

**LIST OF  
PUBLICATIONS  
AND  
CONFERENCES**

## List of Publications

1. **Veena Singh**, Faizal Bux, Yogesh Chandra Sharma, “A low cost one pot synthesis of biodiesel from waste frying oil (WFO) using a novel material,  $\beta$ -potassium dizirconate ( $\beta$ -K<sub>2</sub>Zr<sub>2</sub>O<sub>5</sub>),” *Applied Energy* 172(2016)23-33 [Impact Factor 5.7].
2. Yogesh Chandra Sharma, **Veena Singh**, “Microalgal biodiesel: A possible solution for India's energy security,” *Renewable and sustainable energy review* 67(2016)72-88 [Impact Factor 6.8].
3. **Veena Singh**, Bassim H. Hameed, Yogesh Chandra Sharma, “Economically viable production of biodiesel from a rural feedstock from eastern India, *P. pinnata* oil using a recyclable laboratory synthesized heterogeneous catalyst,” *Energy conversion and management* 122(2016)52-62 [Impact factor 4.8].
4. Devarapaga Madhu, Supriya B. Chavan, **Veena Singh**, Bhaskar Singh, Yogesh C. Sharma, “An economically viable synthesis of biodiesel from a crude *Millettia pinnata* oil of Jharkhand, India as feedstock and crab shell derived catalyst,” *Bioresource technology* 214(2016)210-217 [Impact factor 4.9].
5. **Veena Singh**, Yogesh Chandra Sharma, “Low cost guinea fowl bone derived recyclable heterogeneous catalyst for microwave assisted transesterification of *Annona Squamosa* L seed oil,” *Energy conversion and management* 138(2017)627-637 [Impact factor 5.5].
6. **Veena Singh**, Meena Yadav, Yogesh Chandra Sharma, “Effect of co-solvent for biodiesel production via transesterification of waste vegetable oil in presence of calcium aluminate as a heterogeneous catalyst,” *Fuel* 203(2017)360-369 [Impact factor 4.6].

7. Devarapaga Madhu, Rajan Arora, Shalini Sahani, **Veena Singh**, Yogesh Chandra Sharma, "Synthesis of high quality biodiesel using feedstock and catalyst derived from fish wastes," *Journal of Agricultural and Food Chemistry* 65(2017)2100-2109 [Impact factor 2.9].
8. Supriya B. Chavan, Meena Yadav, Reena Singh, **Veena Singh**, Rajendra R Kumbhar, Yogesh Chandra Sharma, "Application of three indigenous crops for biodiesel production: optimization of process parameters and assessment of various fuel properties," *Environmental progress and sustainable energy* 36(2017)788-795 [Impact factor 1.6].
9. Meena Yadav, **Veena Singh**, Yogesh Chandra Sharma; Potassium impregnated zinc oxide as a heterogeneous catalyst for one pot transesterification of low FFA waste cooking oil, optimization and homogeneity study of catalyst, *Energy conversion and management* (accepted 2017) [Impact factor 5.5].
10. **Veena Singh**, Siddh Nath Upadhyay, Yogesh Chandra Sharma; Effect of Blending of Diesel with Biodiesel on Performance and Emissions of IC Engines Using Biodiesel Blended Fuel, *Renewable energy* (Under review) [Impact factor 4.4].

## List of Conference Presentations

### Oral presentations

1. **Veena Singh**, Yogesh Chandra Sharma; International Conference on Materials Science & Technology (ICMTech 2016), University of Delhi, Delhi, March 1–4, 2016.
2. **Veena Singh**, Yogesh Chandra Sharma; Second International Conference on Advanced Materials for Power Engineering (ICAMPE-2016), Mahatma Gandhi University, Kottayam, Kerala, November 11-13, 2016 [**3<sup>rd</sup> prize**].

### Poster presentations

1. **Veena Singh**, Yogesh Chandra Sharma; International conference on Recent Advances in Analytical Sciences (RAAS 2014), Indian institute of technology (Banaras Hindu University), Varanasi, March 27-29, 2014.
2. **Veena Singh**, Devarapaga Madhu, Yogesh Chandra Sharma; National Conference on Nanomaterials & Sustainable Synthetic Strategies, Department of Chemistry, Banaras Hindu University, Varanasi, March 21-22, 2015.
3. **Veena Singh**, Yogesh Chandra Sharma; International conference on Multifunctional materials for Future Applications (*ICMFA-2015*), Indian institute of technology (Banaras Hindu University), Varanasi, Oct.27 – 29, 2015.
4. **Veena Singh**, Meena Yadav, Yogesh Chandra Sharma; International conference on Recent Advances in Analytical Sciences (RAAS 2016), Indian institute of technology (Banaras Hindu University), Varanasi, April 7-9, 2016.
5. **Veena Singh**, Yogesh Chandra Sharma; 20<sup>th</sup> CRSI-RSC National Symposium in Chemistry, Gauhati University, Guwahati, Assam, February 2-4, 2017.

### **Training and Workshops**

1. Author workshop, Organised by Springer and IIT BHU, 10<sup>th</sup> February 2014
2. Hands on Training Programme on C and MATLAB, Organised by DST centre for Interdisciplinary Mathematical Sciences (CIMS) BHU Varanasi, 27<sup>th</sup> January to 02<sup>nd</sup> February 2015
3. Training for UV-VIS spectrophotometer, Organised by TOSHVIN ANALYTICAL PVT. LTD., 4<sup>th</sup> February 2015
4. Author workshop, Organised by Springer and IIT BHU, 7<sup>th</sup> October 2016