

Publications

- Yadav M**, Singh V, Sharma YC. Methyl transesterification of waste cooking oil using a laboratory synthesized reusable heterogeneous base catalyst: Process optimization and homogeneity study of catalyst. *Energy Conversion and Management*. 2017 15;148:1438-52 [Impact factor 7.1].
- Yadav M**, Upadhyay S, Sharma YC. Process optimization, kinetics of production Jatropha curcus methyl ester, and its utilization in single cylinder diesel engine. *Energy Conversion and Management*. 2018 Mar 15;160:364-74 [Impact factor 7.1].
- Yadav M**, Sharma YC. Process optimization and catalyst poisoning study of biodiesel production from kusum oil using potassium aluminum oxide as efficient and reusable heterogeneous catalyst. *Journal of Cleaner Production*. 2018;199:593-602 [Impact factor 6.3].
- Yadav M**, Chavan SB, Singh R, Bux F, Sharma YC. Experimental study on emissions of algal biodiesel and its blends on a diesel engine. *Journal of the Taiwan Institute of Chemical Engineers*. (Accepted on 26 Oct 2018) [Impact factor 3.8].
- Sharma YC, **Yadav M**, Upadhyay SN. Latest advances in degumming feedstock oils for large-scale biodiesel production. *Biofuels, Bioproducts and Biorefining*. 2019;13(1):174-191 [Impact factor 4.2].
- Singh V, **Yadav M**, Sharma YC. Effect of co-solvent on biodiesel production using calcium aluminium oxide as a reusable catalyst and waste vegetable oil. *Fuel*. 2017;203:360-9 [Impact factor 5.1].
- Chavan SB, **Yadav M**, Singh R, Singh V, Kumbhar RR, Sharma YC. Production of biodiesel from three indigenous feedstock: Optimization of process parameters and assessment of various fuel properties. *Environmental Progress & Sustainable Energy*. 2017 May;36(3):788-95 [Impact factor 1.59].
- Yadav M**, Sharma YC. Kinetic, thermodynamic, and green matrix studies of transesterification reaction of used vegetable oil using heterogeneous base catalyst (Under review in *Energy conversion & Management*) [Impact factor 7.1].
- Yadav M**, Jaiswal S, Sharma YC, Synthesis of biodiesel from waste cooking oil using modified distillation waste as catalyst (under construction).

Conferences

Oral presentations

1. **Meena Yadav**, Yogesh Chandra Sharma; International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2017), Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur, February 2-4, 2017.

Poster presentations

2. **Meena Yadav**, Yogesh Chandra Sharma; Conference on Advances in Catalysis for Energy and Environment (CACEE-2018), Tata Institute of Fundamental Research (TIFR), Mumbai, January 10-12, 2018.
3. **Meena Yadav**, Yogesh Chandra Sharma; National Symposium on Shaping the Energy Future: Challenges & Opportunities (SEFCO-2017), CSIR-IIP, Dehradun, May 11-12, 2017.
4. **Meena Yadav**, Yogesh Chandra Sharma; National Conference on Recent Advancements in Chemical Sciences (RAICS-2015), MNIT – Jaipur, August 21-23, 2015.
5. **Meena Yadav**, Yogesh Chandra Sharma; International Conference on Advanced Materials (ICAM-2019), CNN- Jamia Millia Islamia, New Dehli, March -7, 2019.

Training and workshops

6. Hands on Training programme on C and MATLAB, organized by DST centre for Interdisciplinary Mathematical Sciences (CIMS) BHU Varanasi, November 13-18, 2014.
7. Hands on Training cum Workshop on "Spectroscopic and Chromatography Techniques", CSIR-CSIO, Chandigarh, November 27-30, 2017.