Proceeding of Fourth International Conference on Natural Polymers and Biomaterials (ICNP 2015), Mahatma Gandhi University, Kottayam, Kerala, 10-12 April 2015.
 9. B Sreenivasulu, I Sreedhar, K V Raghavan, B Mahipal Reddy. High Temperature Carbon Capture using Limestone doped with Flyash. SusChemE - an International Conference, ICT Mumbai, Oct 2015.
 10. B Sreenivasulu, K V Raghavan, I.Sreedhar. Sustainable Carbon Capture-Research Status and Challenges. Carbon Capture Utilization and Storage Workshop, IIT Mumbai, June 2015.
 11. B. Sreenivasulu, J Deepika, I Sreedhar, K V Raghavan. A Critical Review on the Advances in the Materials for Carbon Capture, National Conference - Chemix 2015, NIT, Nagpur, March 28-29, 2015.
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 13. Sashank Srinivasan, V. K. Surasani. CFD Analysis of Effect of Surface Fouling on Wind Turbine Airfoil Profiles. International Conference on Energy Systems and Developments (ICESD2015), February 11-13, 2015, Pune, India.
 14. Trishishi Raychoudhary, V. K. Surasani. Retention of surface modified-NZVI particle in porous media and its implication: Assessment with the help of 1-D transport model. 7th International Conference on Porous Media and Annual Meeting, 18-21 May, 2015, Padua, Italy.
 15. Appala Naidu Uttaravalli, Srikanta Dinda. Synthesis of Resin from Cyclohexanone for Adhesive Applications. IISF-2015, 4-8 December, 2015, IIT Delhi.
 16. Srikanta Dinda, Nikhil S. Reddy V., Appala Naidu U. Development of bio-based epoxide from plant oil. Proceedings of the International Conference on Advances in Chemical Engineering, Dec 20-22 December-2015, NITK Surathkal, India.
 17. Appala Naidu U., Srikanta Dinda, Pravallika K. Studies on Synthesis of Ketonic Resin from Cyclohexanone for Paint Applications. APA 2015, 29-31 October 2015, pp-116, Rajkot, India.
- M.Barathi, A.S.K. Kumar, N.Rajesh, A macroporous polymeric adsorbent impregnated with Al₃₊ for effective fluoride adsorption, International conference on green chemistry, catalysis, energy and environment, 22-24 January 2015, Goa University
 - T.Manasi, V.Rajesh, N.Rajesh, A Graphene Oxide-microbe combination as an effective adsorbent for the remediation of zinc, 2nd International Conference on Frontiers in Biological Sciences (InCoFIBS-2015), 22-24 January 2015, NIT Rourkela
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 - Shivani Sharma, N. Rajesh, Chitosan grafted β -cyclodextrin as an efficient adsorbent for palladium and its application in catalyst recovery, BRNS-AEACI symposium on current trends in Analytical Chemistry (CTAC 2015) 26-29 May 2015, BARC, Mumbai
 - Shivani Sharma, N.Rajesh, Graphene oxide-sulfur ligand combination to study the adsorption of palladium from spent catalyst, International conference on Nascent developments in chemical sciences, BITS Pilani, 16-18, October, 2015, Pilani.
 - T.Sathvika, Manasi, Vidya Rajesh, N.Rajesh, Rhizobium species immobilized in MWCNT for effective adsorption of chromium, National conference on new frontiers in chemistry (NFCFA 2015) 18-19, December, 2015, BITS Pilani, KK Birla Goa campus
 - Ranga Santosh, Subhas Ghosal and Krishnan Rangan, Heteroleptic Ruthenium Complex – Synthesis, Characterization and Spectroscopic Studies, Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration" (NDCS-2015), October 16-18, 2015, BITS Pilani, India.
 - Krishnan Rangan, V. R. Pooja, Synthesis and characterization of oxalato bis (phenanthroline) nickel(II) complex, 17th CRSI Symposium & 9th CRSI-RSC Symposium in Chemistry, February 5-8, 2015, NCL, Pune, India.

- M. Sai Sudhakar, T. Vikramaditya and K. Sumithra, Electronic Structure Calculations of Linear and Cyclic Isothianaphthenes, International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration, Electronic Structure Calculations of Linear and Cyclic Isothianaphthenes, NDCS-2015 16-18 October 2015
 - K. Sumithra attended the conference Physical and Biophysical Chemistry Theory and Experiment (PBCTE 2015) organized by Department of Chemistry, IIT Bombay. December 4-6, 2015.
 - Manab Chakravarty "Acid Mediated Synthesis of 1-Naphthyl(aryl)methylphosphonates: New Source for Naphthylarylketones" International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015) October 16-18, 2015
 - Ravikiran Nagarjuna, Swapna Challagulla, Ramakrishnan Ganesan and Sounak Roy, 'Polymerizable sol-gel synthesis of reduced graphene oxide/TiO₂/Zeolite-4A, its characterization and photodegradation of methylene blue' International Conference on Nascent Developments in Chemical Sciences (NDCS), conducted by BITS Pilani, Pilani Campus in 2015.
 - Swapna Challagulla, Ravikiran Nagarjuna, Ramakrishnan Ganesan and Sounak Roy, 'Highly efficient and recoverable TiO₂/Fe₃O₄ **catalysts** for photoreduction of Cr(VI) ions in aerobic environment', National Conference on New Frontiers in Chemistry - From Fundamentals to Applications, conducted by BITS Pilani, Goa.
 - Ramakrishnan Ganesan, Invited oral presentation on 'Sol-gel based direct nanoimprinting of oxides – A universal approach!' by in National Conference on Chemistry of Chalcogens, organized by Defence Institute of Advanced Technology (DIAT), Pune in 2015. Campus in 2015.
 - S. Pawar, M. Akula, S. Labala, Vamsi K. Venuganti, A. Bhattacharya and A. Nag, "Surfactant sensitized fluorescence sensing of Zn²⁺ in water and its application in bioimaging" in the "17th CRSI National Symposium in Chemistry" held at National Chemical Laboratory-Pune, India in February, 2015.
 - Durba Roy, **Disulfide Scrambling** in Neurotoxic Peptides" at the 5th Indian Peptide Symposium at JNCASR, Jakkur, Sept 24-25, 2015.
 - Yadagiri Thigulla, Mahesh Akula, Balaram Ghosh and Anupam Bhattacharya, "Synthesis and anti-cancer activity of 1, 4-disubstituted imidazo[4, 5-**c**]quinolines", International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015), BITS-Pilani, Pilani, October 16-18, 2015.
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 2. Dhruv Sood. Digambar Kumbhar, and P. N. Rao, Flexural Testing of Fly ash based Cement Composite Panels Reinforced with Varying Number of Mesh Layers, UKIERI concrete congress, 2-5 November 2015, NIT, Jalandhar, India
 3. Manjeeth Kolli, Shiva Kumar Patlolla and Neelakanteswarar Rao Paturu "An experimental **Investigation on** Engineered Cement Concrete reinforced with Glass and Recron-3s Fibers", International conference on Innovations in Structural Engineering, 14-16 December, 2015. Organized by Osmania University, Hyderabad.
 4. Dhruv Sood. Digambar Kumbhar, and P. N. Rao " An Experimental study on Fly- ash based self-compacting Ferro cement Concrete", International conference on Innovations in Structural Engineering, 14-16 December, 2015. Organized by Osmania University, Hyderabad.
 5. K.Srinivasa Raju and D.Nagesh Kumar, Application of Data Envelopment Analysis for Ranking of Irrigation Subsystems, HYDRO 2015 International, 20th International Conference on Hydraulics, Water Resources and River Engineering, December 17-19, 2015, Roorkee, India, HYD-338.
 6. K.Srinivasa Raju, D.Nagesh Kumar, Fuzzy Approach to Rank Global Climate Models, 5th International Conference on Fuzzy and Neural Computing (FANCCO 2015), December 17-19, 2015, Hyderabad, India.
 7. V.Swathi, Sai Veena, K.Srinivasa Raju, Urban Growth Simulation: A Case Study, Proceedings of 2nd Two Day National Conference on Water, Environment and Society (NCWES), July 30-31, 2015, Hyderabad, India, pp. 612-616.
 8. D.V.Morankar, K.Srinivasa Raju, A.Vasan, Optimal Integrated Water Resources Management for Khadakwasla Complex Reservoir, Proceedings of i-Manager's International Conference on Engineering and Technologies (IICET 2015), April 10-11, 2015, Trivandrum, India, pp.101-106.
 9. Tripathi, Satyendra and A Vasan, *Social Equity Impacts of Optimal Water allocation for Irrigation Management: Drivers and Implications*, Proceedings of the International Conference on Managing Critical Resources: Food, Energy and Water organized by the Centre for Development and Environment Policy (CDEP), Indian Institute of Management Calcutta, Kolkata, India, April 9-11, 2015.
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 12. K., Rajitha; M.M, Prakash Mohan; Varma, Murari R.R, Effect of cirrus cloud on normalized difference Vegetation Index (NDVI) and Aerosol Free Vegetation Index (AFRI): A study based on LANDSAT 8 images, *Advances in Pattern Recognition (ICAPR)*, 2015 Eighth International Conference on , vol., no., pp.1,5, 4-7 Jan. 2015. <http://dx.doi.org/10.1109/ICAPR.2015.7050710>
 13. Kumar Gaurav, Prashant Sharma, Garv Malik, Shivani Surisetty S V, R.B. Adusumalli and Murari R. R. Varma *Study of Suspended Particulate Matter in an Educational Institute in Suburban Region, India* Proceedings of the International Conference on Advances in Chemical Engineering, NITK Surathkal, India – Dec 20-22, 2015
 14. Raychoudhury, T., Sursani, V. K, Retention of surface modified-NZVI particle in porous media and its implication, Interpore, 7th International conference on porous media, May 18-21, Padova, Italy.
 15. Sarana Hasanth K, Vasana A, Kalyana Rama J S, *Optimizing the strength characteristics of Self Compacting Concrete using ANN and Genetic Algorithm*, UKIERI Concrete Congress 2015, NIT Jalandhar, Nov 2-5, 2015.
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 18. Arkamitra Kar, Indrajit Ray, Udaya B. Halabe, Avinash Unnikrishnan, and Ben Dawson-Andoh, MICROSTRUCTURAL CHARACTERIZATIONS OF ALKALI-ACTIVATED FLY ASH AND/OR SLAG BINDER SYSTEM, UKIERI CONCRETE CONGRESS, Nov 2 - 5, 2015. Place: NIT Jalandhar, Punjab, India.
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 - Muthukumaran Kasinathan, Akhila Rallapalli and Neti Lalita Bhanu Murthy, "Impact of feature selection techniques on bug prediction models", ISEC'15 Proceeding of 8th **India software engineering conference**, pages 120 – 129, Feb 18-20, 2015, Bangalore, India.
 - D Radha Rani and G Geethakumari, "An Efficient Approach to Forensic Investigation in Cloud Using VM Snapshots", Proceedings of the IEEE International Conference on **Pervasive Computing (IEEE ICPC 2015)**, January 8 – 10, 2015, India, Proceedings in IEEE Explore.

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 - **S. Saibharath** and G Geethakumari, "Cloud Forensics: Evidence Collection and Preliminary Analysis", Proceedings of the IEEE International Advanced Computing Conference, IEEE IACC 2015, June 12-13, 2015, India.
 - S. Saibharath and G Geethakumari, "Pre processing of **Evidences from Cloud components for effective forensic analysis**", Proceedings of the Fourth IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015, August 10-13, 2015, India. (Received the Best Paper Award)
 - BKSP Kumar Raju and G Geethakumari, "A Trigger based Introspection Approach for Cloud Incident Handling", International Journal of Big Data Intelligence (IJBDI), Inderscience Publishers, 2015.
 - K.P Krishna Kumar and G Geethakumari, "Information Diffusion **Modelling to Counter Semantic Attacks in Online Social Networks**", Proceedings of the Ph.D. Forum of IEEE ADCOM 2015 International Conference, September 18 – 20, 2015, India. Proceedings to appear in the IEEE Explore.
 - Dr. G. Geethakumari, Tutorial Speaker at the IEEE ICACCI 2015 International Conference, 10- 13 August, 2015.
 - Digambar Powar and G Geethakumari, "Digital Forensic Architecture for Cloud Computing Systems: Methods of Evidence Identification, Segregation, Collection and Partial Analysis", **Accepted at the Third International Conference on Information systems Design and Intelligent Applications-INDIA-2016**. Proceedings in the "Advances in Intelligent Systems and Computing (AISC) series" Springer.
 - Agrima Srivastava and G Geethakumari, "Determining **privacy utility trade-off** for Online Social Network data publishing", Proceedings of the IEEE INDICON 2015, December 17 – 20, 2015, India. Proceedings to appear in the IEEE Explore.
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 - Prof. M. Anand Narasimhamurthy, Mining massive databases for computation of scholastic indices - Model **and Quantify 'internationality'** of peer-reviewed journals: A Technical Report--Gouri Ginde, Snehanshu Saha, Chitra Balasubramaniam, Harsha R.S, Archana Mathur,BS Dayasagar, Anand M N; 4th national Conference on Scientometrics and Internet Of Things(SIoT), pp 1-26, September 2015.
 - Ms. Prafulla Kalapatapu, U.Dubey, Aruna.M. "Playlist generation based on user perception of songs" in proceedings of IEEE International Conference on Signal processing and communication engineering systems (SPACES' 15), with IEEE Catalog Number: **CFP1568Z-ART** ISBN: 978-1-4799-6109-2 (pp. 44-47), January , 2015, KLU.
 - Krishnamurthy Padmanabhan, Tejas Nagendra, Dr. Aruna Malapati, Suresh Gokarakonda, "Video Analytics using Apache Spark", Third International Conference On Business Analytics and **Intelligence, Indian Institute of Management Bangalore** 17th to 19th December 2015
 - Prof. Ch. Hota, attended Intel India Academic Forum (IAF 2015) at New Delhi during Oct 8th-9th, 2015. This year's IAF theme was on Internet of Things, Bigdata analytics, and Cyber security.
 - Dr. G. Geethakumari, 4th International Conference on Big Data Analytics-2015, December 15-18, 2015, India.
 - Ms. Prafulla Kalapatapu, attended workshop on selected topics in Data Sciences (STCDS-2015) at NIT Rourkela, from Dec 14 to Dec 17, 2015.
 - Ms. Prafulla Kalapatapu, participated and presented research work in International wide Data Science researchers Meet-up conducted at NIT, Rourkela on Dec 18, 2015.
1. Paper presented by Dr Runa Kumari in IEEE Applied Electromagnetics Conference, AEMC- 2015, IIT Guwahati, India, 18-21 Dec. 2015.
 2. Paper presented by Dr. Prasant Kumar Pattnaik in CLEO-PR-2015 Conference during 24-28 Aug 2015 at Busan, South Korea.
 3. Young Ho Kim, Bong Keun Kang, Sung Suk Oh, Jong-ryul Choi, Sanket Goel, Jeong-Woo Sohn,

Preparation and characterization of pH sensing hydrogel microarrays with PEG/MMT Nanocomposites, for Nano S&T conference to be held in Xian, China during September 24-26, 2015.

4. Venkateswaran Pedinti Sankaran, Abhishek Sharma, Ajay Agarwal and Sanket Goel, 3D Printed Lab-on-a-chip Microviscometer for various Biochemical Applications, accepted for oral presentation at 15 IEEE International Conference on Environment and Electrical Engineering, held in Rome, Italy, 10-13 June 2015.

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2. C H Yaganti and B Kamaiah "Hedging using cointegration and Hedging Effectiveness of Futures Markets, 21st Biennial Conference 2015-AIEFS held at University of Hyderabad, Aug 03-04, 2015.

3. Swati Alok, "A study of Lean Adopting Practices among Indian Manufacturing Employees: A Case study at **Awarpur Cement Works**", International Conference on Evidence Based Management (ICEBM) at BITS-Pilani, Pilani Campus, March 20-21, 2015

- Arup Maharatna presented a paper titled 'On the Perils of Reforms in Higher Education on the Neo-Liberal Lines' at the International Seminar on Financing of Higher Education organized by National University of Educational Planning and Administration, New Delhi during 23-25 February, 2015.

- Sunny Jose presented a paper on "Is Female Empowerment a Measurable Concept?: A Review of Empirical Studies from India" in a seminar on Demographic Challenges in India: Current Scenario and Future Direction, organized by Institute of Economic Growth, New Delhi on 9th July 2015.

- Santosh Kumar Mahapatra presented a paper on 'Assessment Literacy: addressing local needs' at Localization of Teaching and Testing in Hindi and other Indian Languages - a national conference organized by National Testing Services, Central Institute of Indian Languages and Department of Linguistics, Banaras Hindu University in November 2015.

- Santosh Kumar Mahapatra presented a paper on 'Using web 2.0 tools for teacher professional development: a case study'. At the Fifth International Teacher Educators Conference, organized by British Council in Hyderabad (February-March 2015).

- Santosh Kumar Mahapatra presented a paper on 'Michael West's Bilingualism and His Teaching Materials: An Evaluative Study'. at the One-day Symposium on the Historiography of English Education in India conducted by the Centre for English Language Studies, University of Hyderabad (January 29, 2015)

- Aruna Lolla presented a paper on "The Effect of the Mantras on the Human Mind, Personality and Life" at the 2nd Annual International Conference on Humanities & Arts in a Global World at Athens, Greece, 3-6 January 2015.

- Biswanath Dash presented a paper on "Early Warning System and Last Mile Connectivity: A Case Study of Cyclone Hudhud" in the Second World Conference on Disaster Management held at Anna University, Visakhapatnam 19-21st November 2015.

- Srinivas Sajja presented a paper on 'Structural Empowerment and Democratic Decentralisation: Case studies from Telangana' in RC 03 Economy, Polity and Society, 41st All India Sociological Conference, organized by Indian Sociological Society at KIIT University, Bhubaneswar, Dec.27-29, 2015.

- Sunny Jose presented (an invited) paper on "*Inequality in Nutrition in India*" in a national workshop on "Inequality in India" organised by the Institute for Sustainable Development and Governance, Trivandrum, Centre for Budget and Governance Accountability, New Delhi and Oxfam India, 28-29 January 2015.

- Maya Vinai presented a paper on 'Negotiating faith and culture: Lives and world-view of boatmen in Banaras' in a seminar titled "Framing India through Perspectives from Elsewhere" at Indian Institute of advanced Studies (IIAS), Shimla on 27-29 July, 2015.

- Maya Vinai presented a paper titled 'Challenging Matrilineal Identities Lost in Space and Time: A cross examination of Kerala women through the representations from selected Indian English Fiction' at the National Conference organized by IIT-Roorkee and Sahitya Academy, 21-22 March, 2015.

- Maya Vinai presented a paper titled 'Re-Imagining the narratives of the Gulf Diaspora in Literature' at the 15th Annual South Asian Literary Association Conference, Vancouver, B.C, Canada, 6-8th Jan, 2015.

- Samuel Tharu presented a paper on "Constitutional and operational Challenges posed by NCTC" at the International conference on "Federalism and Governance in a Globalising World: Issues and Challenges" University of Delhi, 23rd February 2015.

- Samuel Tharu presented a paper on "Human rights aspects of counter terrorism" at a National seminar on "Human rights in the 21st Century" University of Delhi, 29th March 2015.

Conferences attended/papers presented:

- 1) R. Parameshwaran, Y.V.D. Rao, "Fluid-structure interactions and flow induced vibrations: A review", 12th International Conference on Vibration Problems, IIT Guwahati, December 2015 (Accepted)
- 2) **Prashant Kumar Pattnaik**, Y.V.D. Rao, Jatin Kashyap, "A novel 3D MEMS Fabrication/Micro cutting facility by Thermal Actuated MEMS device", ISSS National Conference on MEMS Smart Materials, Structures and Systems September 23-25, 2015, Kochi, India.
- 3) **Swagatika Mohanty**, **Srinivasa Prakash** Regalla & Y.V.D. Rao. "Multi-stage and Robot Assisted Incremental Sheet Metal Forming: A Review of the State of Art and Comparison of Available Technologies", AIR '15, July 02 - 04, 2015, Goa, India.
- 4) Kotkunde, N., Madhava P.T., **Abhijeet A. and** Gupta, A.K., (2015), "Experimental and numerical study of formability for EDD steel", 4th International Conference on Materials Processing and Characterization (ICMPC 2015), Mar 14-15, 2015.
- 5) Kotkunde, N. and Gupta, A.K., (2015), "Analysis of Forming Limit Diagram for Ti-6Al-4V Alloy", 4th International Conference on Materials Processing and Characterization (ICMPC 2015), Mar 14-15, 2015.
- 6) Satya Suresh V.V.N., Regalla S.P., Gupta, A.K. and Padmanabhan, G., (2015), "Weld line shift in the **case of Tailor** welded blanks subjected to differential strengths with respect to TIG and Laser welding", 4th International Conference on Materials Processing and Characterization (ICMPC 2015), Mar 14-15, 2015.
- 7) Abhishek Goyal, Jyoti Gautam and Jeevan Jaidi (2015), "A Computational Fluid Dynamics Study on Stall Controlled Wind Turbines," Global Conference on Renewable Energy (GCRE 2015) Conference, 19-21 October 2015, NIT Patna, Bihar, India. (accepted)
- 8) Sreesankaran M Namboothiri and Jeevan Jaidi (2015), "Solar Refrigeration and Air Conditioning: A Newfangled Review," Global Conference on Renewable Energy (GCRE 2015) Conference, 19-21 October 2015, NIT Patna, Bihar, India. (accepted)
- 9) Dileep M. Paul, Manjunath P, Rinu Thomas and Jeevan Jaidi (2015) "A Review on Power-To-Gas Energy Storage Technology," Global Conference on Renewable Energy (GCRE 2015) Conference, 19-21 October 2015, NIT Patna, Bihar, India. (accepted)
- 10) Manjunath P, Dileep M. Paul, Rinu Thomas and Jeevan Jaidi (2015), "Incineration: A Comprehensive Review," Global Conference on Renewable Energy (GCRE 2015) Conference, 19-21 October 2015, NIT Patna, Bihar, India. (accepted)
- 11) Nikhil T, Shreyas M, Jeevan J, Karthik Teja M, "Predicted and Measured Thermal Profiles During Friction Stir Welding Process of Aluminium-alloy," International Conference on Advances in Materials and Mechanical Engineering (ICAMME-2015), 8-9 May 2015, E.G.S. Pillay Engineering College, Nagapattinam, Tamilnadu, India. (accepted)
- 12) Aditya Shah and Jeevan Jaidi (2015), "A **Comparative** Study on Heat Transfer Enhancement using Phase-change Material: High gravity conditions vs. internal fins," International Conference on Polygeneration (ICP-2015), February 18-20, 2015, Anna University, Chennai, India.
- 13) Jithin P, Dileep M Paul, Rinu Thomas, Manjunath P and Jeevan Jaidi (2015), "District Heating: A Technological Review," International Conference on Polygeneration (ICP-2015), Anna University, Chennai, February 18-20, 2015.
- 14) Anthony Hargreaves, Vicky Cheng, Sandip Deshmukh, Matthew Leach, Koen Steemers, 'Forecasting the regional cost effectiveness of energy efficiency and decentralized supply scenarios for reducing the carbon dioxide emissions of dwellings'. Sustainable Thermal Energy Management International Conference (SusTEM2015), at Newcastle University, UK, 7-8th July, 2015
- 15) Sandip Deshmukh and Adesh Jinturkar, "Real Option Based Analysis of Renewable Energy Technology Options", International Conference on Polygeneration at Anna University, Chennai February 18-20, 2015
- 16) Kiran C.P. and Shibu Clement (2015): X-abilities and attributes based decision making in evaluation and selection of a turbine blade material, ICMIE 2015, Mar 21-23, 2015, Singapore.
- 17) Sailendu Biswal, G.R.Sabareesh, "Design and development of a wind **turbine test rig for condition** monitoring applications" IEEE International Conference on Industrial Automation and Control, Pune, India, May 2015.
- 18) Sailendu Biswal, Jithin George, G.R.Sabareesh, "Fault Size Estimation Using Vibration Signatures in a Wind Turbine Test-Rig", 12th International Conference on Vibration Problems, IIT Guwahati, December 14-17, 2015.
- 19) Nikhil T, Sagar I, Chaitanya C, Chandradas T, Sabareesh GR, "Design and Development of a Test-Rig **for Determining Vibration Characteristics** of a Beam", 12th International Conference on Vibration Problems, IIT Guwahati, December 14-17, 2015.
- 20) Swati Soni, Praveen K. Mishra, Ragamadhuri Nallam and Jeevan Jaidi, "Effect of Fin Surface Roughness and Array of Grooves on Heat Transfer Enhancement," **23rd** National Heat and Mass Transfer Conference and **1st** International ISHMT-ASTFE Heat and Mass Transfer Conference, 17-20

December, 2015, Thiruvananthapuram, India.

21) Amrita Yelikar, Ragamadhuri Nallam and Jeevan Jaidi, "Computational Fluid Dynamics Study and Validation of Rushton Turbine Impeller," 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, 17-20 December, 2015, Thiruvananthapuram, India.

22) Kshitiz Gupta, Shubham Maurya, Vikhyat Kalra and Satish Kumar Dubey, ISHMT ASTFE Conference IHMTC2015, IHMTC 2015-990, ISRO Thiruvananthapuram, India.

23) P Srinivasan and Satish K Dubey, "Internalising the External Cost of Electricity Generation- An Approach for the Economic Viability of Renewable Energy Based Power Generation. 5th International Conference on Advances in Energy Research 2015, IIT Bombay 15-17 December 2015.

1. S. K. Vishwakarma, presented paper on "On Love type wave in an anisotropic layer over an orthotropic half space" at the **7th National conference on wave mechanics and vibration**, organized by department of Applied Mathematics, ISM Dhanbad during Dec 21-23, 2015.

2. D. Ghosh, presented paper on "Newton Method for Solving Interval Optimization Problems" at the 9th International conference of IMBIC, Kolkata during Dec 21-23, 2015.

3. P. K. Sahoo, presented paper entitled "Anisotropic Bianchi type III cosmological model in $f(R,T)$ gravity" at the International Conferences on General Relativity (ICGR-2015), Dept. of Mathematics, Sant Gadge Baba Amravati University, Amravati, India, during Nov 25-28, 2015.

4. B.Mishra, presented paper entitled "Pressure Anisotropy and Dark Energy Cosmological Models in Scale Invariant Theory" at the 8th International Conference on Industrial and Applied Mathematics (ICIAM-2015), CNCC, Beijing, China during Aug 10-14, 2015.

5. J. Jagan Mohan, presented paper on "Solutions of Fractional Nabla Difference Equations - Existence & Uniqueness in " at the International Conference on Difference Equations and Applications (ICDEA - 2015)", Bialystok Institute of Technology, Poland during July 19 – 25, 2015.

6. P.T.V. Praveen Kumar, presented paper entitled "Optimization of Culture Variables for the production of a Cytotoxic Yellow Pigment from *Streptomyces Griseoaurantiacus* JUACT01 Using Response Surface Methodology" at the International Conference ICMBAA-2015, Department of Applied Mathematics, Aligarh Muslim University, India during June 4- 6, 2015.

7. A. Ramu, presented paper entitled "Similar solutions of spherical shocks waves – effect of viscosity" at the International Conference ICMBAA-2015, Department of Applied Mathematics, Aligarh Muslim University, India during June 4- 6, 2015.

1. Gaus, A., Mishra, R.K., Alokam, R., Singhal, S.M., Sriram, D., Yogeewari, P., Evaluation of 2,6-diaminopyrimidines as novel Rho kinase inhibitors using animal models of treatment of neurological disorders. 66th Indian Pharmaceutical Congress: India- Pharmacy of the World, 23-25 January 2015, Hyderabad.

2. Gangadhar, M., Alokam, R., Sriram, D, Yogeewari, P, MG2, a novel semicarbazone derivative, reduces neuropathic pain by inhibiting the expression levels of neuroinflammatory mediators. 2015 Keystone Symposia: C8: Pathways of Neurodevelopmental Disorders, 16-20 March 2015, California, USA.

3. Invited lecture: Polymeric nano-micellar systems for the delivery of chemotherapeutic drugs in cancer. Swati Biswas, International Conference on Nanostructured polymeric materials and polymer nanocomposites at Mahatma Gandhi University, Kottayam, India, November, 13-15 th November, 2015.

4. Short invited lecture: Development of transferrin functionalized poly(ethylene glycol)/poly(lactic acid) copolymeric micelles as a potential delivery system. Preeti Kumari, Balam Ghosh, Swati Biswas. International Conference on Nanostructured polymeric materials and polymer nanocomposites at Mahatma Gandhi University, Kottayam, India, November, 13-15 th November, 2015.

5. Poster: Omkara Swami Muddineti, Preeti Kumari, Balam Ghosh, Swati Biswas. Vitamin E-Conjugated Lipid Based Polymeric Micelles for Improved Delivery of Chemotherapeutics in Cancer, 42nd Annual Meeting & Exposition of the Controlled Release Society, Edinburgh, Scotland, July 26-29, 2015.

6. Poster: Omkara Swami Muddineti, Balam Ghosh, Swati Biswas. D- α -tocopherol conjugated co-polymer based polymeric micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance. International Symposium on "Nanotechnology & Cancer Theranostics" (ISNACT-2015) held in I.I.T. Bombay, February 19-21, 2015.

7. 5. Development of Isoform Selective HDAC3 inhibitors as Long-Term Memory Enhancers: Prakruti Trivedi, Swati Biswas, Balam Ghosh; 66th Indian Pharmaceutical Congress at Hyderabad, 23rd to 25th January 2015.

8. 6. Preparation, characterization and in vitro evaluation of methoxy polyethylene glycol-poly(lactide) (MPEG-PLA) polymeric micelles as nanocarrier for the delivery of chemotherapeutic drug curcumin in cancer: Preeti Kumari., Prit Lakhani., Balam Ghosh., Swati Biswas; 66th Indian Pharmaceutical Congress at Hyderabad, 23rd to 25th January 2015.

9. 7. One step Synthesis, characterization, stability and PEGylation of polymer stabilized gold nanoparticles for chemotherapeutics: Omkara Swami M., Srinivas Ajjarapu, Balam Ghosh, Swati Biswas; 66th Indian Pharmaceutical Congress at Hyderabad, 23rd to 25th January 2015.

10. Gaus, A., Mishra, R.K., Alokam, R., Singhal, S.M., Sriram, D., Yogeeswari, P, Evaluation of 2,6-diaminopyrimidines as novel Rho kinase inhibitors using animal models of treatment of neurological disorders. 66th Indian Pharmaceutical Congress: India- Pharmacy of the World, 23-25 January 2015, Hyderabad, India.
11. Gangadhar, M., Alokam, R., Sriram, D, Yogeeswari, P, MG2, a novel semicarbazone derivative, reduces neuropathic pain by inhibiting the expression levels of neuroinflammatory mediators. 2015 Keystone Symposia: C8: Pathways of Neurodevelopmental Disorders, 16-20 March 2015, California, USA.
12. Bobesh, K.A., Renuka, J., Sridevi, J.P., Yogeeswari, P., Sriram, D, Substitution of the N-linked aminopiperidine class with piperazine moiety to the mycobacterial gyrase domain to reduce the hERG toxicity profile. National Conference on Drug Discovery and Development in Chemistry- Applications in Pharma Industry (DDDC-2015), 14-15 September 2015, Tirupati, India.
13. Brahman, M., Renuka, J., Sridevi, J.P., Yogeeswari, P., Sriram.D, Development of novel quinolone pphenylenediamine hybrid analogues mycobacterial DNA gyrase inhibitors to improve the cardio safety profile. National Conference on Drug Discovery and Development in Chemistry- Applications in Pharma Industry (DDDC-2015), 14-15 September 2015, Tirupati, India.
14. Srilakshmi, R.R., Sridevi, J.P., Yogeeswari, P., Sriram, D, Design, Synthesis and Biological evaluation of Benzothiazole derivatives as Mtb Lysine aminotransferase Inhibitors. National Conference on Drug Discovery and Development in Chemistry- Applications in Pharma Industry (DDDC-2015), 14-15 September 2015, Tirupati, India.
15. Srikanth, R., Alokam, R., Gangadhar, M., Susruth, J., Sriram, D, Yogeeswari, P, Design, Synthesis and Pharmacological evaluation of novel 1,3,5-triazine-2,4,6-triamine derivatives as potent and selective A2A adenosine receptor antagonists in the treatment of epilepsy. 7th Asian Association of Schools of Pharmacy (AASP) Conference, 30 October-2 November 2015, Taipei, Taiwan.
16. Bobesh, K.A., Reshma, S.R., Nikhila, M., Yogeeswari, P, Sriram, D, N-Benzyl-3,3-dimethoxyhexahydro-2Hfuro[3,2-b]pyrrol-6-yl) methanesulfonamides as mycobacterial DNA gyrase inhibitors. Conference on Drug Discovery and Development: Global scenario-Indian Perspective, 20-21 November 2015, NIPER, Hyderabad.
17. Reshma, S.R., Shalini, S., Yogeeswari, P, Sriram, D, Development of quinoline derivatives as potent Mtb lysine aminotransferase inhibitors targeting latent tuberculosis. Conference on Drug Discovery and Development: Global scenario-Indian Perspective, 20-21 November 2015, NIPER, Hyderabad.
18. Brahman, M., Bobesh, K.A., Mikila, M., Reshma, S.L., Sriram, D, Yogeeswari, P, Development of 1,2,3-triazolo quinoline hybrid analogues as mycobacterial DNA gyrase inhibitors. Conference on Drug Discovery and Development: Global scenario-Indian Perspective, 20-21 November 2015, NIPER, Hyderabad.
19. Shubham, D., Alokam, R., Srikanth, R., Piyush, B., Sriram, D, Yogeeswari, P, Targeting orphan nuclear receptor RORA as a therapeutic option for Autism Spectrum Disorder. International Conference on "Cutting edge Pharmacology: Contemporary Issues and Future Challenges" & 48th Annual Conference of Indian Pharmacological Society, 18-20 December 2015, Rajkot, Gujarat.
20. Raut, P.P., Charde, S.Y., Adhokshaja CSS, and Supekar A.P., Modified Release Pellets for Stomach Site Specific Delivery of Levodopa and Carbidopa Combination. 14th International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, Mumbai, India, 2015.
21. Raut, P.P., and Charde, S.Y. , Formulation and Optimization of Gastroretentive Delivery System for Levodopa and Carbidopa Combination Using Response Surface Methodology. AAPS-NUS 10th PharmSci@Asia Symposium, Singapore 2015.
22. Raut, P.P., and Charde, S.Y, Design of Modified Release Multi Particulate Drug Delivery System for **Antiparkinson's** Drugs. 5th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems. Dubai, UAE, 2015.
23. Charde, S.Y., and Raut, P.P, Design of Modified Release Multi-Particulate Floating Drug Delivery System for Levodopa and Carbidopa Combination Based on a Multilayer Structure. Accepted for presentation at the 42nd Annual Meeting and Exposition of the Controlled Release Society, Edinburgh, Scotland, 2015.
1. S.P.Vimal, G.Bharat, P.Vinod, Arshdeep Singh Takkar, P.K.Thiruvikraman " Natural vs. Manmade scene classification using statistics of straight lines " All India Seminar on Space, Defence and Industrial Applications organized by the Institution of Engineers at Hyderabad, July 10-11, 2015.
2. **Nitin Suresh, S.P.Vimal and P.K.Thiruvikraman** "Automated Image Enhancement using a modified Sigmoid function" All India Seminar on Space, Defence and Industrial Applications organized by the Institution of Engineers at Hyderabad, July 10-11, 2015.
3. R. Aravinda Narayanan " Measuring Nanoscale Internal Stress Relaxation to understand unique thermomechanical properties of Polymer Nanocomposites" Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanaocomposites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2015): April 10-12, 2015, Kottayam, Kerala, India
4. Sruthi,V, Manav Shah, Anirudh Ramesh, Apoorva Agarwal, Shahela, Devesh, Harikrishnan,Kannan

- Ramaswamy "Light Trapping in Thin Silicon Substrate: Exciting Insights from Aluminum versus Gold Nanoplasmonics Simulations" Surface Plasmon Photonics (SPP-7) Jerusalem, Israel; 2015
5. S. Banik "Hyperon equation of state and core collapse supernova simulations" Nuclear Physics Meet at Institute of Physics, Bhubaneswar, India, June 2015.
6. Rahul Nigam "Decay of Dyonic Black Holes" BRCORP, Kathmandu, Nepal; 2015
7. Rahul Nigam "Role of Magnetic Field in Structure Formation" Massive Galaxies, AAO, Sydney; 2015
8. B. Rajesh Kannan and B. Harihara Venkataraman "Trivalent Rare Earth Ion Doped Layered Ferroelectric Oxide Ceramic Materials for Electronic Storage Device Applications 8th International conference on Materials for Advanced Technologies of Materials Research Society of Singapore, Singapore; 2015
9. B. Rajesh Kannan and B. Harihara Venkataraman "Electrical Properties of Barium Bismuth Samarium Niobate Ferroelectrics for Non-Volatile Random Access Memory Device Application" National Conference on Materials for Energy Conversion and Storage, VIT Chennai, India.; 2015
10. **Meenakshi. V** "Micro and Nanoscale Patterning using benchtop lithography" National Conference on current trends in soft matter, Cetral Univ. of Tamil Nadu, Thiruvavur; 2015
11. Y. V. Subba Rao, R. Aravinda Narayanan and Meenakshi. V "Fabrication and Characterization of PVDF microfilms for microfluidic applications" International conference on Recent Advances in Nanoscience and Nanotechnology; 2015
- J. Alamelu Mangai, Bharat B. Gulyani, A Predictive Data Mining Model for Customer Response in Bank Telemarketing, Proceedings of International Conference on Evidence Based Management ICEBM, BITS PILANI, Pilani Campus, March 20th 2015, Volume 2, Page 656 - 661
 - Dr Nidhi Bhandari Participated in Industry Day workshop on 10th April 2015 at the BITS Pilani, Hyderabad campus, India.
 - Dr B G Prakash Kumar is a team member for CAMPUS LIFE for mission 2014-16, BITS Pilani, Dubai Campus, Growth Plan.
1. Sharma, A.; Capoor, G.K.; Chattopadhyay, A.B., "Advanced Aircraft Electrical Systems to enable an All-Electric Aircraft," International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles (ESARS), 2015 (IEEE sponsored) , IEEE Xplore Digital Library, Conference Proceeding; pp.1-6; 3-5 March 2015 , Aachen, Germany.
2. **Sreeja Rajendran, Mary Lourde R**, "FinFET and their application as load switches in Micromechatronics", Proc.of IEEE International Symposium on Nanoelectronics and Information Systems iNIS 2015, at Indore, India December 2015.
3. Swati Sinha, TVC Sarma, Mary Lourde R., "Simulation of Clutter & RFI in Wind Profiler Power Spectra", Proc. Of 2nd URSI-REGIONAL CONFERENCE IN RADIO SCIENCE, INC-URSI, INSA, Jawaharlal Nehru University, New Delhi, November 2015,
4. Swati Sinha, TVC Sarma, Mary Lourde R., "Doppler Profile Estimation of MST Radar Data Using Multiparameter Cost Function", Proceedings of IEEE International Conference on Radar, Antenna, Microwave, Electronics and Telecommunications (ICRAMET 2015), Bandung, Indonesia, 2015, pp 50-54.
5. Arati Ajay, Mary Lourde R, " VLSI implementation of an improved multiplier for FFT computation in Biomedical Applications", Proceedings of International Symposium on VLSI (ISVLSI 2015) at Montpellier, France, July 2015.pp. 68 - 73
6. Navnith Ravindran, Mary Lourde R., "An Optimum VLSI Design of a 16-BIT ALU" proceedings of the International conference on "Information & Communication Technology Research ICTRC 2015" organised by Khalifa University (KUSTAR), Abu Dhabi, UAE, May 2015.pp. 52-55
7. Sreeja Rajendran, Mary Lourde R, " Modelling and optimization of a cantilever based DNA sensor" Proceedings of IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) - 2015, India, January 2015, pp. 1-4
8. Rangapriya Parthasarathy, Heiko Hengen, Jagadish Nayak, "Development of 3D Scanning Algorithms", 4th IEEE International Conference on Communication and Signal Processing, April 2-4, 2015, India
9. A Rangapriya Parthasarathy , Kalaichelvi .V, Swaminathan Sundaram,"A Novel Fuzzy Logic Model for Multiple Gas Sensor Array" .,IEEE International Conference on Communication and Signal Processing, , pp.1159-1162, Adhiparasakthi Engineering College, Melmaruvathur,India., April 2-4, 2015
10. Arvind Desikan.,V.Kalaichelvi., "Design for a Semi-Active Preview Suspension system using Fuzzy-Logic Control and Image Processing Techniques"., The 5th Annual IEEE International Conference on CYBER Technology in Automation, Control and Intelligent Systems., Shenyang, China, June 8-12,2015.
11. **Vishank Bhatia .,Kalaichelvi V.**, Karthikeyan R., "Application of a Novel Fuzzy Logic Controller for a 5-DOF Articulated Anthropomorphic Robot" ., IEEE International Conference On Research In Computational Intelligence and Communication Networks., kolkatta .,Nov 20-22,2015.
12. Vishank Bhatia.,Ganesh Ram R.k, Kalaichelvi V, Karthikeyan R., "Application of Model Predictive Controller for 2DOF Robot Manipulator" ., 10th International Symposium on Mechatronics and its

Applications., American University of Sharjah., Dec 8-10.,2015.,

13. Neenu Sivanand, Srinivasan S V, Gomathi Bhavani, Physical Level IC Implementation for Speed Control of Three Phase Induction Motors, 4th International Symposium on Next Generation Electronics (IEEE ISNE 2015), Taipei, Taiwan, May 4-6, 2015, organized by National Taiwan University of Science and Technology and IEEE Electron Devices Society, IEEE Taipei Section.

14. Swarnalatha, R. and Prasad, D.V. "Detection of Sleep Bruxism based on EEG Hilbert Huang Transform", 5th International Conference on Biomedical Engineering and Technology (ICBET 2015), Seoul, South Korea, 10-11 March, 2015.

15. Ashwini, K., Swarnalatha, R., Prasad, D.V., Abdul Razak." Design and Analysis of MEMS Cantilever for Pyroelectric Energy Conversion using COMSOL Multiphysics" , IEEE International Conference on Electrical, Computer and Communication Technologies, Coimbatore, Tamil Nadu, India , 5 - 7, March, 2015.

1. Vishank Bhatia .,Kalaichelvi V., Karthikeyan R., Application of a Novel Fuzzy Logic Controller for a 5-DOF Articulated Anthropomorphic Robot, IEEE International Conference On Research In Computational Intelligence and Communication Networks, Kolkatta, India

2. Vishank Bhatia.,Ganesh Ram R.K, Kalaichelvi V, Karthikeyan R, Application of Model Predictive Controller for 2DOF Robot Manipulator, IEEE International Symposium On Mechatronics and Its Applications, Sharjah, UAE

3. C.Periasamy and Satish Kumar, FEA Analysis and Structure of the Solid Rocket Booster and external Tank, 2nd International Conference on Innovative Trends in Science , Engineering and Management 2015, 25-26, Feb 2015, Dubai, UAE

4. C.Periasamy and Viswa Venkat Mounish Vadlapudi, Solar Roadways and its Application in UAE, ASME Power & Energy 2015,11-13, May, 2015, Dubai, UAE

5. Udayakumar Rajamanickam, Anshul Singhal, and Miller Jothi, FRP Mold and Panel Manufacturing for FSAE Body Panel and Driver Seat', SAE Proceedings 2015-01-0727, Year: April 2015, USA

1. Tina Francis, M. Madijagan , B Vijayakumar, "Privacy Issues and Techniques in E-Health Systems", Proc. of Int. Conference ACM SIGMIS CPR 2015, Newport Beach, California June 4-6, 2015, pp. 113-115.

2. Nithya.K, B. Vijayakumar, Architectural Design for Allocation, Storage and Retrieval of Distributed Multimedia Data, Proceedings of the International MultiConference of Engineers and Computer Scientists 2015, IMECS 2015, March 18 - 20, 2015, Hong Kong, pp. 184-188.

3. Gaurav Madan, Yashasvi Vedula, Anubha Varshney, Ranoo Sharma, B Vijayakumar, "eAttendance System for Academic Institutions", Proceedings of the International MultiConference of Engineers and Computer Scientists 2015, IMECS 2015, March 18 - 20, 2015, Hong Kong, pp. 382-386.

4. Dev Dua, Sujala D. Shetty, Lekha R. Nair, Applying Scalable Machine Learning Techniques on Big Data Using a Computational Cluster, The 16th International Conference on Internet Computing and Big Data, July 27-30, 2015, Las Vegas, USA, pp. 17-23.

5. Dev Dua, Sujala D. Shetty, Lekha R. Nair, Development of a distributed cryptographic system employing parallelized CTR mode encryption", 10th International Conference on Internet and Web Applications and Services, 21 - 26 June 2015 / Belgium, Brussels, pp. 41-45.

6. Susanna S Henry, Vijay Kumar, V. Santhosh Kumar, Gurwinder Singh. Protocol Verification of Translation in Mobile Internet Protocol version 4 and 6. 2015 8th International Conference on Advanced Computer Theory and Engineering (ICACTE 2015). Web site:<http://www.icacte.org>. Germany, Berlin, 13-14 August 2015. Also published in special issue in Journal of Computers Volume 11, Issue No. 2, March 2016, pp. 149-158.

7. Mahendra Singh Thakur, Dr M Madijagan. "Selection of Sensor Architecture and Design of Sensor Framework for Blade Server and Data Centre Cooling System". International Conference on Artificial Intelligence, Energy and Manufacturing Engineering (ICAEME'2015) Jan.7-8, 2015 Dubai (UAE). <http://iieng.org/siteadmin/upload/6440E0115015.pdf>, pp. 18-21.

8. Bhavya Thakur, Aroul Murugan, Mahendra Singh Thakur. "Design and Development of a Self Propelled **Electricity Generator** on a Cloudy Hill Top". International Conference on Artificial Intelligence, Energy and Manufacturing Engineering (ICAEME'2015) Jan. 7-8, 2015 Dubai (UAE). <http://iieng.org/siteadmin/upload/5653E0115016.pdf>, pp. 22-25.

9. Pratik Sen and S.Vadivel, Introduction to fast indexing method for images in database, International Conference on Digital Image Processing,ICDIP 2015 Apr 9, 2015 - Apr 10, 2015 , Los Angeles, USA, pp. 102-106.

10. C. Tamilselvi, B. Vijaya Kumar, Cloud to Device Messaging with Voice Notification Using GCM, Proceedings of the World Congress on Engineering and Computer Science 2015 Vol I WCECS 2015, October 21-23, 2015, San Francisco, USA, pp. 168-173.

11. Joseph George, Member, IAENG, B. Vijay Kumar, V. Santhosh Kumar, Data Warehouse Design Considerations for a Healthcare Business Intelligence System, Proceedings of the World Congress on Engineering 2015 Vol I WCE 2015, July 1 - 3, 2015, London, U.K., pp. 308-311.

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1. **Mubeena, I.** and Maneesha, "Analysis of written business communication competency in the hotel industry of Dubai", International Conference of Academic Disciplines, Harvard Medical College, 25-30 May, 2015, Boston, Massachusetts.
2. Rao, A.S. " Entrepreneurial Growth : An Empirical Study on 'Issues & Challenges being faced by Micro level Women Entrepreneurs in UAE Region" McGill International Conference Feb 28 - March 1, 2015 at UAE University, Al Ain
3. Lajwanti, Kishnani "Comparative Study on Anxiety among Sports **and Non-sports** Personnel in India and UAE" Global Conference on Business Management and Social Sciences 24-25th April 2015,Dubai, Abasyn University (Scopus Indexed Journal Publication)
4. Lajwanti, Kishnani "Cry The Peacock –In Search of her Own Identity" **International** Conference on Science Technology and Society STS and ISBN NO:81-902565- 6-4 Page Nos-541-544. 21-22nd March 2015, at the Organized by Christian College Indore
5. Shazi Shah Jabeen and Aqila R. 'Factors Influencing Education Decision Making Process', Proceedings of 21st Century Academic Forum Conference at Harvard University, 8-10 March, 2015 at Harvard University, Boston, USA, pp. 208-220.
6. Ria K. and Shazi Shah Jabeen. 'Corporate Social Responsibility Audit: An Exploratory Study' 21st Century Academic Forum Conference at Harvard University, Boston, USA, 8-10 March, 2015, HRD-701.
7. Aqila R. and Lajwanti Comparative analysis of anxiety among sports and non-sports personnel in UAE and India. Global Conference on Business Management and Social Sciences. 24-25 April, 2015 in Dubai
8. Aqila R. Role of Supply chain management in the success of Entrepreneurs. International Conference on Evidence Based Management 2015 (ICEBM2015) 20-21 March 2015 at BITS Pilani, Pilani campus
9. Ajay Jesse Thomas and Shazi Shah Jabeen. 'Effectiveness of Online Language Learning', Proceedings of World Congress on Engineering and Computer Science 2015 (WCECS 2015) organized by the International Association of Engineers (IAENG) , University of California, Berkley (San Francisco), USA, 21-23 October, 2015, pp. 297-301
10. Pushkala M. Analysis of Differences in Managerial Perception of Current CSR Initiatives as against Future Expectations. International Conference on Organization and Management organised Abu Dhabi University, November 22-23, 2015
11. Aastha Bhardwaj, Bhavi Bhavesh Thakker and Shazi Shah Jabeen. ' Corporate and Social

ANNEXURE 2(a)– PUBLICATIONS

Authors	Title of the Publications	Details of the Journal	National/International
Jain, N., Bhargava, A., Rathi, M., Dilip, R.V. and Panwar, J.	Removal of protein capping enhances the antibacterial efficiency of biosynthesized silver nanoparticles.	PLoS ONE, DOI: 10.1371/journal.pone.0134337	International
Jain, N., Alam, P., Laskar, I.R. and Panwar, J.	Aggregation induced phosphorescence' active iridium(III) complexes for integrated sensing and inhibition of bacteria in aqueous solution.	RSC Advances, vol 5: 61983-61988	International
Bhargava, A., Jain, N., Gangopadhyay, S. and Panwar, J.	Development of gold nanoparticle-fungal hybrid based heterogeneous interface for catalytic applications.	Process Biochemistry, vol 50:1293-1300	International
Jha, P., Panwar, J. and Jha, P.N.	Secondary plant metabolites and root exudates: guiding tools for polychlorinated biphenyl biodegradation	International Journal of Environmental Science and Technology, vol 12: 789-802	International
Solanki, P., Bhargava, A., Chhipa, H., Jain, N. and Panwar, J.	Nano-fertilizers and their smart delivery system.	Nanotechnologies in Food and Agriculture, Rai, M., Ribeiro, C., Mattoso, L. and Duran, N. (Eds.), Springer International Publishing, Switzerlandt, pp. 81-101	International
Yadav, B.K., Akhtar, M.S. and Panwar, J.	Rhizospheric plant microbe interactions: Key factor to soil fertility and plant nutrition.	Plant Microbe Symbiosis: Applied Facets, N.K. Arora (Ed.), Springer, India, pp. 127-145	International
Subudhi AK, Boopathi PA, Pandey I, Kaur R, Middha S, Acharya J, Kochar SK, Kochar DK and Das A	Disease specific modules and hub genes for intervention strategies: A co-expression network based approach for Plasmodium falciparum clinical isolates.	Infection, Genetics and Evolution, vol 35: 96-108	International
Subudhi AK, Boopathi PA, Pandey I, Kohli R, Karwa R, Middha S, Acharya J, Kochar SK, Kochar DK and Das A	Plasmodium falciparum complicated malaria: Modulation and connectivity between exportome and variant surface antigen gene families	Molecular and Biochemical Parasitology, vol 201(1): 31-46.	International
Garg, S., Kakkar, S. And Runthala, A.	Improved protein model ranking through topological assessment	Computational Biology and Bioinformatics: Gene Regulation (Editors: Wong, KC.)	International (Accepted)

Runthala, A. and Chowdhury, S.	Unsolved problems of ambient computationally intelligent TBM algorithms	Hybrid Soft Computing Approaches: Research and Applications, Springer Monograph in Studies in Computational Intelligence Volume 611 (Editors: Bhattacharya, S., Dutta, P. and Chakraborty, S.), vol 611: 75-105	International (Accepted)
Runthala, A.	Non-Linear and Misleading Template Scoring Criteria: Root Cause of Protein Modelling Inaccuracies	Current Synthetic and Systems Biology, DOI: 10.4172/2332-0737.1000121	International
Runthala, A.	Functionally Tolerable Mutations Incorporated in Proteins guides the Evolution Process	Journal of Investigative Genomics, vol DOI: 10.15406/jig.2015.02.00029	International
Singh, R.P., Shelke, G.M., kumar, A. and Jha, P.N.	Biochemistry and Genetics of ACC deaminase: A weapon to 'stress ethylene' produced in plants.	Frontiers in Microbiology, DOI:10.3389/fmicb.2015.00937	International
Singh, R.P., Jha, P. and Jha, P.N.	The Plant Growth Promoting Bacterium Klebsiella Sp. SBP-8 Confers Induced Systemic Tolerance in Wheat (Triticum aestivum) Plant Under Salt Stress Condition.	Journal of Plant Physiology, vol 184: 57-67	International
Chander, S., Ashok P, Singh, S., Jha, P.N. and Murugesan, S.	A Rapid, Green, Efficient Microwave-Assisted Synthesis and Antimicrobial Activity of Novel Glycinamide of 6,7-Dimethoxy-1, 2, 3, 4-Tetrahydroisoquinolines.	Current Microwave Chemistry, vol 1: 1-9	International
Gupta, G., Gupta, A.D. and Jha, P.N.	Biocontrolling and Colonization Potential of Pseudomonas aeruginosa PM389 Isolated from Pennisetum Glaucum under Field Conditions.	International Journal of Research in Emerging Science and Technology. vol 2(3): 104-116	International
Khedar, P., Pericherla, K., Singh. R.P., Jha, P.N., Kumar, A.	Click chemistry inspired synthesis of piperazine-triazole derivatives and evaluation of their antimicrobial activities.	Medicinal Chemistry Research. vol 24: 3117-3126	International
Singh, R.P., Mishra, S.M., Raghuvanshi, S. and Jha, P.N.	GC-MS analysis of change in fatty acid composition of halobacterium Bacillus licheniformis HSW-16 under varying salinity condition	Journal of Microbiology Biotechnology and Food Science (Accepted)	International
Gupta, G. and Jha, P.N.	Screening of potential PGPR candidates as future biofertilizers: A strategic approach from lab to field" for publication as regular paper in Research Journal of Biotechnology.	Research Journal of Biotechnology(Accepted)	National

Mishra, S., Singh, R.P., Raghuvanshi, S., Gupta, S. and Jha, P.N.	Deducing the bio-perspective capabilities of Fe (II) utilizing bacterium <i>Pseudomonas aeruginosa</i> KP isolated from extreme environment.	Biochemistry & Analical Biochemistry, vol 4: 166	International
Singh, R.P. and Jha, P.N.	Plant Growth Promoting Potential of ACC Deaminase Rhizospheric Bacteria Isolated from <i>Aerva javanica</i> : A Plant Adapted to Saline Environments.	International Journal of Current Microbiology and Applied Science, vol 4(7): 142-152	National
Singh, R.P. and Jha, P.N.	Characterization and Optimization of Alkaline Protease Production from <i>Bacillus Licheniformis</i> Hsw-16 Isolated from Sambhar 12Salt Lake.	International Journal of Applied Science and Biotechnology, vol 3(2): 347-351	National
Pallavi, B., Sharma, A., Singh, R.P., Jha, P.N. and Shukla, P.	Novel grinding synthesis of pyranopyrazole analogues and their evaluation as antimicrobial agents.	Heterocycles, vol 91: 1615-1627	International
Singh, R.P. and Jha, P.N.	Molecular identification and characterization of rhizospheric bacteria for plant growth promoting ability.	International Journal of Current Biotechnology, vol 3: 12-18	National
Prajapat, R., Marwal, A. and Jha, P.N.	<i>Erwinia carotovora</i> associated with Potato: A Critical Appraisal with respect to Indian perspective.	International Journal of Current Microbiology and Applied Science, vol 2: 83-89	National
Jha, P.N., Gupta G., Jha P. and Mehrotra, R.	Association of rhizospheric/endophytic bacteria with plants: a potential gateway to sustainable agriculture.	Greener Journal of Agriculture Science, vol 3(2):73-84	International
Nagraj J, Mukherjee S and Chowdhury R	Cancer: an evolutionary perspective.	Journal of Cancer Biology and Research , 3(2): 1064	International
Chowdhury R , Verma SK, and Mukherjee S	Arsenic Toxicity: Remediation and Treatment	Arsenic Toxicity Prevention and Treatment, Taylor and Francis Publisher	International
Shukla P, Sharma A, Chowdhury R, Dash S and Pallavi B	Fast microwave assisted synthesis of pyrazolopyran derivatives as new anticancer agents	Current Microwave Chemistry (Bentham Science Publisher), vol 3: 1-6	International
Tomar, V. Sidhu, G.K., Nogia, P., Mehrotra, R., Mehrotra, S	Role of habitat and great oxidation event on the occurrence of three multi-subunit inorganic carbon uptake systems in cyanobacteria	Journal of Genetics (Accepted)	International

Sidhu, G.K., Sharma, R, Mehrotra, R., Mehrotra, S	Analysis of 39 cyanobacterial species reveals rbcX subunit to be present between L and S Subunits	Journal of advances in Biology, vol 7	International
MVSS, Manjari, Mehrotra, R. Shukla, P. Mehrotra, S.	Developments and challenges in biodiesel production from microalgae.	Biotechnology and applied biochemistry, DOI: 10.1002/bab.1412	International
Swarna kanchan,Rajesh Mehrotra,Shibashi sh chowdhary	Phylogenetic analysis of Endonuclease III protein family identifies key residues and processes during evolution	Journal of Molecular evolution, vol 81(1-2): 54-67	International
Swarna Kanchan, Mehrotra, R. And Chowdhury, S.	In Silico Analysis of the Endonuclease III Protein Family Identifies Key Residues and Processes During Evolution	Journal of Molecular Evolution, vol 81(1-2): 54-67	International
Kesheri, M., Swarna Kanchan, Chowdhury, S. and Sinha R.P	Secondary and tertiary structure prediction of proteins: A Bioinformatics approach	Complex System Modelling and Control Through Intelligent Soft Computations Studies in Fuzziness and Soft Computing (Ed: Quanmin Zhu and Ahmad Taher Azar), vol 319:541-569	Springer International Publishing Switzerland
Nagappan S and Verma SK	Development of growth model for raceway pond cultivation of <i>Desmodesmus</i> sp. MCC34 isolated from local water body	Engineering in Life Sciences	International
Utkarsh Maheshwari, Suresh Gupta	A novel method to identify optimized parametric values for adsorption of heavy metals from waste water	Journal of Water Process Engineering, 2015. (doi:10.1016/j.jwpe.2014.12.007)	International
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P.K. Singh, S. Bhanot, and H.K. Mohanta	Particle Swarm Optimization based Fuzzy Logic Control of pH Neutralization Process.	International Journal of Applied Engineering Research, 10 (63), 211-215, 2015.	International
Tapas K Patra and Pratik N Sheth	Biomass gasification models for downdraft gasifier: A state-of-the-art review	Renewable and Sustainable energy Reviews, Vol. 50, pp.583-593, 2015.	International
R. Sharma and Pratik N Sheth	Thermo-Chemical Conversion and of Jatropha Deoiled Cake: Pyrolysis vs. Gasification	International Journal of Chemical Engineering and Applications, Vol. 6 (No 5), pp 376-380, 2015	International
C. Sekhar, B. Roy, and S. Aich	Synthesis of nanoscale oxide scaffold on Nitinol surface using hydrothermal treatment, "	Surface Engineering 2015; DOI: http://dx.doi.org/10.1179/1743294415Y.0000000038	International
B. V. Vedula, M. Chopra, E. Joseph, S. Mazumder	Preparation and characterization of nanoparticles of carboxymethyl cellulose acetate butyrate containing acyclovir	Applied Nanoscience, open access, pp. 1-11 (online open-access)	International
S. Mazumder, Y. Fan, C.J. Cornelius	Carbon-Ionomer nanocomposite wetting properties: The role of ionomer composition and surface roughness	International Journal of Material Science and Application, 4(2), pp. 69-76, 2015.	International

Srinivas Appari, Ryota Tanaka, Chengyi Li, Shinji Kudo, Jun-ichiro Hayashi, Vinod M. Janardhanan, Hiroaki Watanabe, Koyo Norinaga,	Predicting the Temperature and Reactant Concentration Profiles of Reacting Flow in the Partial Oxidation of Hot Coke Oven Gas using Detailed Chemistry and a One-dimensional Flow Model.	Chemical Engineering Journal, 266, 82- 90, 2015.	International
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Koyo Norinaga, Huamei Yang, Ryota Tanaka, Srinivas Appari, Keita Iwanaga, Yuka Takashima, Shinji Kudo, Tetsuya Shoji, Jun-ichiro Hayashi,	A mechanistic study on the reaction pathways leading to benzene and naphthalene in cellulose vapor cracking.	Biomass and Bioenergy, 69, 144-154, 2015.	International
Hua-Mei Yang, Srinivas Appari, Shinji Kudo, Jun-ichiro Hayashi, and Koyo Norinaga,	Detailed Chemical Kinetic Modeling of Vapor-Phase Cracking of Volatiles Derived from the Fast Pyrolysis of Lignin,	Industrial & Engineering Chemistry Research, 54, 6855-6864 (2015).	International
Chengyi Li, Srinivas Appari, Ryota Tanaka, Kyoko Hanao, Yeonkyung Lee, Shinji Kudo, Jun- ichiro Hayashi, Vinod M. Janardhanan, Hiroaki Watanabe, Koyo	A CFD study on the reacting flow of partially combusting hot coke oven gas in a bench-scale reformer,	Fuel, 159, 590-598 (2015).	International
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N Nandwana, K Pericherla, P Kaswan, Anil Kumar	Yb(OTf) ₃ -catalyzed Mannich reaction of imidazo[1,2-a]pyridine and pyrazolo[1,5-a]pyrimidines	Indian J. Chem. 2015, 54B, 290-300.	National
Rajeev Sakhuja, S. M. Abdul Shakoor, Santosh Kumari, Anil Kumar	Microwave-Assisted Expedite Synthesis of 2-Phenylimidazo[1,2-a]pyridylquinoxalin-2(1H)-ones.	<i>Journal of Heterocyclic Chemistry</i> , 2015, 52(3), 773-779	International
M Jha, GM Shelke, TS Cameron, Anil Kumar	Microwave-assisted expedite synthesis of 2-phenylimidazo[1,2-a]pyridylquinoxalin-2(1H)-ones	J. Heterocyclic Chem. 2015, 15, 773–779.	International
Paritosh Shukla, Ashok Sharma, Sumati Anthal, and Rajni Kant	Synthesis of Functionalised Pyrazolopyran Derivatives: Comparison of Two-Step vs One-Step vs Microwave Assisted Protocol and X-ray Crystallographic Analysis of 6-Amino-1,4-dihydro-3-methyl-4-phenylpyrano[2,3-c]pyrazole-5-carbonitrile"	<i>Bulletin of Material Science</i> , 2015, <i>accepted</i>	International
Ashok Sharma, Badvel Pallavi, Prabhat Nath Jha, Rajnish Prakash Singh , and Paritosh Shukla	Environmentally Benign Synthesis and Evaluation of Pyrazolopyran Analogues as Antimicrobial Agents	<i>Heterocycles</i> , 2015, Vol. 91, No. 8, 1615-1627.	International
R Sakhuja, SM Abdul Shakoor, S Kumari, Anil Kumar	Click chemistry inspired synthesis of piperazine-triazole derivatives and evaluation of their antimicrobial activities	Med. Chem. Res. 2015, 24, 3117–3126.	International
Tanvi Taparia, Manjari M., Rajesh Mehrotra, Paritosh Shukla and Sandhya Mehrotra	Developments and Challenges in Biodiesel Production from Microalgae: A Review	Biotechnology and Applied Biochemistry, 2015, Accepted	International
Santosh Kumari, Sunita Joshi, S. M. Abdul Shakoor, Devesh S. Agarwal, Siva S. Panda, Debi D. Pant, Rajeev	Synthesis, Absorption, and Fluorescence Studies of Coumaryl-Labelled Amino Acids and Dipeptides Linked Via Triazole Ring	<i>Aust. J. Chem.</i> 2015 (in press)	International

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Y. Shao, ..., P. Manohar, ..., P.M.W. Gill, and M. Head-Gordon	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package	<i>Mol. Phys.</i> 2015, 113, 184-215	International
Sanjeed Schamnad and Shamik Chakraborty	Substitution effect in O-H...Se hydrogen bond - Density Functional Theory study of substituted phenol-SeH ₂ complexes	<i>Chem. Phys. Lett.</i> 622, 2015	International
Ajay K. Sah and Noorullah Baig	Synthesis and Characterization of Glucose Derived Dioxomolybdenum (VI) Complexes and Their Application in Sulphide Oxidation	<i>Catal Lett</i> 2015, 145, 905–909	International
Rituparna Bhattacharjee and Ram Kinkar Roy	Negativity of Fukui function of some isolated s and p block elements: The role of orbital relaxation effect.	<i>Chem. Phys. Lett.</i> 2015, (Just accepted).	International
GM Shelkea, VK Rao, M Jha, TS Cameron, Anil Kumar	Synthesis of 5,7-diarylpyrazolo[1,5-a]pyrimidines via KOH mediated tandem reaction of 1H-pyrazol-3-amines and chalcones	<i>Tetrahedron Lett.</i> 2015, 56, 549–553.	International
P Kaswan, K Pericherla, HK Saini, Anil Kumar,	Microwave assisted catalyst-free synthesis of substituted 1,2,4-triazoles	<i>Synlett</i> , 2015, 26,404-407.	International
HK Saini, S Dhiman, K Pericherla, Anil Kumar	2-(3'-Indolyl)-N-arylthiazole-4-carboxamides: Synthesis and evaluation of antibacterial and anticancer activities	<i>Bioorg. Med. Chem. Lett.</i> 2015 (in press).	International
Mukund P. Tantak, Jing Wang, Rajnish Prakash Singh, Anil Kumar, Kavita Shah, Dalip Kumar	2-(3'-Indolyl)-N-arylthiazole-4-carboxamides: Synthesis and evaluation of antibacterial and anticancer activities	<i>Bioorg. Med. Chem. Lett.</i> 2015, (In press).	International

Sunita Joshi, Santosh kumari, Rituparna Bhattacharjee, Rajeev Sakhuja, Debi D. Pant	Estimation of ground and excited-state dipole moments of synthesized coumarin derivative, (S)-1-((7-hydroxy-2-oxo-2H-chromen-4-yl)methyl)-1H-1,2,3-triazol-4-yl)methyl 2-(((9H-fluoren-9-yl)methoxy)carbonylamino)-3-phenylpropanoate from a solvatochromic shift and theoretical methods	<i>J. Molecular Liquids</i> , 2015, 209, 219-223.	International
RP Singh, GM Shelke, Anil Kumar, PN Jha	Iodine-mediated microwave assisted synthesis of 2-arylnaphthofurans via cyclization of 1-(1'-arylviny)-2-naphthols	Synthesis, 2015 (in press).	International
K Pandey, S Choudhary, MK Muthyala, Anil Kumar	Recent developments in the synthesis of imidazo[1,2-a]pyridines	Synthesis, 2015, 47, 887-912.	International
S Choudhary, Saroj, K Pandey, Anil Kumar	Synthesis of imidazo[1,2-f]phenanthridines through palladium-catalyzed intramolecular C–C bond formation	Synthesis, 2015 (in press).	International
Paritosh Shukla, Ashok Sharma, Badvel Pallavi, and Chien Hong Cheng	Nickel-Catalysed Reductive Heck Type Coupling of Saturated Alkyl Halides with Acrylates and Oxabenzonorbornadiene	<i>Tetrahedron</i> , 2015, 71, 2260-2266	International
Rajeev Sakhuja, Krishnakanth Kondabolu, Tania Córdova-Sintjago, Sean Travers, Adam S. Vincek, Myong Sang Kim, Khalil A. Abboud, Lijuan Fang, Zhuming Sun, Clinton E. Canal, Raymond G. Booth	Novel 4-Substituted-N,N-dimethyltetrahydronaphthalen-2-amines: Synthesis, Affinity, and In Silico Docking Studies at Serotonin 5-HT ₂ -type and Histamine H ₁ G Protein-Coupled Receptors	<i>Bioorganic & Medicinal Chemistry</i> , 2015; 23(7), 1588-1600.	International
Sonu, S. Kumari and S. K. Saha	Effect of polymethylene spacer of cationic gemini surfactants on solvation dynamics and rotational relaxation of Coumarin 153 in aqueous micelles	<i>J. Phys. Chem. B.</i> , 2015, 119, 9751.	International

	Design, synthesis and bioevaluation of novel 6-(4-hydroxypiperidino)naphthalen-2-ol-based potential selective estrogen receptor modulators for breast cancer	Eur. J. Med. Chem. 2015, 92, 103-114.	International
Indresh Kumar, P. Ramaraju, N. A. Mir and A. Singh	Linear dialdehydes as promising substrates for aminocatalyzed transformations	<i>Org. Biomol. Chem.</i> , 2015, 13, 1280.	International
P Kaswan, K Pericherla, D Purohit, Anil Kumar	Synthesis of novelazole fused-quinazolines via one-pot sequential Ullmann type coupling and intramolecular dehydrogenative C–N bonding	<i>Org. Biomol. Chem.</i> 2015, 13, 2947-2950.	International
A. K. Tiwaria, S. Gangopadhyay, C.-H. Chang, S. Pande, S. K. Saha	Study on Metal Nanoparticles Synthesis and Orientation of Gemini Surfactant Molecules Used as Stabilizer	<i>J. Colloid. Int. Sci.</i> , 2015, 445, 76-83	International
Dalip Kumar, Bhupendra Mishra, K. P. Chandrashekar, Santosh B. Khandagale, Mukund P. Tantak, Anil Kumar, Kanako Akamatsu, Eriko Kusaka, Kazuhito Tanabe, Takeo Ito	Synthesis of meso-(4'-cyanophenyl) porphyrins: efficient photocytotoxicity against A549 cancer cells and their DNA interactions	<i>RSC Adv.</i> , 2015, 5, 53618.	International
Navin Jain, Parvej Alam, Inamur Rahaman Laskar, and Jitendra Panwar	Aggregation Induced Phosphorescence' Active Iridium(III) Complexes for Integrated Sensing and Inhibition of Bacteria in Aqueous Solution,	RSC Advances, 2015,5, 61983-61988	International
Fayaz Baig, Rajni Kant, Vivek K. Gupta and Madhushree Sarkar	Effects of non covalent interactions in light emitting properties of bis-pyridyl-alkyl-dimines	RSC Advances, 2015, 5, 51220	International
K Pericherla, GM Shelke, YC Kothari, Anil Kumar	Imidazolium salt-supported mukaiyama reagent: An efficient condensation reagent for amide bond formation	RSC Adv. 2015, 5, 13797-13804.	International
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JagadeeshAnmala, O.W.Meier, A.J. Meier and S.Grubbs	A GIS and an Artificial Neural Network Based Water Quality Model for a Stream Network in Upper Green River Basin, Kentucky, USA	ASCE, Journal of Environmental Engineering, 141(5), , DOI: 10.1061/(ASCE)EE.1943-7870.0000801.4014082	International
Raychoudhury, T., Schiperski, F., Scheytt, T	Distribution of Iron in Activated Carbon Composite: Evaluation of Arsenic Removal Behavior	Water Science and Technology: Water Supply.(doi:10.2166/ws.2015.057)	International
Sudatta Banerjee and Amrita Roy	"Determinants of Female Autonomy across Indian States", , Vol. 3, No. 11, pp. 1037-1040.	Journal of Economics, Business and Management	International
Pathak D C & Srijit Mishra	"Poverty Estimates in India: Old Versus New Methods, 2004-05"	Poverty and Public Policy	International

Ch. V. V. S. N. V. Prasad, P. Lalitha , P. V. N. Srikar	" Barriers to the Use of Information and Communication Technology (ICT) in Secondary Education: Teacher's Perspective, Selected for presentation and publication, accepted for	Journal of Management Research	International
Swati Alok, Jayashree Raveendran	Process conflict management among Indian software employees: prediction of conflict handling intention in fast changing global IT market using the theory of planned behaviour"	Journal of Indian Business Research	International
KothaSrinivasaReddya, Subhendu Kumar Sahoo	An approach for FIR filter coefficient optimization using differential evolution algorithm	AEU - International Journal of Electronics and Communications	International
Rajagopalan V, Pioro EP	Disparate voxel based morphometry (VBM) results between SPM and FSL softwares in ALS patients with frontotemporal dementia: which VBM results to consider?	BMC Neurol. 2015 Dec;15(1):274. doi: 10.1186/s12883-015-0274-8. Epub 2015 Mar 13. (Highly Accessed)	International
Arup Maharatna	'The Demography of Social Stratification in India'	In: Sáenz, Rogelio, Embrick, David G., Rodríguez, Néstor P. (Eds.) International Handbook of the Demography of Race and Ethnicity, Springer Netherlands (ISBN 978-90-481-8890-1).	International
M.G.Prasuna Maya Vinai	Theatre Art Techniques for Professional Development	Humanities and Social Sciences Review (google scholar) e-ISSN -2165-6258	International
Maya Vinai&Jayashree Hazarika	Re-assessing the Kerala Model Woman in Fiction: An interview with author JaishreeMisra	Asiatic: IIUM Journal of English Language and Literature. 9.1(2015): 193-198.	International
Jayashree Hazarika &Maya Vinai	Representation of the Middle Class in the works of Vikram Seth.	The Quest	National
Srinivas Sajja, L.V.Prasad and P.Stevenraj	'Displacement and Livelihoods: Distant Fruits of Development in KSEZ	Book - Small Experiments in Sustainability'	National
Srinivas Sajja and ShamuelTharu	Small Experiments in Sustainability'	Edited vol.	National

Santosh Kumar Mahapatra	Training Language Learners to Use Feedback: An Action Research at BITS Pilani, Hyderabad	"FORTELL" (ISSN No. 2229-6557, Issue No. 31, July 2015)	National
Santosh Kumar Mahapatra	"Using web 2.0 tools for teacher professional development: a case study"	In "Innovation in English Language Teacher Education" edited by George Pickering and Professor Paul Gunashekar and published by British Council (ISBN 978-0-86355-765-1)	International
ShamuelTharu	Small Experiments in Sustainability'	Edited vol.	National
ShamuelTharu	"Sustainable Practice: Scope and Methods for the New Millennium"	In Small Experiments in Sustainability' Srinivas Sajja and ShamuelTharu (eds)	National
B.Mishra, P.K. Sahoo& Srikanth Suresh	Non-existence of perfect dark energy fluid in Bianchi type-IV space time	Astrophysics and Space Science, 358, 7.	International
B. Mishra, P.K. Sahoo& Ch.B. Siddarth Varma	Dark Energy Cosmological Model for Bianchi Type III space-time with perfect fluid	International Journal of Pure and Applied Mathematics, 99(1), 109-121	International
S.K. Tripathy, D. Behera&B.Mishra	Unified dark fluid in Brans-Dicke theory	The European Physical Journal C, 75:149, 1-7.	International
P.K. Sahoo and B Mishra	Higher Dimensional Bianchi Type-III universe with strange quark matter attached to string cloud in general relativity	Turkish Journal of Physics, 39, 43-53	International
P.K. Sahoo, B.Mishra& S.K. Tripathy	Kaluza-Klein cosmological model in $f(R; T)$ gravity with $\lambda(T)$	Indian Journal of Physics, DOI: 10.1007/s12648-015-0759-8.	National
S.K.J. Pacif&B.Mishra	A singularity free cosmological model in general relativity	Research in Astronomy and Astrophysics (accepted for publication)	International
S.K. Tripathy, B. Mishra, G.K. Pandey, A.K. Singh, T. Kumar & S.S. Xulu	Energy and momentum of Bianchi type V_h Universe	Advances in High Energy Physics, Article ID 705262, 1-8.	International
B.Mishra, P.K. Sahoo& S. Tarai	Non-static cosmological model in $f(R,T)$ gravity	Astrophysics and Space Science, 359(15).	International
B. Mishra & S.K. Tripathy	Anisotropic dark energy model with a hybrid scale factor	Modern Physics Letter A (accepted for publication).	International

D. Ghosh & and D. Chakraborty	A Method for Capturing the Entire Fuzzy Non-dominated Set of a Fuzzy Multi-criteria Optimization Problem	Fuzzy Sets and Systems, 272, 1 – 29.	International
Jagan Mohan Jonnalagadda	Analysis of a System of Nonlinear Fractional Nabla Difference Equations	International Journal of Dynamical Systems and Differential Equations, 5, (2), 149 – 174.	International
N.Shobanadevi&J. Jagan Mohan	Analysis of Discrete Mittag – Leffler Functions	International Journal of Analysis and Applications, 7(2), 129 – 144.	International
Jagan Mohan Jonnalagadda	Analysis of Nonlinear Fractional Nabla Difference Equations	International Journal of Analysis and Applications, 7(1), 79 – 95.	International
J.Jagan Mohan	Variation of Parameters for Nabla Fractional Difference Equations	Novi Sad Journal of Mathematics, 44(2), 149 – 159.	International
K. VenkatRatnam, B. Krishnamurthy & S. Ramesh	An Empirical Rate Constant Based Model to Study Capacity Fading in Lithium Ion Batteries	International Journal of Electrochemistry (accepted for publication)	International
K. VenkatRatnam, P. Raja Sekhara Rao & P .Lalitha	Delay Independent Stability of Co-operative and Supportive Neural Networks	Nonlinear Dynamics and Systems Theory, 15 (2), 184–197.	International
M. Kumar, P. Powduri& A. Reddy	An RGB image encryption using diffusion process associated with chaotic map	Journal of Information Security and Applications (Elsevier), 21, pp. 20-30.	International
P.K. Sahoo& M. Sivakumar	LRS Bianchi type-I cosmological model in f(R,T) theory of gravity with $\Lambda(T)$	Astrophysics and Space Science(Springer), 357(1):60, 1-12	International
P. K. Sahoo, K.L. Mahanta, D. Goit, A.K. Sihna, S.S. Xulu, U.R. Das, A. Prasad & R. Prasad	Einstein energy-momentum complex for a phantom black hole metric	Chinese Phys. Lett. 32(2), 020402	International
Madhu P Mamidala, M. Kalikiri, Praveen K. PTV, OmSai R. Vallamkonda, Rajesh N & Vidya Rajesh	Consanguinity in India and its association with Autism Spectrum Disorder	Autism Research,8(2):224-228.	International

T Raja Rani, T S L Radhika & Rajendar P	Comparison of HAM and Numerical solutions for a free convection problem with variable fluid properties, Heat source / sink and Radiation	Journal of Information and Optimization Sciences (accepted for publication).	International
T S L Radhika & T Raja Rani	Pulsatile flow of micropolar fluid in an elastic tube – a model developed for estimating arterial stiffness	Asian Journal of Mathematics and Computer Research (accepted for publication).	International
T S L Radhika, Aditya A, Rohit P	Comparison of ham and exact solutions for the problem of couple stress fluid flow in a circular pipe	American Journal of Applied Mathematics And Mathematical Sciences (accepted for publication).	International
T S L Radhika, T K V Iyengar	Stokes flow of an incompressible couple stress fluid past a porous spheroid	Indian Journal of Mathematics and Mathematical Sciences(accepted for publication).	National
T K V Iyengar, T S L Radhika	Stokes Flow Of An Incompressible Micropolar Fluid Past A Porous Spheroid	Far East Journal of Applied Mathematics, Vol 90(2), pp 115-147.	International
T K V Iyengar, T S L Radhika	Couple Stress Fluid Past A Porous Spheroidal Shell With Solid Core Under Stokesian Approximation	Journal of Scientific research and reports , 6(1), 43-60.	International
D. Ghosh and D.Chakraborty	Analytical Fuzzy Plane Geometry III	Fuzzy Sets and Systems (accepted for publication)	International
Kurra, S., & Regalla, S. P	Multi-objective optimization of single point incremental sheet forming using Taguchi based grey relational analysis	Int. J. Materials Engineering Innovation	International
Uma Maheshwera Reddy Paturi, Suresh Kumar Reddy Narala	On a novel solid lubricant technique: A study on the tribological characteristics under dry slide condition	I Mech E: Journal of Engineering Tribology	International
Uma Maheshwera Reddy Paturi, Suresh Kumar Reddy Narala	Constitutive flow stress formulation for aeronautic aluminum alloy AA7075-T6 at elevated temperature and model validation using finite element simulation	I Mech E: Journal of Materials: Design and Applications	International

A Marques, Suresh Kumar Reddy Narala, AR Machado, Rakesh Kumar Gunda, Saravan Kumar Josyula, RB Da Silva and MB Da Silva	Performance assessment of MSQ: Minimum quantity solid lubricant during turning of Inconel 718	I Mech E: Journal of Engineering Manufacture (Professional Engineering)	International
Nikhil T, Shreyas M, Jeevan J, Karthik Teja M	Predicted and Measured Thermal Profiles During Friction Stir Welding Process of Aluminium-alloy	International Journal of Applied Engineering Research	International
RK Desu, HN Krishnamurthy, A Balu, AK Gupta, SK Singh	Mechanical properties of Austenitic Stainless Steel 304L and 316L at elevated temperatures	Journal of Materials Research and Technology	International
AK Gupta, SC Guntuku, RK Desu, A Balu	Optimisation of turning parameters by integrating genetic algorithm with support vector regression and artificial neural networks	The International Journal of Advanced Manufacturing Technology	International
Nitin Kotkunde, S. Srinivasan, G. Krishna, AK. Gupta, SK. Singh,	Influence of Material Models on Theoretical Forming Limit Diagram Prediction for Ti-6Al-4V Alloy at Warm Condition	International Journal of Transactions of Nonferrous Metals Society of China	International
Nitin Kotkunde, M. Prasad, A. Arote, AK. Gupta	Experimental and numerical study of formability for EDD steel.	Materials Today: Proceedings	International
Kurra Suresh, Nasih Hifzur Rahman, Srinivasa Prakash Regalla, Amit Kumar Gupta,	Modeling and optimization of surface roughness in single point incremental forming process	Journal of Materials Research and Technology	International
Kurra Suresh, Srinivasa Prakash Regalla	Parametric Study and Multi-objective Optimization in Single Point Incremental Forming of EDD Steel Sheets	IMechE, Part B: Journal of Engineering Manufacture	International
Devasenan Madhesh, Rajagopalan Parameshwaran & Siva Kalaiselvam	Experimental Studies on Convective Heat Transfer and Pressure Drop Characteristics of Metal and Metal Oxide Nanofluids Under Turbulent Flow Regime	Heat Transfer Engineering	International
SM Hussaini, SK. Singh, and AK Gupta	Development of Experimental and Theoretical Forming Limit Diagrams for Warm Forming of Austenitic Stainless Steel 316	Journal of Manufacturing Processes	International

MM Pandey, A Jaipal, SY Charde, P Goel, L Kumar	Dissolution enhancement of felodipine by amorphous nanodispersions using an amphiphilic polymer: insight into the role of drug-polymer interactions on drug dissolution	Pharmaceutical development and technology, 1-12	International
A Jaipal, MM Pandey, SY Charde, PP Raut, KV Prasanth, RG Prasad	Effect of HPMC and mannitol on drug release and bioadhesion behavior of buccal discs of buspirone hydrochloride: In-vitro and in-vivo pharmacokinetic studies	Saudi Pharmaceutical Journal Volume 23, Issue 3, July 2015, Pages 315–326	International
P. Char, S. Banik, D. Bandyopadhyay	Comparative study of hyperon equations of state in supernova simulations	The Astrophysical Journal, 809 116, 2015	International
Smruti Smita Lenka, B. Hareesh Gautham	Nucleosynthesis in neutron star crust	10.15415/jnp.2015.22009	National
P. Char, S. Banik	Comparison of Hyperonic Equations of State for Core Collapse Supernovae Simulations	Recent Trends in the Study of Compact Objects (RETCO-II): Theory and Observation, ASI Conference Series, 2015, Vol. 12	National
M. Naveen Kumar, K. V. S. Shiv Chaitanya, Bindu A. Bambah	Quantum Entanglement in Coupled Lossy Waveguides Using SU(2) and SU(1, 1) Thermo-Algebras	In press Journal of Modern Physics	International
K.V.S. Shiv Chaitanya, S. Sree Ranjani, Prasantha K. Panigrahi, R Radhakrishnan and V. Srinivasan	Exceptional Polynomials and SUSY Quantum Mechanics	Pramana, DOI: 10.1007/s12043-014-0882-7	International
B. Rajesh Kannan and B. Harihara Venkataraman	Structural and dielectric properties of strontium bismuth samarium tantalate layered perovskites	Ferroelectric Letters, 42 (2015) 18-26 [Publisher : Taylor and Francis]	International
Rahul Nigam	Tri-generative Stochastic Model of Population Growth	Journal of Advances in Mathematics, ISSN 2347-1921, Vol 10, No. 2, March 2015	International
Sandeep Aashish and Asrarul Haque	Average Lorentz self-force from electric field lines.	Eur. J. Phys. 36 (2015) 055012	International
A. K. Kapoor	Shape invariant rational extensions and potentials related to exceptional polynomials	<i>Int. J. Mod. Phys. A</i> 30 , 1550146 (2015)	International

A. K. Kapoor	Shape invariant potentials in higher dimensions	Annals of Physics 359 (2015) 125–135	International
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ANNEXURE 2(b)

1. Dipti Razdan and A.B. Chattopadhyay, "Some Aspects of Analysis of a Micromirror", Research Journal of Applied Sciences, Engineering and Technology 10(6): June, 2015, ISSN: 2040-7459; e-ISSN: 2040- 7467 Maxwell Scientific Organization, 2015, pp 652-662.
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Annexure 3 – Conferences, seminars & workshops conducted

- Civil Engineering Department organized one day convention on 25th April 2015, Civil Infrastructure Systems- An Academia-Industry-Public Collaboration. This convention was attended by following experts
- Mr. Nisheeth kr. Singh, Asst. Vice President (Projects) Kalpataru Power Transmission Ltd., Delhi
- Mr. Raj Kamal Yadav, Planning Manager, Cushman & Wakefield (I) Pvt Ltd., Gurgaon
- Mr. Vijay Sharma, Head (Product Development) at Delhi International Airport, GMR Group
- Dr. Errampalli Madhu, Principal Scientist, Central Road Research Institute (CRRI), New Delhi
- Mr. S. S. Khandelwal, Associate Director, Consulting Engineers Group, Jaipur
- Department of Chemistry organized International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration, (NDCS-2015) during October 16-18, 2015.
- Department of Chemistry organized Q-Chem Users' Workshop on October 19, 2015.
- Dr. Navneet Gupta and Dr. Hari Om Bansal was Convener and Organizing Secretary of *National Conf.on Adv. in Microelectronics, Instrumentation and Communication* (MICOM-2015) organized by EEE Department, BITS-Pilani, Rajasthan during Nov 20-21, 2015.
- One day symposium on “Modeling and Computational Fluid Dynamics” on 4th April 2015
- **International Conference on Evidence Based Management 2015:** Department of Management, BITS Pilani, Pilani Campus organized a two-day international conference on Evidence Based Management
- International Conference on Trends in Cell and Molecular Biology 2015 (TCMB 2015)' held at BITS Pilani K K Birla Goa Campus, Goa, India from 19-21st December, 2015. This conference brought together biochemists, molecular biologists, cell and developmental biologists, computational biologists to a common platform to share their research and find global partners for future collaborations. Major sponsoring agencies were DBT, SERB (DST), ICMR, BRNS.
- The 2nd International Conference on TerraPreta Sanitation and Decentralized Wastewater System was held at Birla Institute of Technology and Science Pilani, K K Birla Goa Campus from 19th - 20th November 2015. The conference brought together researchers, scientists and professionals working in the field of Terra preta sanitation and other decentralized wastewater systems. Major sponsoring agencies were German technical Cooperation (GIZ), DST and DBT.
- “NEW FRONTIERS IN CHEMISTRY - FROM FUNDAMENTALS TO APPLICATIONS” (NFCFA2015) [December 18-19]. Funding agencies: DST, DRDO, BRNS, Royal Society of Chemistry-India, DSTeGoa, Syngenta, TCI chemicals etc.

- A technical session entitled "Chemistry & Industry- An Outlook" was organized on 22-08-15. The session focused on various aspects including current trends in Research & Development, safety
- 16th International Conference on Distributed Computing and Networking, organised & hosted by BITS Goa from 4 June 2015 to 6 June 2015. Source of funding: Google, Accenture, TCS, IBM & DEITY.
- ACM India Annual Event 2015 jointly organised with Goa University, ACM Goa Chapter at BITS Goa from 5th February to 7th February 2015. Source of funding: ACM India , Persistent Systems
- Advances in Robotics, July 02nd -5th 2015, in collaboration with Robotics Society of India.
- Workshop on "Advanced Programming Techniques in MATLAB" By Ms. Loren Shure, Ph.D., MathWorks Technical Ambassador at MathWorks, USA, (24- Jul-2015).
- Workshop on "Modern Underwater Systems", Conducted with NIO, Goa (29th – 30th August 2015).
- Organized a 3-day conference "tiNai Ecofilm Festival and National Conference on Celebrating Landscapes and Waterscapes" 8-10 October 2015. (Coordinators: Rayson K Alex and Reena Cheruvalath. About 75 participants and 25 papers. ICSSR 2 L sponsorship.
- Organized a three-day IACLALS Annual Conference on "Space, Place, Travel, Displacement, Exile" during 12- 14 February 2015 . (Organizing Secretary : Nilak Datta; Coordinators: Geetha, Amitendu, Basavadatta; 100 participants; 80 papers ; Sponsors : ICSSR, Axis bank, VMSIHE).
- Organized a workshop on Number Theory and Cryptography from December 15 to December 17, 2015.
- Co-organized one-day University level Curriculum Review Meet with Department of Mathematics, BITS Pilani Pilani campus on 28th July, 2015. Prof. A. K. Pani, Senior Professor, Department of Mathematics, IIT Bombay was one of the experts present over here and the second expert Prof. G. Rangarajan, Professor, Department of Mathematics, IISc, Bangalore was present in Pilani. The meeting was held via telepresence and mathematics faculty from all the four campuses participated in it.
- Co-organized a workshop on "Advanced Programming Techniques in MATLAB" on July 24, 2015 in collaboration with EEE, Mechanical and Physics. Dr. Loren Shure, Mathworks technical ambassador delivered three lectures during the event.
- Organized in collaboration with IIT Bombay, an "Advanced Level Training Program on Differential Equations" from May 25 to June 14, 2015.
- Two days workshop on Recent Trends in Automobiles for Students and Faculty Members of BITS Pilani – Goa Campus- It was comprehensive workshop where each student have got a live demonstration on engines. Recently used technologies in the automobiles by different automobiles companies like CRDI, VGT, EGR, ECUs etc have been focused. It is conducted Medhaavi Center for Automotive Research. Dr. Ranjit S Patil – Department of Mechanical engineering was a faculty co-ordinator.- 10-11th October 2015
- One day Workshop on Effective Teaching and Learning for TA's and Research Scholars at BITS Pilani KK Birla Goa Campus- This was organized by Teaching Learning Centre of the institute and Dr. Varinder Singh from the Department of Mechanical Engineering Department contributed to it- 11/29/2015

- The Physics department of BITS-Pilani K K Birla Goa campus organized the “XXIX SERC Main school in Theoretical High Energy Physics” during the period 20th December ,2014 – 8th January,2015- a 20 days long activity. About 40 PhD students and 12 Professors from several IIT,IISc,NIT, Research Institutes and Universities spanned all over India participated in this school . Some of the departmental PhD scholars and few undergraduate Physics students also took part in this school. Four courses (i) Flavor Physics, (ii) Wilsonian Renormalization Group and Effective Field Theory, (iii) Application of Effective Field Theory and (iv)Introduction to Anomalies in Quantum Field Theory in the area of Theoretical High Energy Physics were taught by eminent scientists. Coordinated by Drs. Prasanta Kumar Das(School Director), Gaurav Dar, C.Sharma, V. Sunil Kumar, Kinjal Banerjee, Madhu K, Tarun Kr. Jha, P.N.Deepak, and their teams made the school a success.
- NGPE-2015 Part C (An examination in experimental skill) was conducted this year at Department of Physics, BITS – Pilani, KKB Goa Campus, Zuarinagar Goa on Sunday, June 7, 2015. Prof. Arun V Kulkarni was designated as Examination Superintendent and Prof. Rajendra from Carmel College, Nuvem Goa as Local coordinator respectively for the said examination. Out of the top twenty – six students, (among 102 National Toppers) who qualified for this examination, only twenty reported for the Part C. The National toppers are selected from about 375 students who were above cut off from among over 10000 students who have answered NGPE Parts A and B on January 25, 2015 throughout the country at 236 centers.
- Chemical Engineering Students Association (ChESA) organized a one day technical intraction on “Engineering Problems solving Using EXCEL” by Chemical faculties (Dr Nidhi, Dr Gulyani, Dr Nishant & Dr Prakash), on 12th Dec, 2015. The workshop was a tremendous success and saw enthusiastic participation. All attendees were handed a certificate of participation.
- The EEE department and Dr. R Gomathi Bhavani as Coordinator have organized one day workshop on “Power engineering and Industry Practices” on 10-DEC-2015 in collaboration with Twinvey Electric Consultancy, Dubai and DNJ Energy L.L.C., Dubai. The lectures by industry experts were supplemented with the following indoor/outdoor demonstrations: CT magnetizing curve, Relay test, Contact resistance measurement of circuit breakers, Wenner method.
- A short term course on Network Management has been conducted at CS dept., during 2 NOV - 21 NOV, 2015 and 46 students of BPDC attended the same. The professional experts from NETTECH, KOLKATA Dr. Swapan Purkait and Ms. Sunanya Shetty imparted hands on training to our students on Network Management and Ethical Hacking
- One day Interactive session with industry experts on "**Diagnostics and Healthcare with Focus on Expo 2020**" on 15th December 2015.
- BITS Pilani Dubai campus organized a two day Science and Technology workshop for school students on 20th and 21st December 2015. The workshop was organized to motivate the school students towards science and technology. The workshop was designed to provide hands on experience and exposure to the engineering laboratories.
- 17 students from 6 different schools of UAE participated in the workshop. The students worked in five different laboratories and learnt from electronics and mechanical engineering to computer science, chemical and Biotechnology. They learnt from computer animation and web page development to flying an unmanned Arial vehicle, viewed tiny microbes under the microscope and saw the making of a robotic arm.

- Sports activities like basket ball, foot ball, chess and badminton kept them occupied during their evening stay in the hostel. The workshop was a fun filled experience for the students.

Annexure 6 - BEST PRACTICES

Format of Best Practice: 1. Curriculum Redesign

1. Title of the Practice: Curriculum Redesign

2. Objectives of the Practice Process: One aspect of the philosophy of BITS is that a curriculum should be dynamic (i.e. adaptive to external changes), flexible (offer enough options for students), and customizable (i.e. teachers can bring in their expertise and adapt it to a context). With this in mind, BITS enables continual assessment and frequent revision of the curriculum without losing its rigor. Feedback from students, teachers, employers, and external experts from academia / industry is incorporated into the curriculum at different levels of granularity at different intervals of time ensuring the curriculum is robust and nimble.

3. The Context: BITS is a student-centric University, enabling immediate employability of students while ensuring that they acquire life-long learning and adaptation skills makes it challenging to decide on content and pedagogy. Despite these constraints and the challenges BITS has managed to ensure that curricular changes are carried out in a timely and rigorous manner.

4. The Practice: In 2010, BITS Pilani evaluated the curriculum of each of its first degree programs in B.E. (Hons.), B.Pharm., M.Sc.(Hons.), and M.Sc.(Tech.) and higher degree programs in M.E., M.Pharm., and M.B.A. programs. The evaluation included a benchmarking exercise for each program against three top Universities in India and abroad in that discipline. Twelve different specializations in first degree and more than thirty different specializations in higher degree were benchmarked using a set of forty eight parameters under Program Structure, Course Content, and Pedagogy.

The benchmark results were used to synthesize an integrated curriculum for all first degree programs and a generic structure for higher degree programs. Subsequently, the details of the benchmark were used by the Departments to strengthen the curriculum in terms of its courses and contents. Pedagogic aspects were also improved across the board. The curriculum was rolled out from 2011-12 onwards and the first batch of first degree students graduated with the new curriculum in 2015.

The highlight of the process of redesign was the consultative exercise wherein about 120 faculty members across the four campuses were directly engaged in multiple rounds of workshops in benchmarking, analyzing, and deciding the general structure and pedagogic elements of the curriculum. Subsequently, about 200 faculty members designed the discipline specific courses and content across multiple departments and programs offered.

The impact of the curriculum has resulted in increased depth of specialization / discipline specific courses in the first degree curriculum without compromising the integrated nature and cross-disciplinary philosophy of education at BITS Pilani. Specific highlights of the new curriculum include increased Humanities requirements for all first degree students, more elective choices for students,

increased emphasis on practical / hands-on learning, increased emphasis on open assessment practices such as take-home assignments, seminars, literature survey, team work and other aspects. A more systematic process of feedback and review is carried out over a longer period of time. Every few years, visiting committees (per Department) of experts from other academic institutions visits and assess the Department (across the campuses of BITS) for its faculty strength, research, teaching, and institutional processes. This was carried out in August to October 2013.

Besides the above we have also started a process of external review of curriculum by experts from academia and industry for each Department. This is currently going on since August 2015.

BITS has also been engaging consultants to interact with and elicit views from potential / current employers of our on-campus / off-campus students regarding their expectations from our students, their assessment of qualities of our students such as preparedness, domain-specific skills, and intellectual / professional adaptability.

The above feedback mechanisms are importantly supported by student feedback per course in each semester and instructor experience. Feedback is then distilled and curated into structural, content, and pedagogic requirements for the curriculum.

5. Evidence of Success The impact of the curriculum redesign processes has been validated by student feedback as well as external feedback through different channels. It is found that:

- Employer feedback and responsiveness has been improving.
- Sustained and high-quality employment opportunities and offers for our students that withstand market fluctuation.
- Feedback from external reviewers has been strongly positive.

6. Problems Encountered and Resources Required

- The process is highly man-power (i.e. faculty time) intensive.
- Engaging external agencies introduces noise that is not always easy to filter.
- While the curriculum is robust and nimble, it is not easy to forecast success of such revisions.

Format of Best Practice: 2. *Industry Engagement as a curricular aspect*

1. Title of the Practice: Industry Engagement as a curricular aspect:

2. Objective of the practice

BITS has an educational philosophy that establishes a dialectical link between theory and practice. The university curriculum is continuously being innovated upon and refreshed to reflect the latest developments in technology and trends within industry. Pure academics are supplemented by pervasive industry engagement through the Practice School.

3. The Context

BITS is an Institution of national repute with a mission to advance knowledge and educate students in science, technology, and other areas of scholarship that will best serve the nation and the world in the 21st century. It is one of the few universities that has created an institutionalized framework

for achieving a vibrant environment that successfully inculcates an ambience for experiential and cooperative learning and education.

4. The Practice BITS has introduced industry internship as integral part of its curriculum. Each student has to do an industry internship of seven and half months before he graduates. The PS programme in the BITS curriculum has two components, namely PS-I of two months duration implemented during the summer following the 2nd year and PS-II of five and a half months duration implemented during either of the semesters of the final year. The academic curriculum of BITS takes the classroom for a specified period to a professional location where the students and the faculty along with the industry experts get involved in real life problems.

Practice School Programme of BITS has been successfully implemented for the last three decades. The planning process for Practice School begins almost one year in advance. The various steps include (i) deciding the list of eligible students (ii) carrying out a demographic analysis to establish region wise targets for the number of stations and seats, (iii) identifying list of assignments through Problem banks (iv) confirming the continuation of existing stations and initiating new stations. This ensures that an adequate number of suitable projects are available from the various organizations (existing and new) to comfortably accommodate all the students. Based on this information, the students submit their preferences for the various projects and organizations. The allotment of students is done on the basis of the CGPA of the students, by matching the project requirements with students' profiles, keeping the preferences and the merit of the students in view along with any particular requirements specified by the organizations. Practice School stations are spread throughout India and abroad covering various sectors.

5. Evidence of Success

BITS, Pilani model of education has a structured method for integrating education with practical work experience and accommodates an enriched environment of multiple learning levels and schedules for all its partners.

- Started in 1973; expanded exponentially from 4 students to 2500 students;
- More than 400 organizations participate in Practice School Programme
- Continuing successfully from last four decades;
- Covers all disciplines;
- Practice school stations across the country and abroad;
- 100% students participate in PS;
- Average stipend paid by industries to students is around 20K.
- Replicated in other universities

Through the PS initiative, nearly 10000 students per annum are likely to gain industry exposure in more than 1000 industries and be employment ready by 2030.

6. Problems Encountered and Resources Required:

For continued success with increasing number of campuses and students it is important to have:

- a) Participation of adequate number of organizations: BITS has forged strategic partnerships that focus on one or straddle multiple areas through focused efforts on sustained industry engagement over the years. This has ensured mutually beneficial relationship from committed organizations spread across the country and abroad.
- b) Participation and sustained commitment and dedication of faculty members
- c) Active Student Participation
- d) Monetary Resources

Annexure 7 -Welfare schemes available for teaching and non- teaching staff

- **Education Fee Reimbursement Policy:** Employee, children, spouse are eligible for support for education where significant amount of tuition fees, etc. are reimbursed by the institute up to 90 %.
- **Medical expense reimbursement Policy:** Medical attendance and treatment including reimbursement of medical expenses (up to 90 %) incurred by the members of the staff on themselves and their families are covered under a separate medical reimbursement policy for in-patients /out-patients. In addition, all campuses have an in-house medical centre with competent physicians, para-medical staff to attend to immediate needs and small emergencies. The institute also has tie-ups with specialty and major hospitals nearby campuses for priority treatment of BITS staff and students whenever they are referred to higher centres. State of the art ambulance(s) are also available in –house or on call.
- **Subsidized Accommodation on campus:** All faculty and staff are provided accommodation on campus as per availability. All campuses (except Dubai) provide accommodation for all employees within the campuses they are fully residential.. In cases where it is not possible for the Institute to provide accommodation within campuses, temporary arrangements are made to house them in identified housing outside campus with arrangement for their transport to campus and back. Future expansion plans to accommodate faculty and staff within campuses as per growth plans are in the pipeline. In case of Dubai campus, where it is not possible to own land for construction of housing complex by the Institute, HRA is extended as per rules.
- **Loans (housing, computer, furniture [interest free], vehicle)**
All employees are eligible for aforementioned facilities as per defined guidelines.
- In addition to the above, all employees are also eligible for PF, Gratuity, Casual/special/ vacation leave, leave travel concessions, TA/DA, as per Institutional norms defined elsewhere.

All the faculty and staff utilize most of these facilities on an annual basis as per eligibility and guidelines of the Institute

ANNEXURE 8 – SPORTS and CULTURAL EVENTS

PILANI CAMPUS

BITS Open Sports Meet

The BITS Open Sports Meet (BOSM) was conducted successfully from 18th to 22nd September 2015. As in the past the institute organized an intensive coaching camp from 3rd to 22nd September 2015. Rajasthan State coaches were invited to prepare Institute's teams in various events. More than 1200 outstation students from all over the country participated in the meet. The meet was characterized as having displayed sportsmanship spirit and was full enthusiasm.

The results were as follows:

1. Athletics (Boys) Winner – IIT, Delhi
Runner-up – BKBIET
2. Athletics (Girls) Winner – IIT, Delhi
Runner-up – BITS, Pilani
3. Badminton (Boys) Winner – BITS Pilani
Runner-up – MDU Rohtak
4. Badminton (Girls) Winner – BITS Pilani
Runner-up – MNIT Jaipur
5. Football (Boys) Winner - Sri Venkateshwara College
Runner-up – BITS, Dubai
6. Power-lifting Winner – BITS, Pilani
Runner-up – NIIT
7. Hockey (Boys) Winner – JNVU
Runner-up – TIT & S
8. Swimming (Boys) Winner – BITS, Pilani
Runner-up – NIT Trichy
9. Swimming (Girls) Winner – BITS, Pilani
Runner-up – NIT Trichy
10. Table Tennis (Boys) Winner – BITS Pilan
Runner-up – Subodh
11. Table Tennis (Girls) Winner – Kanoria
Runner-up – BITS Pilani
12. Volleyball (Boys) Winner – Loyola Academy
Runner-up – BKBIET
13. Volleyball (Girls) Winner – JMC
Runner-up – JDMC
14. Basketball (Boys) Winner – SRCC
Runner-up – HANSRAJ
15. Basketball (Girls) Winner – LNIPE
Runner-up – SRCC
16. Cricket Winner – BITS, Pilani
Runner-up – MRCET
17. Chess Winner – SRCC
Runner-up – BITS, Pilani,
18. Tennis (Boys) Winner – LNIPE
Runner-up – St Xaviers Jaipur
19. Tennis (Girls) Winner – Kanoria College
Runner-up – BITS Pilani
20. Carrom Winner – RAIT

Runner-up – BITS, Pilani

21. Squash Winner – LNIFE

Runner-up – BITS, Pilani

22. Taekwondo (Boys) Winner – BITS, Pilani

Runner-up – GOSEDMA

22. Taekwondo (Girls) Winner– GOSEDMA

Runner-up – BITS, Pilani

The Intra-BITS Sports Tournaments

I-BOSM '2015 : Pre-BOSM EVENT NAMED i-bosm 2015 was conducted on 22-04-2015. Around 400 students participated in the event. Prize giving ceremony was conducted in the end of the semester

League Competition : Hockey league competition was conducted from 15-10-2015 to 20-10-2015. Around 72 students participated in the league.

Outstation Participation

Various sports teams consisting 138 students were sent to participate in Sangram '15 a Sports Meet held at IIT Roorkee, during 20th to 22nd March 2015. 26 students of certain sports went to BKBIET, Pilani to take part in Quasar 2015 from 26th to 29th October 2015.

Swimming Club

The Swimming team distinguished itself by its performance in BOSM 2015 winning by 13 Gold, 11 Silver, and 16 Bronze Medals.

Health Club

The Health Club is equipped with various advanced machines for aerobic and anaerobic exercises. During II Semester 2014-2015, the Health Club had a membership of 800 while in I Semester 2015-2016 it was 933.

Martial Arts

☑ Martial Arts classes are conducted at Students Activity Center in both morning and evening sessions. Around 70 students attended the classes regularly, out of which 25 students were trained in competitive martial arts skills.

☑ A martial art camp for specially the girl students to train them in basic self defense and boost their confidence was conducted from **2nd -14th Feb' 2015**. Around 40 girls participated in this camp.

☑ Martial arts Taekwondo team (**M and W**) participated in various tournaments nationwide. The details are as follows:

☑ All India Inter - *University Taekwondo* (Men & Women) Championship 2014 - 15, **13-17 March 2015, Chennai**, which was organized by Anna University.

Participation: Aditya Deshmukh

Parikshit Joon

Aditi Bansal

Aishwarya Chopra

☑ **BOSM 2015, 18-22 September 2015 ,Pilani**

Gold: Abhishek Prasad, Aditya Deshmukh , Parikshit Joon, Aditi Bansal

Aishwarya Chopra, Indu Sharma.Aman agarwal, Devopriya

Silver: Kartik Gandham Vidushi Chitranshi, Rohit soni,

Rajasthan State Senior Poomse Championship, 28-29 September 2015, Jaipur

Under 30 Individual Men

Gold: Aditya Deshmukh (selected for nationals)

Under 30 Pair

Silver: Aditya Deshmukh

☑ **Rajasthan State Senior Taekwondo Championship, 9-11 October 2015, Jhunjhunu**

Gold: Abhishek Prasad

Silver: Kartik Gandham , Indu sharma, Vidushi Chitranshi, Udit Totla

Bronze: Parikshit Joon

☑ **National Poomse Championship, 25-27 October 2015, Vishakhapatnam**

Participation: Aditya Deshmukh

Hockey Camp

A camp on learning basic skills of Field Hockey was conducted by Sports Club from 6th April 2015 to 11th April 2015 in which a total of 82 students were registered and 48 students regularly attended the same. The certificate-giving Ceremony was held at the end of the semester.

Tennis Camp

A camp on learning basic skills in Tennis was conducted by Sports Club from 6th April 2015 to 11th April 2015 in which a total of 64 students were registered and 47 students regularly attended the same. The certificate-giving Ceremony was held at the end of the semester.

OASIS 2015

BITS Pilani celebrated the 45th edition OASIS. Its annual cultural festival from 28th October to 1st November 2015. This festival, managed entirely by the students, was mainly sponsored by Infoview, SBI, HTC. It attracted about 1600 outstation participants from about 70 colleges situated all over the country. The festival hosted as many as 80 events which were based on music, art, dance, photography, drama, literature and every other cultured aspect of the college life. The theme of the festival was "around the world in 96 hrs". The music concerts by Mr. Papon The Local train, Pandit Vishwamohan Bhatt a DJ night by sunburn and a comedy show were among the several highlights of the festival. The festival also witnessed various workshops of dance, music and pottery. Events like desert dull, start plays, fashion parade, Mr. and Ms Oasis debate BLAB etc caught the limelight a students from all over the country were able to stage and show case their talents. The National service Scheme and NIRMAAN along with several Ngo's set up an exhibition for the sale of village potteries, governments and others handcrafts. In the words of Mr Akhil Reddy, the President of the Students' Union. "OASIS is a 96 hour long cultural extravaganza entirely organized by students and is one of the best cultural festivals in Asia.

APOGEE 2015

APOGEE is the Annual international technical festival OF BITS Pilani. With over 8000 students, 100 colleges and 80 technical events, APOGEE 2015 was conducted from 25th to 29th March 2015. The chief sponsors for the festival included Airtel, MTV India and the Al Fara'a group. It provided opportunities to bright research-oriented minds fostering fruitful innovation through events that include Guest Lectures, Panel Discussions, Project, Paper Presentations, Hackathons, Programming Events, Workshops and Exhibitions extending over a period of five days. The Think Again Conclave was the major attraction of the festival with greats like Prof. Walter Bender (Founder MIT Media Labs), Divya Narendra (co-founder Harvard Connect and Sumzero), David J Peterson (Linguist), Dr. Bindeshwar Pathak (social worker and founder, Sulabh International) and Shma Chaudhury (acclaimed journalist) gracing the stage and making the event an astounding success. APOGEE 2015 surely took the standard of APOGEE as a festival a few notches higher.

INTERFACE 2015

All India Management Convention, Interface 2015

38th All India Management Convention, Interface 2015 was organized by the Department of Management of BITS Pilani on 6th February to 8th February 2015. Interface serves as a platform for students and professionals to come alive with the skills and ideas that are necessary to run the ever dynamic and fast growing industries in India. It's a Pan-India Management Convention where students showcase their exceptional managerial dexterity, innovative business ideas and incomparable entrepreneurial skills. Interface which started as an annual event in 1978 has been running every year with increasing participation from various colleges across the country.

The three days Management extravaganza with the theme, 'Effervescence (Spark/Zeal to compete)' had several events including BodhOpera: Paper presentations(Operations), Great Final: Fiscal policy strategies (Finance) Mind Jolter: Case studies (Finance), Trade Maniac: Online Virtual Trading Event (Finance), Strategic CSR Plan Competition (HR) , Aavishkaar: Case Study Competition (HR), Ad Maniac: Creative advertisements (Marketing), Kaleidoscope: Case study (Marketing), Op-Arena (Operations), OperaGyaan: Workshops(Operations) , Manav Ojas (HR), Come.Save.Resolve(HR), Sarachana : Short Story Competition (Reflexionar), Doodle in a Muddle : Doodle Making (Reflexionar) etc.

Prof. G. Raghurama, Director BITS Pilani, Pilani campus graced the inaugural function. Dr. Chandrashekhar, Senior Scientist (CEERI) was the chief guest and delivered the keynote address. He laid focus on the importance of Management in every field, every possible area including day to day household activities. From the smallest and least important thing to the largest and most important thing cannot excel without proper Management. Our Guest of Honour Mr Divya Joshi (Vodafone corporate zonal affairs head) along with another Corporate veteran Mr. Mohit Chhabra enlightened the students on several corporate strategies specially related to marketing strategies used for proper functioning and growth of businesses.

After the inauguration ceremony, the valedictory ceremony of Interface 2015 turned out to be a mini corporate workshop rather than just being a prize distribution ceremony. Mr Gagan Arora, Chief Executive Officer (PrintVenue) and Mr. Lokesh Sikka, Talent Acquisition Head (Snapdeal) graced the event by sharing their experiences and their young Entrepreneurship talent as the mini workshop was more focused towards entrepreneurship talks. Finally the end of the event came with the felicitation and prize distribution ceremony.

RAGAMALIKA

The year 2015 was really eventful for Ragamalika and saw great experimentation. On Founders' Day the club performed Thyagaraja Aradhana as a tribute to the great composer Thyagaraja. The semester's flagship show was SANGAMAM based on a creative blending of two great classics "The Phantom of the Opera" and "Swan Lake ". The dancers enthralled the audience with their performance. The second semester 2014-15 came to an end with the senti concert of the veteran vocalist of the club, J KrishnaMurthy. The first semester of 2015-2016 began traditionally by inducting fresher's into the club. The newly inducted dancers and musicians showcased their potential through the freshers' concert. Ragamalika started a new tradition of Chamber concerts this year where in the club members put up a professional performance in front of a limited audience showcasing their talent. The club's major production Nritya Ranjani was titled Moksha. The show portrayed the nuances of dance by sticking to the classical repertoire and the main theme was based on the ultimate end of human life which is salvation. On popular demand, the club organised a concert of Rakshit Prasad, a Mandolin player which was enjoyed by all. Ragamalika collaborated with the team of Oasis, 2015 to organise a jugalbandhi concert of Pandit Vishwa Mohan Bhatt. The first semester then ended with the grand senti concert of the celebrated vocalist of the club, Rohan Shankar.

MATRIX

MATRIX started the semester with the recruitment process which saw a very enthusiastic participation from the first year students. Alongside the recruitment process, a movie screening was conducted. 'The Breakfast Club' was screened. A total of 12 first years were recruited.

The first years in their initiation phase were given a written assignment. They were asked to answer 2 out of 5 questions raised on topics of literature, politics and teenage years. All did a pretty good job with varied opinions and showed great potential in writing.

A few discussion sessions were held by Rishabh Agarwal, Vedant Mishra, Srishti Khatri and Arshad Latif Saikia. The discussions were on the works of Albert Camus, Sartre and Ayn Rand.

On September 5th, on the occasion of Teachers' Day, MATRIX collaborated with BITS Library to set up a book exhibition in the library with the theme 'Great Teachers and their works', under which around 200 books were displayed and made available to the students for circulation. This collection consisted of various genres like fiction, philosophy, auto-biography and self help. Members from MATRIX were present in the library taking turns for 4 days helping students pick from these books.

The first external panel was held with the professors pitching in. The introduction panel was done by Mr. Tapomoy Guha Sarkar, Dr. Devika Sangwan and our director Prof. Ashoke Sarkar.

In BOSM, the club conducted two football match screenings and a cricket quiz, which saw enthusiastic participation from students of BITS and other colleges participating in the fest. A total of some 150 participants were seen. The other event that followed was the 'Wheel of Fortune', a literature, cinema, TV-series, anime, comics and manga based entertainment contest. The BOSM coordinator was Avinash.

On October 31st, observing National Unity Day, the birth anniversary of Shri Sardar Vallabhai Patel, another book exhibition was set up in the library by the club.

The days preceding Oasis were spent in long hours of planning, work and discussions regarding the upcoming

events. In Oasis, MATRIX organized three events and three movie screenings. Triathlon, one of the major events of MATRIX was attended by around 300 students. It was hosted by Maaz Mombasawala, Eshan Tyagi, Ankit Dube and Arshad Latif Saikia. Movie Quiz was conducted by Neil Dave, Rishabh Agarwal and Sayan Maitra and holding up the benchmark set by its previous version, it was rated to be one of the toughest and excellently researched quiz. The movies that were screened were: 'Dil Chahta Hai', 'Amelie' and 'The Four Lions'. The 'Poetry Slam' saw good participation and had three rounds of judging various aspects of poetry. This event saw a very diverse set of participants from various parts of the country. The Oasis coordinator was Shaista Hussain.

In the month of November the second years reviewed two books 'The Fight Club' and 'The Great Gatsby' for the first year batch to get a feel for reviews. The Great Gatsby was done by Vedant Mishra and Krishna Sai. The writing style of the books had both the classic and post modern forms. The said books were made into movies also; so, the discussion encompassed both the movie versions and the original books.

MATRIX concluded the semester with a valedictory ceremony where the external panelists, Prof. Ashoke K. Sarkar, Dr. Devika Sangwan, Dr. Tapomoy Guha Sarkar and Mr. Tathagato Chakraborty were felicitated for their contributions.

Apart from the above mentioned events, the club had many other informal and internal discussion sessions spanning literature, movies short films and TV-shows. Moreover all the MATRIX books have been catalogued and centralized for easy access.

GOA CAMPUS

SPREE 2015

- ☑ The Institute's Cricket team won the finals; Badminton and Chess
- ☑ Carrom Team was runner ups in SPREE 2014.
- ☑ The football team won the GFA All Goa 3rd Division League and got promoted to 2nd division. The team was also runner up in SPREE 2015
- ☑ BITS, Pilani - K. K. Birla Goa Campus were overall Champions in SPREE 2014 national sports festival.

OPEN TOURNAMENT

- ☑ The Basketball team was runner-up in the All Goa Inter Collegiate Basketball Open Tournament organized by Don Bosco Oratory Panjim, in October 2014. The Tennis team won the Open Championship at Panjim, organized by Gasper Dias.
- ☑ One of our students Master Ramdas won the U-19 All Goa Badminton Tournament organized by Margao Club, and Hargun Oberoi won Cross Country championships.
- ☑ TENNIS; Rachit Aiyappa won the Open Tennis Tournament conducted by Panjim Gymkhana.
- ☑ Sidharth Mohan won the All Goa open Squash tournament October 2015.
- ☑ Institute Badminton team won the All Goa Badminton tournament conducted by Chicalim sports complex in October 2015.

HYDERABAD CAMPUS

Pearl - 2015

Pearl'15, the annual National Cultural Festival of BITS Pilani, Hyderabad campus has entered the 5th edition with a theme of Mythology. With headlining acts by Vishal Shekar and Xandria, Pearl has now become a fest of National repute. With almost 5200 students participating in it, Pearl is one of the most sought festivals in India hosted from March 14th - March 16th 2015.

The headlining acts were:

1. International Rock Show by Xandria for the first time in India.
2. Bollywood Show by Vishal Shekar.
3. Classical Performance by Aarushi Mudgal.
4. Coke studio night by Advaita.
5. Film star fame Mr. Nani and Ms. Akshara Hasan were the guests during the Fest.
6. DJ night by Nikil Chinappa VH1 Supersonic.

7. Glitterati fashion show.
8. Arts and deco constructed 13" Trojan horse with a theme Mythology.

Sports Activities:

ARENA 2015:

ARENA '15, National wide third Sports Festival was conducted from February 5th to 8th, 2015 Mr. Krishna Prasad Chigurupati & Mrs. Uma Chigurupati have participated in the inaugural of the event with participation of more than 100 colleges in various events like FOOT BALL, BASKET BALL, CRICKET, HOCKEY, VOLLEY BALL, THROW BALL, KABADDI, TENNIS, BADMINTON, CHESS, CAROM, TABLE TENNIS, BILLIARDS, DUATHLON & ATHLETICS.

ARENA is the annual sports festival of BITS-Pilani Hyderabad campus was launched to bring out the sporting spirit in students from different parts of the country, and to create an opportunity for them to take part in various sporting disciplines, over a period of Four days. Arena'15 saw around 3000 participants from all across the nation participating in many indoor and outdoor sports events, held for both boys and girls. There was a footfall of 4500. The fest offered a comprehensive entertainment and sportive atmosphere, not only competitions but also extravagant entertainment and professional shows.

BPHC vs IITH

This year also witnessed a bilateral Sports event with the IIT-Hyderabad team, an event on campus. BITS had a satisfactory performance with six victories in six events. IIT-Hyderabad was quite impressive with their fair play in all the events.

BPHC vs ICFAI, H

A bilateral Sports event with ICFAI-Hyderabad team, was conducted on campus. BITS had a satisfactory performance with three victories in three events. ICFAI-Hyderabad was quite impressive with their fair play in all the events

Cultural Activities:

Renaissance 2015:

For the first time, An Inter Bhawan Cultural Competition was conducted from 19th November to 27th November. With a huge participation, the competitive spirit was evident from the enthusiasm from the students. The Culturals ensured that the extracurricular factor was well covered with the academics on campus.

Shangri-La 2015:

The Auditorium was put to its fullest use with its grandeur on display as it displayed the campus by hosting the Dance Night, Music Night and the Theatre Night on three different days. The Arena Trailer, Verba Maximus Trailer and the Pearl Theme was released as part of the Grandest Shangri La 2015.

Other Events:

- On the occasion of Republic Day and Independence Day, BPHC RUN was conducted on 26.01.2015, 15.08.2015 for 2.7k & 5.4k in various Categories.
- Mahatma Gandhi Jayanti conducted on 02.10.2015.
- Students represented Hyderabad Campus at different youth festivals like OASIS, WAVES, SAARANG and MOOD INDIGO and won prizes in various categories.
- Important community festivals like Vasanth Panchami, Lohri, Pongal, Ugadi, Sri Rama Navami, Ganesh Chaturthi, Durga Puja, Diwali, Janmastami, Mahavir Jayanthi and Christmas were celebrated by the students with great enthusiasm. Various cultural activities were organized as part of the festivities.
- Journal Club release Journals during PEARL, ATMOS & ARENA and other major events..

DUBAI CAMPUS

STUDENT ACTIVITIES

BITS Pilani, Dubai Campus encourages student to meet each other in a friendly atmosphere to conduct professional/scientific activities such as institute-wide technical festival, Technofest and also to participate in scientific and professional bodies of international repute such as Student Branch of IEEE, SAE, ASHRAE, Dot-Net, Linux Users Group. There are 11 clubs namely Dance Club, Arts Club, Public Speaking & Literary Club, Music Club, Drama Club, Social & Environment's Club, Photography Club, Sports Club, Design Club, Fashion Club and Astronomy Club. The following were some of the important activities held during the year 2015:

1. The Public Speaking and Literary Club: The club organized three events during JASHN 2015, namely "Devil's Advocate", which saw a turnout of four universities and JAM where three universities participated. The club also held the first interuniversity ever Model United Nations in the university and it was a huge success. It was held on March 6th and 7th of 2015. First of its kind in BITS Pilani, Dubai Campus, the conference showed a participation of over 50 delegates from 8 universities. It consisted of three committees including a Security Council, General Assembly and the Human Rights Council. Devil's Advocate an Inter College event was organized by the club during Jashn, 2015. The event saw over 15 teams with 3 universities participating. JAM a Panel game in which the contestants are challenged to speak for one minute without hesitation, deviation or repetition on any subject that comes up on the cards was also organized by the club. QUILL AND PARCHMENT (ONLINE EVENT) an online literary festival was held, students were asked to send in a short story and a "haiku" or a Japanese style poem with three lines and a 5-7-5 syllables per line. The event was a success and saw a large number of entries.

2. Dance Club: Dance club won many laurels at various inter university competitions. BPDC team bagged first place in Eastern and Western category at the Inter-university Dance Competition at Jashn'15 organized by BITS Pilani, Dubai Campus. They won first Position in Group Dance at Vaudeville 2015 organized by Institute of Management and Technology, first Position in Group Dance, Carnival 2015 organized by Manipal University Dubai, first Position in Showdown-Western, Jashn 2015 at Bits Pilani Dubai Campus. The members of the club performed for Diro's Tea Party 2015, BITSAA Gurudakshana 2015, Ethnic Day 2015 and Ice breakers 2015.

3. Drama Club: The Drama club, Paribhasha, hosted 4 events in the year 2015. Two events, "Proscenium" 3 and "Impulse" were held during JASHN 2015. In Proscenium teams staged a 20 minute play and impulse had 3 rounds, "Ring zap", "Pantomime" and "Mad Ad". During SPARKS 2015 a new event Clash of classics was organized. Other events like "Impulse" were also held. A work shop was conducted by Dr Dinesh Yadav on Art of Directing and was organized by the club from 26th to 28th March 2015.

4. Art Club: The Art Club "Shades" has been active in every major event in 2015. It was responsible for the art work and decoration for Jashn and Enginuity. Props were provided for various events like impulse and street play. Also the club worked alongside the crew of the Arabian night's musical. Later in the semester, they were responsible for the Art work and decoration of Diro's tea party. Apart from that the Valentine's Day celebration and black tie event was also decorated by the club. The BSF 2015, Technofest and ethnic day decorations were also done by the club.

5. Music Club: The Music club organized various activities during Jashn 15, Eastern and western solo singing, duet singing and Battle of the bands. "Music Lessons" was an initiative to encourage an understanding among students that music is not only for those with talent but also for those who enjoy it and would love to learn it. This initiative received a lot of enthusiasm from the members. The music room was refurbished with new equipment such as Keyboard, Drums, Guitar Amplifiers, Mixer and Speakers. Sparks Music Events happened from 21-22 October 2015, with singing events, instrumental and Battle of the Bands. The Judges for the Singing events were reputed local artists, Moses, Miriam Thomas, Amogh Dasguru and for the Battle of the Bands, Sharon Sabastian, Akash Rai and Advait Vaidya. The club participated in Pink Day on 30 October 2015 an event which was organized in association with the Make a

Difference Club. On 5th November 2015, Music club gave 3 performances for the Ethnic Day program. The club ended the year on a high note by organizing a caroling event on 22 December 2015. This event was a grand success and was done for the Spirit of Christmas.

6. Sports Club: The Sports Club at BITS Pilani, Dubai Campus has always tried to promote, develop and improve the quality of sports as well as the facilities involving these sports. In the year 2015, sports club organized the following sports activities:-

- Inter-Year Boxing Championship and Annual sports day, Inter-Year Prize Distribution Ceremony: On 20th May 2015 organized Mega event Boxing Finals followed by sports awards ceremony for the academic year 2014 - 2015. Medals were handed out to the winners of the intra-university sports events including field and track events, cricket, throw-ball, volleyball, football, badminton, chess and table tennis. Director Dr. R.N. Saha presided the ceremony as the chief guest and gave away the prizes.
- Inter-University Tournaments:
 - 19th November 2015, BITS Pilani, Dubai Campus Football, Cricket, Volleyball, Basketball, Badminton and Athletics (Boys and Girls) teams participated in DIAC Cup Inter University Tournament organized by Dubai International Academic City student hub.
 - March 17-21, 2015, BITS Pilani, Dubai Campus Throw ball (Girls), Football, Cricket, Volleyball, Basketball, Badminton, Table Tennis, Squash, Tennis, Swimming and Athletics (Boys and Girls) teams participated in GMU Sports Festival Inter University Tournament organized by Gulf Medical University and BPDC teams won the Overall Championship.
 - From March 22-25, 2015, BPDC Badminton, Table Tennis, Squash and Tennis (Boys and Girls) teams participated in AUS Racket Inter University Tournament organized by American University of Sharjah and secured winners position in Table tennis (Girls & Boys) and Badminton, Runners up in Tennis boys.
 - From November 17-20, 2015, Badminton, Table Tennis, Volleyball, Throw ball, Cricket and Tennis (Boys and Girls) participated in Manipal Inter University Tournament.
 - From November 17-20, 2015, Badminton, Table Tennis, Volleyball, Throw ball and Cricket teams participated in Manipal Inter University Tournament.
 - BITS Sports Festival (BSF) was also organized by the club from Dec 6-9 2015.

7. ENGINuity 2015: An inter college tech fest was held from 16th of March 2015 to 19th March 2015. Various events were conducted by the technical associations and clubs of BITS Pilani Dubai Campus. Paper presentation, model making, coding challenges, Just a Minute, Parliamentary Debate and Business challenges were held as part of Enginuity 2015. A football quiz, Game of halves for the football fans was organized. A corporate event Battle of Strategies was also organized. Various colleges from across the UAE participated in the tech fest. On the final day of the event an award ceremony was organized to distribute medals and certificates to the winners of the various events. Code Blitz a programming, Fast and Curious an EEE event and the big Spilt, a Chemical Engineering competition was also held. **Bquizzed 2015** the biggest inter university quiz completion in UAE was held during Enginuity2015

8. JASHN 2015: An Inter college cultural festival 'JASHN 2015' was held during 14th-16th April 2015. The festival started with an opening act Arabian Nights a musical. The various clubs of BITS Pilani, Dubai Campus organized different events during the cultural fest which comprised of dance, drama, music, literary and art events to name a few. Participants included students from American University of Sharjah, American University of Dubai, BITRAK, Manipal University, Middlesex University, and Canadian University of Dubai, Amity University, IMT and Herriot Watt University. Events like Dance Drama, E Quiz, Battle of DJs, Battle of Bands, Pixels, Devil's Advocate, Singing, Short film, Fashion Show, etc were held. The prize distribution ceremony was held in the presence of the Director Prof. Dr. R. N. Saha.

9. Hostel Week Celebrations 2015: Hostel Week "Recharge" was celebrated in the Dubai Campus between the 4th to 8th May 2015, with a lot of fanfare. A special menu was prepared for the week for hostel students. Fun activities like Beg Borrow Steal, Blind Hit, Musical Chairs, Tug of Wars, Eating Competition, Antakshri,

Tambola, Kho Kho, Bathroom singing and many outdoor sports were organized. Indoor activities such as chess, carom, badminton and table tennis were organized as well. There was a huge response and participation involved by the hostel students, wardens and the staff. On the final day of the celebrations, a programme was organized in the auditorium. Prizes were distributed to the winners of the various events and various hostel students displayed their skills by dancing and singing on stage. The hostel staff was also honored during the event. A grand Buffet dinner was organized after the closing ceremony which marked the end of the celebrations.

10. Farewell Party: The 'DIROS Tea Party', a farewell party to the passing batch was organized by the Alumni Cell on 13th of May 2015. The event began with department photographs being clicked with the respective department faculty. A programme was then organized in the auditorium to bid farewell to the graduating students. The graduating batch and faculty members attended the ceremony. A dance performance by the Dance Club and music performance by Dr. Rafiuddin and the music club entertained the gathering. A lot of fun games were arranged and gift vouchers were awarded to the winners of the games. A 15 kg cake was cut by the students. The farewell ended with a dinner and on an emotional note.

11. Welcome Party: The Fresher's Welcome Party named "Ice-Breakers" was held on 10th September 2015. It was organized by the senior students of the college to welcome the new batch of students of 2015. The event began with students of the new batch breaking ice blocks with a sledge hammer. Dance and music events by the senior students entertained the gathering and students from the new batch were encouraged to display their skills on stage voluntarily. To conclude the welcome party in the auditorium a cake was cut. Refreshments were distributed to all attendees of the event.

12. BITS Sports Festival 2015: The Closing Ceremony of the 13th edition of the BITS Sports Festival took place on December 9th 2015 with the esteemed presence of Mr. Pulella Gopichand, Chief Coach- Indian Badminton Team who was the Chief Guest. Prof. VS Rao, Acting Vice Chancellor, BITS Pilani also graced the occasion as the Guest of Honour of the event. The event began with 'Flag Down' ceremony preceded by the Chief Guest and the Guest of Honour, along with the Sports Club Members. 5 days of sportsmanship, fun, and fervour- BITS Pilani, Dubai Campus successfully organized the 13th edition of the BITS Sports Festival this year. The fest kick started with a series of matches between 27 Universities across the UAE. The last day of the event was on December 9, Wednesday where all the finalists competed against each other to bag the winner title in the 14 categories of sports. The events organized were Throw ball (Girls), Football (Boys), Cricket (Girls & Boys), Volleyball (Girls & Boys), Basketball (Girls & Boys), Badminton (Girls & Boys), Table Tennis (Girls & Boys) and Chess (Girls & Boys). BPDC teams won the Overall Championship.

13. SPARKS 2015: Sparks 2015, an intra-college cultural event was held during 21-22 October, 2015. The event comprised of competitions held in the auditorium and were organized by the Dance Club, the Drama Club and the Music Club. The dance competition for the fest was divided into 3 categories: Western Group Dance, Eastern Group Dance and Dancing Doubles. There were drama events like Impulse and Street Play. Music events like Eastern and Western rounds of Solo and Duet singing, Instrumental Music and Battle of Bands. There were many brilliant performances that left the audience awestruck. All the judges were amazed at the splendid performances of the students and the hard work, effort and time put in to making this event a success was both prominent and commendable. Certificates of Merit were awarded to the top two performers / teams in each of the competitions. A food stall was also set up by the Student Council to tickle the taste buds of the students.

14. Ethnic Day: Ethnic Day is organized every year to celebrate the Foundation Day of BITS Pilani, Dubai Campus. The celebrations were held on the 5th of November 2015 at the campus. Students dressed up in ethnic wear on the day and an event was organized in the auditorium from 2:00 PM to 4:00 PM. The programme began with the lighting of the "diya" and the Director's address. Dance and music performances by students and the staff enthralled the audience. Several On-the-Spot competitions were conducted that were open to all students and faculty members and prizes were given to the winners. Mr. Ethnic and Ms.

Ethnic were announced after a few rounds of contest.

15. Technofest 2015: Technofest was held from 13th to 14th December 2015. Events were held like Just a Minute, etc by Literary club. Photography club also conducted a few events followed by numerous events from mechanical side like Model making and others by ASME, ASHRAE. Various coding events were also conducted by the ACM. The event concluded with paper presentation.

16. The Astronomy Club: The astronomy club was started during the first semester, 2015-2016. The club organized an orientation for the students, on 19th October 2015. The first bi-weekly session was held on 2nd November 2015 and a group discussion took place on astronomy on 8th November 2015. The second biweekly session was held on 23rd November 2015. The club hosted a discussion round on Star death on 15th December 2015.

17. Design Club: In October 2015 the event Graphic Design 101 was held. During which a Series of Graphic Design Workshop were Conducted by the club. It included basic learning of various softwares of AdobeCreative Cloud. In November a Photo Walk 201 was held. It was a learning experience for all photographers of BITS Pilani, Dubai Campus. 14 students attended the event and learnt various tips and tricks into photography. A photo book consisting of photos clicked by the photographers of BITS Pilani, Dubai Campus at the Photo Walk 2015 was released by the Director, BITS Pilani, Dubai Campus. The club has been contributing in many other events such as: Graphic Design & Illustration done for various events organized by ACM - BITS Pilani, Dubai Campus, Team IFOR, ASME, Sports Club, Drama club, Astronomy Club, Quiz Club, Fashion club and the Editorial Board - BITS Pilani, Dubai Campus.

18. Photography club: The club covered events like Jashn, Sparks, Recharge, Bits Sports Festival, Enginuity, Technofest, and they covered Talk and workshops coverages for all the disciplines. During Jashn '15' two events "PIXELS" and "FIRST CUT". Reflexions Orientation for Freshers Batch of 2015-2019 was held on 8th October 2015. A Workshops on General Photography and Image Editing Tutorials by student's from Reflexions Club was held on 6th November 2015. They covered TedX. Videography was held in BITS-PILANI, Dubai Campus (10th December 2015) and a Photowalk on Jabal Jais mountain "A NIGHT AT THE TOP".

Annexure 9- Scholarships

Indian Campuses

Financial Assistance to Students: The Institute spent Rs. 575.07 lakhs on scholarships to staff children/spouse/self to cover the fees for education at the Institute and local schools. Further, 2764 students received financial assistance of Rs. 1541.00 lakhs from different sources, details of which are given below:

S. No.	Particulars	No. of Students	Amount in Rs.
1.	UGC PG Scholarship	235	17625504
2.	Students Aid Fund	105	1714673
3.	Other States Scholarship	15	1188037
4.	Institute Merit Scholarship	406	26901620
5.	Institute Merit-cum-Need Scholarship	2003	106669951
	Total	2764	154099785

Dubai Campus

695 students received financial assistance of AED 4,793,175/- under different categories for the Academic Year 2014-15, the details of which are given below:

S.No	Particulars	Students Nos.	Amount in AED
1	Institute Merit Scholarship	553	3,603,500
2	Higher Degree and Doctoral Scholarship	73	516,300
3	Need-based Scholarship (Physically challenged, Bereaved family discount)	13	153,125
4	Others (Staff, Siblings, Sports, Special Concessions)	56	520,250
	Total	695	4,793,175

Annexure 10-Student Activities

Every campus provides space, material and equipment for sports, cultural and extracurricular activities available to students. Annual festivals are held in each of the campuses and are very popular with huge participation from students from colleges spread across the country

Pilani Campus <ul style="list-style-type: none">• BOSM - Annual Sports Festival• OASIS - Annual Cultural Festival• APOGEE - Annual Academic festival• Interface• Conquest	Hyderabad campus <ul style="list-style-type: none">• ARENA - Annual Sports Festival• PEARL - Annual Cultural Festival• ATMOS – Annual Academic festival
Goa campus <ul style="list-style-type: none">• SPREE - A Sports Festival• WAVES - A Cultural Festival• QUARK – Annual Academic festival	Dubai campus <ul style="list-style-type: none">• BSF - Annual Sports Festival• JASHN - Annual Cultural Festival• Tech Fest

Annexure 11 – Social Activities

NIRMAAN

Nirmaan Organisation, started in 2005 by a group of 4 BITSians, has entered into its 10th year of operation to create social leaders in various corners of India. The oldest chapter of this organisation, Nirmaan BITS Pilani, a completely student-run chapter, conducted several events this year inside and outside the campus. Some of the major highlights are as follows:

1) Apogee: In Apogee, Nirmaan organized 2 events namely India Quiz and DHITI. India quiz was an event to test the participants on the basis of their general knowledge. DHITI on the other hand is a multi-stage event with an aim to provide a platform for the technical implementation for social ideas. The judging panel for DHITI 2015 was headed by Bindeshwar Pathak, founder of Sulabh International.

2) Joy of Giving Week: October 14-20 was celebrated as Joy of Giving Week in our campus. The inauguration ceremony was graced with the presence of Dr. Anshu Gupta, founder Goonj and winner of Raman Magsaysay Award. Rhythm for Life, a Delhi-based musical group, performed on the inauguration evening. Major attractions of the week were Day of Joy for kids of Courtbasti, Baas and Natbasti along with wish trees and Hour of Joy in various communities in Pilani. Some events were also conducted in Birla Senior secondary School thus expanding the season of happiness.

3) Oasis: In Oasis, Nirmaan hosted Nirmaan Stall. 3 NGO's namely Atijivan, MESH and Nayi Dishayein were invited to collaborate with Nirmaan in setting up of stall. Alongside with products made from women in Baas, we had Prayogshala setting up a separate stall for handmade google cardboards. The earnings from these directly went to the beneficiaries.

Apart from these events, the chapter has several projects working in sectors of education, employment, community development, government interfacing and technical innovations at grassroots. The current strength of over 100 volunteers has been working hard to light the lives of hundreds of beneficiaries living in four different communities namely Court-basti, Natbasti and at 2 different places in Baas of Pilani.

Social and Environmental Activities:

There are many social organizations actively working on campus like NIRMAAN, SCIO, YUVA (Youth under visionary action), HOPE and ENACTUS.

We have various events/camps organised on campus like Govt. school adoption, Swach Bharat, Cloth Donation, Tree Plantation, Blood Donation, Campus Clean Up programs, Career Planning, Medical Camps, Campus Tour for School Students.

SCIO 2015:

Veda

1. VEDA 3.1

Veda 3.1 was conducted on January 18th, 2015 to guide the students of classes 11th and 12th from various high schools and junior colleges of Hyderabad. Prof. V.S Rao, Director, BITS – Pilani, Hyderabad Campus inaugurated the event, which included Dr. Sankar Ganesh, Assistant Professor, BITS – Pilani, Hyderabad Campus, Dr. Sabareesh Geetha Rajasekharan, Assistant Professor, BITS – Pilani, Hyderabad Campus and Mr. Krishna Kodali, Faculty In-charge, Scio Foundation who highlighted the importance of choosing careers in Sciences, Engineering and Finances. The event saw a turnout of around 110 students.

2. Veda 4.0

Veda 4.0 was inaugurated on October 4th, 2015 by Shri S. Mohapatra, Executive Director (Production), BrahMos Aerospace, Ms A. Jayashree, Director, Institute of Science and Technology, JNTUH, Mr. T. Muralidharan, Chairman, TMI Group and Prof. V.S Rao, Director, BITS – Pilani, Hyderabad Campus. The speakers of the event included Prof. P K Thiruvikraman, Associate Professor, BITS – Pilani, Hyderabad Campus who spoke about careers in Sciences, Dr. Sabareesh Geetha Rajasekharan, Assistant Professor, BITS – Pilani, Hyderabad Campus who spoke about careers in engineering specifically mechanical and manufacturing engineering, Dr. Chandu Parimi, Assistant Professor, BITS – Pilani, Hyderabad Campus who spoke about career in civil engineering, and Dr. Tathagata Ray, Assistant Professor, BITS – Pilani, Hyderabad Campus who threw light on a career in computer sciences. Nearly 700 students from classes 11th and 12th actively participated in the career counselling sessions.

3. Veda 4.1

Veda 4.1 was organised on November 15th, 2015. The event targeted around 300 students from the classes 11th and 12th. Career counselling sessions were conducted by Prof. S P Regalla, Professor, BITS – Pilani, Hyderabad Campus from the department of Mechanical engineering, Prof. Kannan Ramaswamy, Associate Professor, BITS – Pilani, Hyderabad Campus from the Physics department, Dr. Alivelu Manga Parimi, Assistant Professor, BITS – Pilani, Hyderabad Campus from the Electronics department, and Dr. P Sankar Ganesh, Assistant Professor, BITS – Pilani, Hyderabad Campus from the department of Biological Sciences. Students were enthralled with the interaction with eminent faculty from the campus.

4. Vidya - Government Residential High School, Keesara, Hyderabad:

Vidya was organized at the Government Residential High School, Keesara, Hyderabad on January 25th, 2015. Scio's volunteers interacted with nearly 85 students discussing about various career prospects they could choose to pursue.

5. Vidya - St. Gabriel High School, Bollaram

Scio conducted an event at St. Gabriel High School, Bollaram on March 5th, 2015 benefiting around 120 students. Students and teachers were inquisitive about different options in store for them.

6. Vidya - Gowtham Model School, A S Rao Nagar, Hyderabad:

Gowtham Model school at AS Rao Nagar, Hyderabad was visited by Scio on August 27th, 2015. Around 85 students actively interacted with Scio's volunteers raising queries on different career options they could choose.

7. Vidya – Sarojini Naidu Memorial School, West Maredpally, Hyderabad:

On August 27th, 2015 Scio conducted a counselling session at Sarojini Naidu Memorial School. Around 75 students actively interacted with Scio's volunteers raising queries on different career options they could choose.

8. Vidya - Aum Sai Saraswathi High School, Safilguda, Hyderabad:

A Vidya event was conducted at Aum Sai Saraswathi High School, Safilguda on August 27th, 2015 benefitting around 80 students. Teachers and students beamed with interest as Scio's volunteers provided a broad perspective of various career options available to them.

9. Vidya - Sri Chaitanya Junior College, Madhapur, Hyderabad:

Scio visited Sri Chaitanya Junior College, Madhapur on September 27th, 2015 and interacted with students of classes 11th and 12th highlighting different options in engineering and sciences available to them.

10. Vignan : Aga Khan Academy

Educational trip was conducted for the students from Aga Khan Academy on November 22nd, 2015 to the BITS Pilani, Hyderabad Campus. The students were fascinated to see various engineering and science departments and the laboratories associated to them. A one on one interaction about different branches available and the future prospects involved were discussed with them.

Social & Environment Club: The Social & Environment club organized events with the sole aim of sensitizing students about their responsibility towards environment and community. Some of the activity taken up by the club in the year 2015 included awareness programme, blood donation camp, clean up drive, English classes for the support staff, recycling of paper, cans and tetra packs, fund raising events for charity, program for special needs children etc. Students were involved in making paper bags to replace the plastic bags used in the campus. The club started off by raising awareness for saving water and electricity through the collage making competition for Energy Conservation. The team from BITS Dubai Campus won the Dubai Electricity and Water Authority (DEWA) best conservation team award. They also raised awareness for environment on the Earth Day, which included paper bag making competition, a debate, a quiz and a documentary. They also organized a blood donation camp on the 13th September 2015 which saw a huge participation. Daan Utsav was celebrated and the funds raised were used to prepare "Bag of Love" for the security guards, the cleaning and maintenance staff. English classes for the security guards, cleaning and maintenance staff and hostel attendants were conducted year round. The institute cleanup drive had more than 80 student volunteers who collected trash from every nook and cranny of the campus. This helped them to understand the magnitude of waste generated in a day and the kind effort that is required to clean the wastes. Everyone may not have enough love and compassion to give, but everyone will have some used clothes hence through the clothes collection drive used cloths in good conditions were collected and donated to the Red Crescent Society. During the thanks giving lunch, 73 supporting staff members including the cleaning staffs, the security guards and the hostel staffs were provided free lunch. The last event conducted for the Daan utsav was a day with the students of Special Needs Foundation, Karama. BPDC volunteers were given an opportunity to interact with the children and staff from the foundation and student volunteers interacted with the special needs children through games, balloon bending, songs and face-painting events. The Pink day, breast cancer awareness campaign was also conducted by the club during this semester. Spectrum an event was organized for special needs children. Children from three special needs school were invited and the special needs children were involved in fun game and many other activities. On 21st June 2015 more than 30 faculty and staff participated in the International Day of Yoga and Blood Donation Camp held at Al Wasl Football ground, Al Jaddaf, Dubai. In commemoration of World Mental Health Awareness Day on October 10th 2015, The Social & Environment Club in collaboration with Mana Manali, organized "Living Inside Out", an awareness campaign, on Anxiety. Mana Maali (BITS-Stanford Initiative) aims to create healthier minds in college campuses.

Annexure 12- List of MOU's

1.	Concordia University, Montreal, Quebec, Canada
2.	Cybage Software Private Limited, Pune
3.	Technische Universitat Braunschweig, Germany
4.	*Cypress Semiconductor Corporation, SAN JOSE, CA, USA
5.	Faculty of Engineering and Graduate School of Science & Technology, Kumamoto University, Japan
6.	Austria microsystems – India Design Centre, Hyderabad
7.	Powerwave Technologies, Hyderabad
8.	Central Electronics and Engineering Research Institute, Pilani
9.	Carleton University, Ottawa, Canada
10.	Eaton Technologies Private Limited, Pune
11.	University of Savoie, Chambéry Cédex, France
12.	Integrated Headquarters of Ministry of Defence (Army), New Delhi.
13.	(a) University Health Network, Toronto, Canada; (b) Therapure Biopharma Inc., Mississauga, Canada; (c) International Center for Genetic Engineering and Biotechnology, New Delhi; and (d) LifeCare Innovations (Pvt) Ltd., Gurgaon, India.
14.	Tata AutoComp Systems Limited, Pune
15.	Aegis Centre for Entrepreneurship (ACE), Gurgaon

16.	Satyam Computer Services Limited, Hyderabad
17.	John Deere India Private Limited, Pune
18.	La Trobe University, Melbourne, Australia
19.	ETA Network of Education & Training, Dubai, UAE
20.	Bharat Dynamics Ltd., Hyderabad
21.	Avaya India Pvt. Ltd., Pune
22.	BMC Software India Pvt. Ltd., Pune
23.	University of Rhode Island, Rhode Island, Kingston, USA
24.	Mediciti Institute of Medical Sciences (MIMS), Hyderabad
25.	Mitacs Inc., Canada
26.	UOP India Pvt. Ltd., New Delhi
27.	International Center for Biosaline Agriculture (ICBA), Dubai
28.	Kirloskar Oil Engines Ltd., Pune

29.	USC Viterbi School of Engineering, USA
30.	RAK Medical & Health Sciences University, UAE
31.	New Mexico State University, USA
32.	Mahindra and Mahindra, Nagpur
33.	Tata Technologies Limited, Pune
34.	Vedanta Aluminium Limited, Jharsuguda
35.	"n+i" Network of Engineering Institutes, France
36.	SKF India Ltd., Mumbai
37.	Indian Naval Academy, Ezhimala
38.	Infotech Enterprises Limited, Hyderabad
39.	Cipla Limited, Mumbai
40.	Goa State Pollution Control Board, Panaji
41.	Pace University, New York
42.	INFLIBNET Centre, Gandhinagar
43.	NALSAR University of Law, Hyderabad
44.	Florida International University, Miami, Florida, USA
45.	IGATE Global Solutions Limited, Bangalore

46.	University College, Dublin, National University of Ireland Dublin
47.	Norwegian University of Life Science (NMBU), Norway
48.	AMSA Renal Care, Dubai
	Indian School of Business, Gachibowli, Hyderabad
	Macquarie University, Australia
	GE India Exports Private Limited, Hyderabad
	Michigan State University, College of Engineering Michigan, USA
	National Institute of Wind Energy (NIWE), Chennai
	The University of Wisconsin- Madison, USA
	University of Tartu, Estonia
	National Institute of Wind Energy (NIWE), Chennai
	The University of Wisconsin- Madison, USA
	University of Tartu, Estonia

Annexure 13 - Sponsored Research and consulting

BITS Pilani under its vision 2020 has set goal to be among top 10 research led universities within Asia. Through its mission 2012 and 2015, various initiatives have been taken to significantly enhance our sponsored research and consultancy capabilities. As a result, the funding for sponsored research and consultancy has significantly grown with active involvement of faculty.

Following is the summary highlighting the important indicators on research and consultancy data.

Since 2010 the funding obtained from external funding agencies as well as Industry has increased from 43 projects worth 732 lakhs (2010-2011) to 63 projects worth Rs.1655 lakh (2014-15). During 2015-16 (till Dec. 31, 2015) 37 new projects worth Rs. 1250 Lakh have been sanctioned.

Currently a total of 296 sponsored R&D projects worth Rs. 7163 lakhs are ongoing of which;

(i) 202 projects worth Rs.4920 lakh from government funding agencies (UGC, DST, DBT, BRNS, ICMR, DRDO, DeitY, CSIR, ICSSR, MNRE, Ministry of mines, ICAR, ITRA, NRRDA.

(ii) 39 Industry sponsored projects worth Rs. 972 lakh from various industries are received (GAIL, CHT, Aditya Birla Group, Ranbaxy, Torrent, Lubrizol, Birla Cellulose, IBM, Lockheed Martin USA, Accenture USA, Tea Board India, Astra Zeneca, Incozen Therepeautics, Arogya Healthcare, HBL Systems, Tennova

(iii) Received 30 consultancy projects worth Rs. 137 lakh from industries

(iv) Development grants for 25 projects worth Rs. 1134 lakh are ongoing with funds from government agencies such as University Grants Commission (UGC), Department of Science and Technology (DST) and Department of Electronics and Information Technology (DeitY) Government of India.

(v) 16 ongoing International projects funded through DAAD Germany, Indo Russian, Indo Canada, Bill and Mellinda Gates Foundation USA, Indo-UK (DST-UKIERI), Indo Ukraine, Indo Swedish, Indo French, Indo Portugal, Indo Brazil, Indo Japan, Indo Belarus, DBT-MRC, UK, British Council, Accenture USA and Lockheed Martin, USA.

Out of the sponsored projects Intellectual properties have been generated and 31 patent applications have been filed which includes 25 Indian patent applications and 6 international patent applications (including 3 PCT, 1 Australian, 1 US and 1 UK patent application) have been filed. Of this 1 patent is granted status.

Two technologies have been transferred to Industry (i) Glucose sensor technology to Soothe healthcare through ICMR (ii) Fast antibiotic resistance measurement kit developed under DRDO project to a startup company mentored by BITS faculty.

ANNEXURE 14 – BITS SCOPUS

Publications Insight Report



BITS Pilani
Pilani | Dubai | Goa | Hyderabad



BITS Pilani
Pilani | Dubai | Goa | Hyderabad

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE

SCOPUS PUBLICATIONS - INSIGHT REPORT

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1. PROJECT SPECIFICATIONS

OBJECTIVE

To conduct Publications' Analysis for Birla Institute of Technology & Science (henceforth referred to as, 'BITS') which is an analysis, consolidation and analysis on the current status of your University's research publications in indexed database (Scopus).

SCOPE

To consolidate all of BITS' research publications into one database to analyze the following:

1. Publication Trend
2. Citation Trend
3. Index Analysis
4. Campus-wise Analysis
5. H-Index Analysis

YEAR COVERAGE

YEAR COVERAGE	
CONSOLIDATED PERIOD	Overall

DATABASE COVERAGE



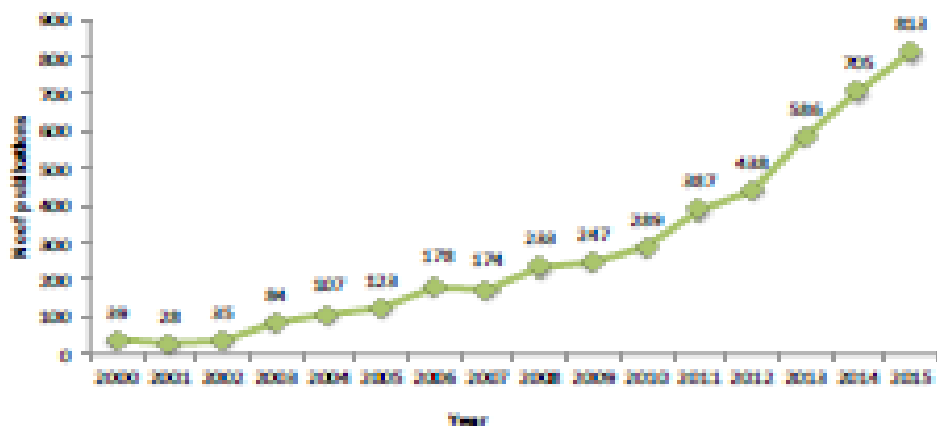
3. BITS: PUBLICATIONS' TREND

The research has identified a total of identified a total of **3,533** Journal and Conference publications in Scopus database by authors affiliated to the 'Birla Institute of Technology & Science' (henceforth abbreviated as BITS) from the period from 1945 until July 2016 (22-July-2016).

A representation of the identified Journals and Conferences across publication years is illustrated in Figure 1.

For better representation, we have provided the publication trend since 2000. The total publication before 2000 is 645 (from year 1945 – 1999).

FIGURE 1: OVERALL PUBLICATIONS' TREND



CURRENT YEAR (2016) IN STATE:

The current 2016 have 444 Scopus publications and this count will increase by the end of the year.

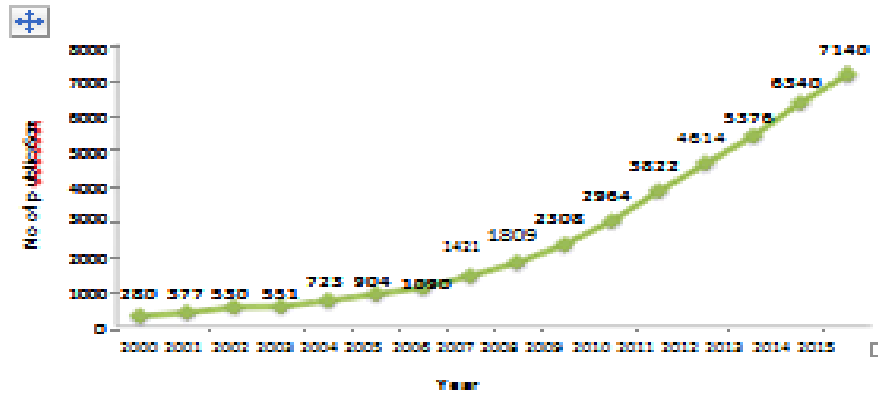
Current year (2016) numbers are not shown in the chart above, as it does not reflect the full year's performance.

4. BITS: CITATIONS' TREND

A true measure of a university's progress with respect to academic research is showing increase in number of citations for the university's publications. Citations should show an increasing trend as publications increase, year on year.

A representation of the citation trend is presented below:

FIGURE 2- CITATION TREND ANALYSIS

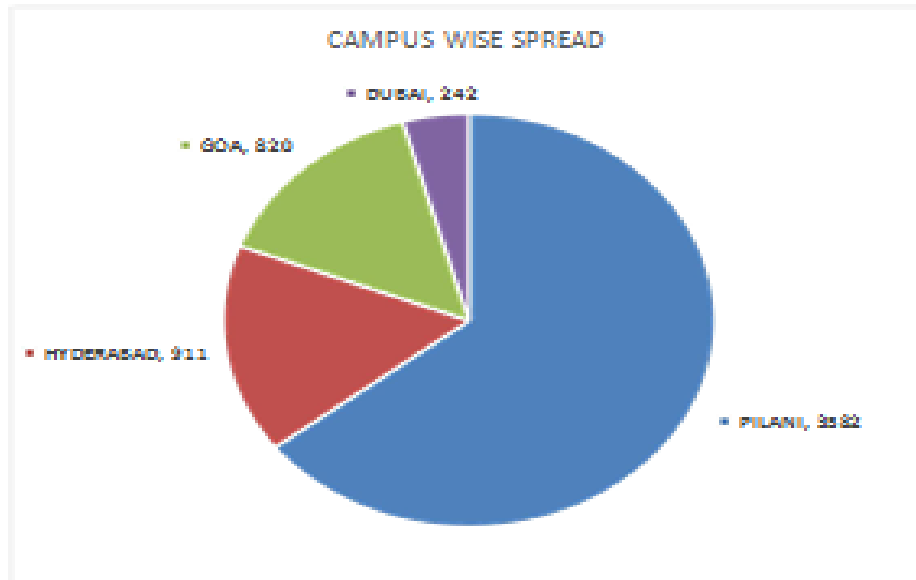


CURRENT YEAR (2016) IN STATS

Current year (2016) already has 4,574 citations.

Current year (2016) numbers are not shown in the chart above, as it does not reflect the full year's performance.

5. BITS: CAMPUS WISE ANALYSIS



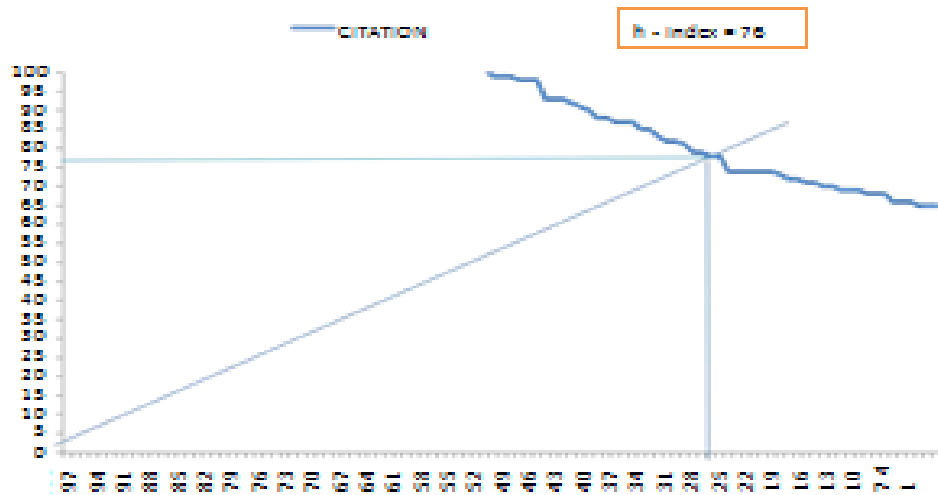
6. BITS: h-INDEX ANALYSIS

The h-index is based on the distribution of citations received by a given university's publications. An index of 'h' for a university indicates that among the articles published by the University, 'h' articles have been cited at least 'h' number of times.

Source: Scopus

h-Index = 76

(Of the 5,555 documents identified and considered for the h-index, 76 have been cited at least 76 times.)



Annexure 15 - Programme wise Pass numbers

1. BITS PILANI - PILANI CAMPUS

PART A: ON-CAMPUS PROGRAMMES

Programme	No of Degrees	Distinction	First	Second
B.E. (Hons.) (Chemical)	20 (6)	1	14	5
B.E. (Hons.) (Chemical) (with Practice School)	51 (12)	7	33	11
B.E. (Hons.) (Civil)	18 (3)	2	9	7
B.E. (Hons.) (Civil) (with Practice School)	59 (6)	3	38	18
B.E. (Hons.) (Electrical and Electronics)	20 (2)	1	15	4
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	102 (18)	14	81	7
B.E. (Hons.) (Mechanical)	32 (1)	5	21	6
B.E. (Hons.) (Mechanical) (with Practice School)	77 (0)	5	62	10
B.Pharm. (Hons.)	8 (3)	1	3	4
B.Pharm. (Hons.) (with Practice School)	25 (4)	2	15	8
B.E. (Hons.) (Computer Science)	28 (5)	5	18	5
B.E. (Hons.) (Computer Science) (with Practice School)	100 (22)	14	72	14
B.E. (Hons.) (Electronics and Instrumentation)	16 (1)	0	6	10
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	68 (18)	9	48	11
B.E. (Hons.) (Manufacturing Engineering)	9 (0)	0	6	3
B.E. (Hons.) (Manufacturing Engineering) (with Practice School)	31 (8)	0	26	5
M.Sc. (Hons.) (Biological Sciences)	35 (11)	0	25	10
M.Sc. (Hons.) (Biological Sciences) (with Practice School)	3 (0)	0	2	1
M.Sc. (Hons.) (Chemistry)	26 (3)	0	18	8
M.Sc. (Hons.) (Chemistry) (with Practice School)	15 (6)	0	11	4
M.Sc. (Hons.) (Economics)	36 (8)	3	29	4

M.Sc. (Hons.) (Economics) (with Practice School)	15 (5)	1	14	0	
M.Sc. (Hons.) (Mathematics)	36 (6)	1	26	9	
M.Sc. (Hons.) (Mathematics) (with Practice School)	12 (4)	0	8	4	
M.Sc. (Hons.) (Physics)	40 (5)	1	32	7	
M.Sc. (Hons.) (Physics) (with Practice School)	2 (1)	0	2	0	
M.Sc. (Tech.) (Information Systems)	13 (3)	1	3	9	
M.Sc. (Tech.) (Information Systems) (with Practice School)	48 (8)	1	31	16	
M.Sc. (Tech.) (Finance)	4 (1)	0	4	0	
M.Sc. (Tech.) (Finance) (with Practice School)	12 (2)	1	8	3	
M.Sc. (Tech.) (General Studies)	2 (0)	0	0	2	
M.Sc. (Tech.) (General Studies) (with Practice School)	17 (10)	0	0	17	
	Sub-Total	980 (182)	78	680	222

M.E. (Chemical)	24 (12)
M.E. (Chemical) (with Practice School)	1 (0)
M.E. (Computer Science)	5 (2)
M.E. (Computer Science) (with Practice School)	19 (11)
M.E. (Mechanical)	8 (1)
M.E. (Mechanical) (with Practice School)	6 (0)
M.Pharm. (with Practice School)	4 (2)
M.E. (Software Systems)	4 (0)
M.E. (Software Systems) (with Practice School)	19 (4)
M.E. (Microelectronics)	1 (1)
M.E. (Microelectronics) (with Practice School)	15 (2)
M.E. (Communication Engineering) (with Practice School)	12 (3)
M.E. (Biotechnology)	9 (6)
M.E. (Biotechnology) (with Practice School)	5 (5)
M.E. (Civil with specialisation in Transportation Engineering)	6 (0)

M.E. (Civil with specialization in Transportation Engineering) (with Practice School)	1 (0)
Engineering) (with Practice School)	1 (0)
M.E. (Embedded Systems) (with Practice School)	8 (3)
M.E. (Design Engineering)	4 (0)
M.E. (Design Engineering) (with Practice School)	4 (0)
M.E. (Manufacturing Systems Engineering)	2 (0)
M.E. (Manufacturing Systems Engineering) (with Practice School)	5 (0)
M.E. (Civil with specialization in Structural Engineering)	6 (0)
M.E. (Civil with specialization in Structural Engineering) (with Practice School)	5 (2)
M.E. (Civil with specialization in Infrastructure Engineering and Management)	6 (3)
M.E. (Civil with specialization in Infrastructure Engineering and Management) (with Practice School)	4 (0)
M.Pharm. (with specialization in Pharmaceuticals)	3 (1)
M.Pharm. (with specialization in Pharmaceuticals) (with Practice School)	11 (3)
M.Pharm. (with specialization in Pharmaceutical Chemistry)	2 (0)
M.Pharm. (with specialization in Pharmaceutical Chemistry) (with Practice School)	2 (2)
Master of Business Administration	2 (1)
Master of Business Administration (with Practice School)	57 (16)

Sub-Total	261 (80)
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Total	1241 (262)
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2. BITS PILANI - K. K. BIRLA GOA CAMPUS

ON-CAMPUS PROGRAMMES

Programme	No of Degrees	Distinction	First	second	
B.E. (Hons.) (Chemical)	11(1)	1	4	6	
B.E. (Hons.) (Chemical) (with Practice School)	59(15)	1	32	26	
B.E. (Hons.) (Electrical and Electronics)	23(5)	4	11	8	
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	80(12)	3	64	13	
B.E. (Hons.) (Mechanical)	39(5)	4	25	10	
B.E. (Hons.) (Mechanical) (with Practice School)	73(1)	3	60	10	
B.E. (Hons.) (Computer Science)	22(5)	3	14	5	
B.E. (Hons.) (Computer Science) (with Practice School)	91(25)	9	73	9	
B.E. (Hons.) (Electronics and Instrumentation)	22(6)	1	9	12	
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	89(15)	2	52	35	
M.Sc. (Hons.) (Biological Sciences)	8 (3)	0	6	2	
M.Sc. (Hons.) (Biological Sciences) (with Practice School)	24(7)	0	17	7	
M.Sc. (Hons.) (Chemistry)	9 (3)	2	4	3	
M.Sc. (Hons.) (Chemistry) (with Practice School)	24(4)	0	15	9	
M.Sc. (Hons.) (Economics)	6 (0)	0	2	4	
M.Sc. (Hons.) (Economics) (with Practice School)	34(9)	0	26	8	
M.Sc. (Hons.) (Mathematics)	16(4)	1	9	6	
M.Sc. (Hons.) (Mathematics) (with Practice School)	19(4)	1	12	6	
M.Sc. (Hons.) (Physics)	17(2)	3	9	5	
M.Sc. (Hons.) (Physics) (with Practice School)	14(4)	0	11	3	
M.Sc. (Tech.) (Information Systems)	6 (0)	0	2	4	
M.Sc. (Tech.) (Information Systems) (with Practice School)	35(10)	0	20	15	

	Sub-Total	721(140)	38	477	206

M.E. (Chemical)	4 (2)				
M.E. (Computer Science)	5 (1)				
M.E. (Computer Science) (with Practice School)	3 (1)				
M.E. (Microelectronics)	2 (0)				
M.E. (Microelectronics) (with Practice School)	4 (1)				

M.E. (Biotechnology)	1 (0)
M.E. (Biotechnology) (with Practice School)	6 (4)
M.E. (Embedded Systems)	1 (0)
M.E. (Embedded Systems) (with Practice School)	4 (1)

Sub-Total	30 (10)

Total	751 (150)

Note: Numbers in brackets indicate total females

3. BITS PILANI - HYDERABAD CAMPUS

ON-CAMPUS PROGRAMMES

Programme	No of Degrees	Disti- nction	First	second
B.E. (Hons.) (Chemical)	7 (1)	1	2	4
B.E. (Hons.) (Chemical) (with Practice School)	46 (20)	3	32	11
B.E. (Hons.) (Civil)	14 (4)	1	9	4
B.E. (Hons.) (Civil) (with Practice School)	38 (11)	3	28	7
B.E. (Hons.) (Electrical and Electronics)	11 (2)	0	7	4
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	88 (22)	2	59	27
B.E. (Hons.) (Mechanical)	24 (3)	0	22	2
B.E. (Hons.) (Mechanical) (with Practice School)	60 (10)	2	41	17
B.Pharm. (Hons.)	4 (2)	0	2	2
B.Pharm. (Hons.) (with Practice School)	13 (5)	2	7	4
B.E. (Hons.) (Computer Science)	18 (1)	4	13	1
B.E. (Hons.) (Computer Science) (with Practice School)	104(40)	14	81	9
B.E. (Hons.) (Electronics and Instrumentation)	6 (1)	0	2	4
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	32 (13)	2	22	8
B.E. (Hons.) (Electronics & Communication)	8 (0)	1	6	1
B.E. (Hons.) (Electronics & Communication) (with Practice School)	106(33)	7	80	19
B.E. (Hons.) (Manufacturing Engineering)	5 (1)	1	3	1
B.E. (Hons.) (Manufacturing Engineering) (with Practice School)	27 (3)	0	23	4
M.Sc. (Hons.) (Biological Sciences)	26 (9)	0	16	10
M.Sc. (Hons.) (Biological Sciences) (with Practice School)	9 (5)	0	6	3
M.Sc. (Hons.) (Chemistry)	21 (5)	0	13	8
M.Sc. (Hons.) (Chemistry) (with Practice School)	13 (6)	2	11	0
M.Sc. (Hons.) (Economics)	19 (6)	2	12	5
M.Sc. (Hons.) (Economics) (with Practice School)	18 (7)	1	16	1
M.Sc. (Hons.) (Mathematics)	28 (7)	0	19	9
M.Sc. (Hons.) (Mathematics) (with Practice School)	10 (7)	0	9	1
M.Sc. (Hons.) (Physics)	28 (1)	0	20	8
M.Sc. (Hons.) (Physics) (with Practice School)	4 (3)	0	3	1
M.Sc. (Tech.) (Information Systems)	3 (0)	0	2	1

Programme	No of Degrees	Distinction	First	second
M.Sc. (Tech.) (Information Systems) (with Practice School)	41 (10)	4	22	15
Sub-Total	831 (238)	52	588	191
M.E. (Computer Science) (with Practice School)	8 (4)			
M.E. (Computer Science with specialization in Information Security)	1 (0)			
M.E. (Computer Science with specialization in Information Security) (with Practice School)	9 (2)			
M.E. (Biotechnology)	7 (7)			
M.E. (Biotechnology) (with Practice School)	1 (1)			
M.E. (Embedded Systems)	1 (1)			
M.E. (Embedded Systems) (with Practice School)	6 (3)			
M.E. (Design Engineering)	2 (0)			
M.E. (Design Engineering) (with Practice School)	5 (1)			
M.E. (Civil with specialization in Structural Engineering) (with Practice School)	7 (4)			
M.Pharm. (with specialization in Pharmaceuticals)	5 (4)			
M.E. (Mechanical with specialization in Thermal Engineering) (with Practice School)	6 (2)			
Sub-Total	58 (29)			
Total	889 (267)			

Note: Numbers in brackets indicate total females

4. BITS PILANI - DUBAI CAMPUS

ON-CAMPUS PROGRAMMES

Programme	No of Degrees	Disti- nction	First	second
B.E. (Hons.) (Chemical)	4 (2)	2	1	1
B.E. (Hons.) (Chemical) (with Practice School)	19 (11)	5	9	5
B.E. (Hons.) (Electrical and Electronics)	5 (2)	0	3	2
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	40 (17)	8	17	15
B.E. (Hons.) (Mechanical)	8 (0)	2	2	4
B.E. (Hons.) (Mechanical) (with Practice School)	91 (4)	14	41	36
B.E. (Hons.) (Computer Science)	8 (3)	2	3	3
B.E. (Hons.) (Computer Science) (with Practice School)	88 (37)	15	49	24
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	7 (5)	0	5	2
B.E. (Hons.) (Biotechnology)	3 (2)	1	2	0
B.E. (Hons.) (Biotechnology) (with Practice School)	14 (13)	2	10	2
B.E. (Hons.) (Electronics & Communication)	1 (1)	0	0	1
B.E. (Hons.) (Electronics & Communication) (with Practice School)	66 (30)	4	28	34
Sub-Total	354 (127)	55	170	129
M.E. (Software Systems)	7 (3)			
M.E. (Software Systems) (with Practice School)	1 (0)			
M.E. (Design Engineering)	4 (0)			
Master of Business Administration	5 (1)			
Master of Business Administration (with Practice School)	1 (0)			
Sub-Total	18 (4)			
Total	372 (131)			

Note: Numbers in brackets indicate total females