

**Conference Presentations / Seminars / Invited talks**  
**(Prof. Srinivas Krishnaswamy)**

- **Krishnaswamy, S.**, Wang, H. S. and Rose, J, W., “Condensation from gas-vapour mixtures in small non-circular tubes, 5th Int. Conf. on Enhanced, Compact and Ultra-Compact Heat Exchangers: Science, Engineering and Technology, Whistler, Canada, 11-16 September, 2005 **(Manuscript accepted in Proceedings)**
- **S. Krishnaswamy**, “Film-wise condensation inside a horizontal tube in the presence of forced convection and non-condensing gas”, Department of Chemical and Process Engineering, University of Sheffield, 2004 **(Oral presentation)**
- **S. Krishnaswamy**, “Sulphur-Iodine Thermo-chemical cycle for hydrogen production”, Combustion and Incineration Group meeting, Department of Chemical and Process Engineering, University of Sheffield, 2004 **(Oral presentation)**
- **S. Krishnaswamy**, “Membrane distillation”, Process fluidics Group Meeting, Department of Chemical and Process Engineering, University of Sheffield, 2004 **(Oral presentation)**
- Parul Sahu, **Srinivas Krishnaswamy** and Krishnaswamy Ponnani “A theoretical approach to selection of suitable hydrate former for seawater desalination”, The 8th International Conference on Gas Hydrates (ICGH 2014), 28th July to 1st August 2014, Beijing, China **(Oral presentation / Poster presentation)**
- **Srinivas Krishnaswamy**, Amol Deshpande, Krishnaswamy Ponnani, “Micro-pulsed differential reactors: a viable alternative for estimating kinetics of gas-solid reactions”, 67th Annual session of IChE, CHEMCON – 2014, Chandigarh, December 27-30, 2014 **(Oral presentation)**
- Amol Deshpande, **Srinivas Krishnaswamy** and Krishnaswamy Ponnani, “Experimental studies on unmixed combustion: Packed bed reactor technology for heat transfer applications”, 2015 AIChE annual meeting, November 8th to 13th 2015, Utah, USA **(Oral presentation; Scopus indexed Conference)**
- **Srinivas Krishnaswamy**, Amol Deshpande, Krishnaswamy Ponnani, “Modelling of unmixed combustion based packed bed reactor system for heat transfer applications, 69th Annual session of IChE, CHEMCON – 2016, Chennai, December 27-30, 2016 **(Oral presentation)**
- Parul Sahu, **Srinivas K.**, Nawal Kishore Pande, “Heat transfer with phase change in U-shaped crystallizer for freeze desalination”, 12<sup>th</sup> International Conference on Thermal Engineering Theory and Applications, ICTEA 2019, PDPU Gandhinagar, 23 – 26 Feb, 2019 **(Oral presentation)**
- **Srinivas Krishnaswamy**, “Unmixed Combustion for heat transfer applications”, Invited talk / Department Seminar, 29 – 30<sup>th</sup> September 2016, IIT Madras and 9th March 2017 at Department of Chemical Engineering, IIT Bombay **(Invited Talk)**
- **Srinivas Krishnaswamy**, “Process Intensification: Towards a efficient and sustainable society”, Keynote speaker, “Two Day National Seminar on Recent Advances in Applied Chemistry & Electronic Technologies”, Department of Chemistry and Department of Electronics, St. Xavier’s College in collaboration with Department of Science and Technology, Govt. of Goa, 16<sup>th</sup> & 17<sup>th</sup> February 2018 **(Keynote Address)**

- Parul Sahu and Srinivas K., “Study of batch crystallizer for freeze desalination”, International Conference on Desalination, InDACON 2018, NIT Trichy, 20 – 21 Apr, 2018 **(Oral presentation)**
- Parul Sahu, Srinivas Krishnaswamy and K. N. Ponnani, “Study of U-tube scraped crystallizer for desalination”, 69th Annual session of Indian Chemical Engineering Congress, CHEMCON 2016, Chennai, 27 –30 Dec, 2016 **(Oral presentation)**
- Parul Sahu, Srinivas K., Nawal Kishore Pande, “Heat transfer with phase change in U-shaped crystallizer for freeze desalination”, 12<sup>th</sup> International Conference on Thermal Engineering Theory and Applications, ICTEA 2019, PDPU Gandhinagar, 23 – 26 Feb, 2019 **(Oral presentation / Manuscript published in Proceedings)**
- Pragya Singh, Srinivas Krishnaswamy, “Qualitative characterization of fouling in refinery streams using a batch stirred coupon test rig”, 72nd Annual Session of India Institute of Chemical Engineers (IChE, Northern Regional Centre), CHEMCON-2019, Department of Chemical Engineering, Indian Institute of Technology (IIT) Delhi, India, December 16<sup>th</sup> – 19<sup>th</sup>, 2019 **(Oral Presentation)**
- Vinod Kadu More, Srinivas Krishnaswamy, Madan Kumar Singh, “Simultaneous chlorination of polyethylene in paraffin: Towards a greener route for chlorine utilization”, international conference on advances in chemical engineering – 2020, AdChE – 2020, Department of Chemical Engineering, University of Petroleum and Energy Studies, Dehradun, India, February 5 – 7, 2020 **(Oral presentation)**
- Vinod Kadu More, Srinivas Krishnaswamy, Madan Kumar Singh, “Co-chlorination of polypropylene and paraffin – A greener process”, International Conference on Advances in Sustainable Research for Energy and Environmental Management (ASREEM – 2021), Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, August 6 – 8, 2021 **(Oral presentation, Student received best oral presentation)**
- Pragya Singh, Srinivas Krishnaswamy, Krishnaswamy Ponnani, “Micro Carbon Residue Test: A potential tool for estimating asphaltene content in crude oil streams”, Indian Chemical Engineering Congress & 74th Annual Session of India Institute of Chemical Engineers (IChE, Bhubaneswar Regional Centre) CHEMCON-2021, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, India, December 26<sup>th</sup> – 30<sup>th</sup>, 2021. **(Oral Presentation)**
- Vinod Kadu More, Srinivas Krishnaswamy, Madan Kumar Singh, “Comparative studies on simultaneous chlorination of LDPE and PP in paraffin”, National Conference on Advances in Chemical Engineering & Science (ACES - 2022) organized jointly by the Departments of Chemical Engineering at IISER Bhopal and UEC, Ujjain in association with IChE-IISER Bhopal, March 25-26, 2022 **(Oral presentation)**
- T. Puneeth, Srinivas Krishnaswamy, “A thermodynamic feasibility analysis of unmixed methane reforming: A potential alternative for simultaneous hydrogen production and carbon capture”, National Conference on Chemical Engineering: Enabling Transition towards sustainable future (CHEMTSF - 2022) dated September 8-10 2022 at IIT – Roorkee **(Oral presentation; Awarded the best oral presentation award in the theme of sustainable energy; Student T. Puneeth won a prize of \$50 from the Royal Society of Chemistry)**

- T. Puneeth, Neelima. D, **Srinivas Krishnaswamy**, Amol Deshpande, “Unmixed combustion: A novel alternative to simultaneously address the dual problem of energy and carbon capture in conventional combustion”, Energy summit 2022 - Enabling Transformation to a low carbon future dated December 8 - 9 at The Energy consortium, IIT Madras (**Poster presentation; awarded third prize**)
- Daliboyina Neelima, **Srinivas Krishnaswamy**, “Simulation studies on conversion of CO to CO<sub>2</sub> using unmixed combustion: a potential novel alternative for carbon capture”, National Conference on Chemical Engineering: Enabling Transition towards sustainable future (CHEMTSF - 2022) dated September 8-10 2022 at IIT – Roorkee (**Oral presentation**)
- P. Singh, **S. Krishnaswamy**, K. Ponnani, A. Verma and J. Rawat, “Characterizing fouling tendency of crude oil on a surface using High Temperature Variable Shear coupon test rig, Heat Exchanger Fouling & Cleaning Conference (HEFCC), Sporthotel Wagrain, Austria, June 5th – 10th, 2022. (**Oral Presentation / Manuscript published in proceedings**)
- **S. Krishnaswamy**, “Water treatment: A perspective on its impact on an occupational environment”, 20<sup>th</sup> National conference on Occupational Safety Health and Environment (OSHE), 24/09/2022, Panjim, Goa (**Keynote address**)
- **S. Krishnaswamy**, “Towards a sustainable future: Opportunities & Challenges”, 2nd Green Investment and Sustainability Summit, 14<sup>th</sup> December 2022, **2<sup>nd</sup> Green Investment and Sustainability Summit 2022**, Panjim, Goa (**Invited Talk**)