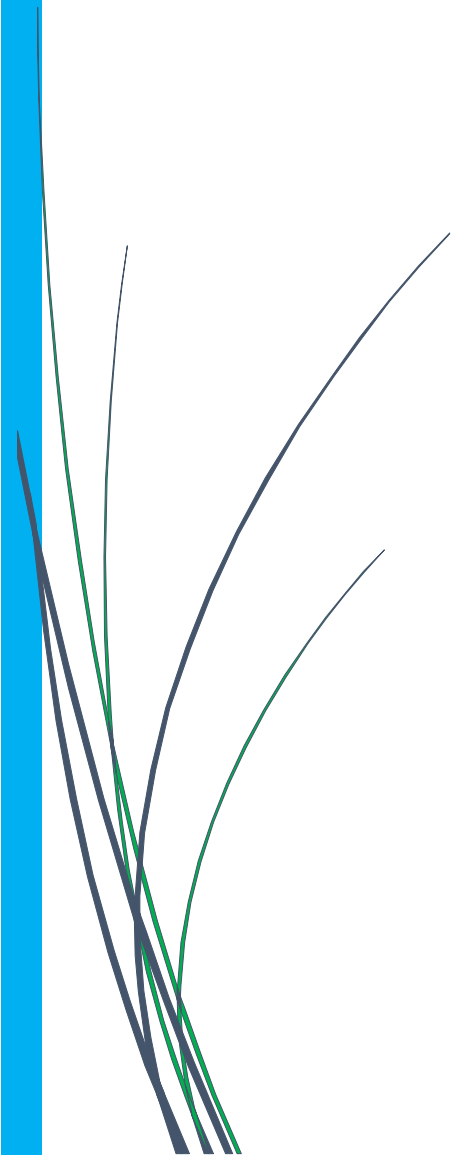




# **List of publications and conferences**





## **List of Publications**

1. Sharma Y C, Kumar A, Prasad R, Upadhyay S N. Ethanol steam reforming for hydrogen production: Latest and effective catalyst modification strategies to minimize carbonaceous deactivation. *Renewable and Sustainable Energy Reviews*. 2017; 74:89-103.
2. Kumar A, Sharma Y C, Prasad R. Ethanol steam reforming with  $\text{Co}^0$  (111) for hydrogen and carbon nano-filament generation. *Resource-Efficient Technologies*. 2017; 3: 422-428.
3. Supriya B. Chavan, Rajendra Rayappa Kumbhar, Ashutosh Kumar, and Yogesh C. Sharma. Study of Biodiesel Blends on Emission and Performance Characterization of a Variable Compression Ratio Engine. *Energy and Fuel*. 2015; 29, 4393–4398.
4. Kumar A, Sharma Y C, Prasad R. Steam Reforming of Ethanol: Production of Renewable Hydrogen. *International Journal of Environmental Research and Development*. 2014; 4, 203-212.

## **Book Chapter**

Kumar A and Prasad R. Production of renewable energy and waste water management from vetiver grass, In: N.J. Raju, W. Gossel, A.L. Ramanathan, M. Sudhakar, (Eds.), *Management of Water, Energy and Bio-resources in the Era of Climate Change: Emerging Issues and Challenges*. Springer International Publishing, Cham, 2015; 169-81.

### **List of papers presented in the international conference:**

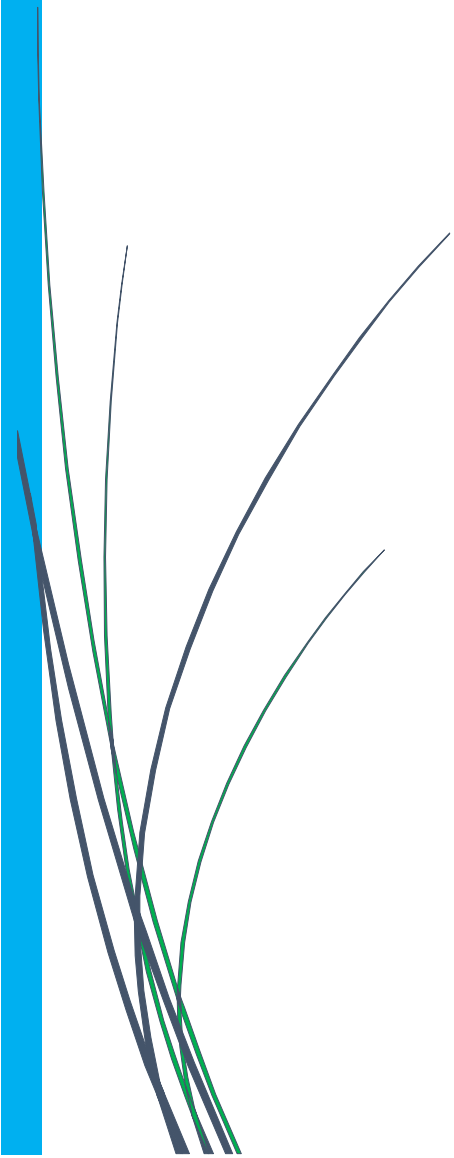
1. Kumar A, Prasad R. Production of renewable energy and waste water management from Vetiver grass, International Humboldt Kolleg On Management of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges on 8 and 9<sup>th</sup> February, 2013, JNU, New Delhi.
2. Kumar A, Sharma Y C, Prasad R. Steam Reforming of Ethanol: Production of Renewable Hydrogen, 2<sup>nd</sup> International Conference on Sustainable Innovative Techniques In Civil and Environmental Engineering (*SITCEE - 2014*) on 4<sup>th</sup> and 5<sup>th</sup> January, 2014 at JNU, New Delhi.
3. Kumar A, Sharma Y C, Prasad R. Effect of impregnation medium on Co/ZSM-5 for renewable hydrogen generation, The 2nd International Conference on Emerging Materials: Characterization & Application (EMCA-2017) March 15-17, 2017 National Institute of Technology, Durgapur
4. Kumar A, Sharma Y C, Prasad R. Hydrogen production by ethanol steam reforming and management of deactivated catalyst for energy generation, International conference on Advancing Green Chemistry: Building a Sustainable Tomorrow, 3-4 October 2017, University of Delhi.

## **Workshops**

1. National Workshop on FTIR & FTIR Raman Techniques in structure, bonding and chemical property studies June 27-28, 2013, SAIF, IITM, Chennai.
2. BRNS-AEACI Ninth School on Analytical Chemistry (SAC-9) North Eastern Region, Atomic Minerals Directorate, Shillong October 27 – November 03, 2014.
3. Hands on Training Programme on C and Matlab, 27<sup>th</sup> January to 2<sup>nd</sup> February 2015, DST- CIMS, BHU, Varanasi.
4. Global Initiative For Academic Network (GIAN), 19-23<sup>rd</sup> December 2016, I.I.T (BHU), Varanasi.



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