

Previous Journal Publication

| S.No. | Authors/ Paper/ Journal/ volume/ page number | Year of publication | Publication house | Impact Factor |
|-------|---|---------------------|-------------------|---------------|
| 1 | Kumar S, Jain S, Kumar H. Performance Evaluation of adaptive neuro-fuzzy inference system and response surface methodology in modeling biodiesel synthesis from Jatropha-algae oil, Energy Resource Part A | 2018 | Taylor & Francis | 0.527 |
| 2 | Akbari, M., Oyedun, A.O., Jain, S., Kumar, A., Options for the conversion of pulp and paper mill by-products in Western Canada, Sustainable Energy Technologies and Assessments, 26: 83-92 | 2018 | | |
| 3 | Verma, D., Jain, S, Effect of natural fibers surface treatment and their reinforcement in thermo-plastic polymer composites: A review, Current Organic Synthesis, 14, 186-199 | 2017 | Bentham Science | 1.69 |
| 4 | Kumar S, Jain S, Kumar H. process parameter assessment of biodiesel production from a Jatropha-Algae oil blend by response surface methodology and artificial neural network, Energy Resource Part A , 39(22): 2119-2125 | 2017 | Taylor & Francis | 0.527 |
| 5 | Narula V, Khan MF, Negi A, Kalra S, Thakur A, Jain S. Low temperature optimization of biodiesel production from algal oil using CaO and CaO/Al ₂ O ₃ as catalyst by the application of response surface methodology, Energy , 140: 879-884 | 2017 | Elsevier | 4.520 |

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| 6 | Narula V, Thakur A, Kalra S, Uniyar A, Jain S. Process parameter optimization of low temperature transesterification of algae-Jatropha Curcas oil blend, Energy , 19: 983-988 | 2017 | Elsevier | 4.520 |
| 7 | Goyal A, Pandey D, Jain S, Tyagi M, Agarwal J, Jain S. Development of Decision Model for Power Generation from Carbonized Food Waste, Waste and Biomass Valorization , 1-6 | 2017 | Springer | 1.337 |
| 8 | Khan M, Jain S, Vaezi M and Kumar A. Development of a decision model for the techno-economic assessment of municipal solid waste utilization pathways, Waste Management , 48, 548-564 | 2016 | Elsevier | 4.030 |
| 9 | Sharma N, Nainwal S, Jain S and Jain S. Emerging biorefinery technologies for Indian forest industry to reduce GHG emissions. Ecotoxicology and Environmental Safety 121, 105-109 | 2015 | Elsevier | 3.743 |
| 10 | Sharma N, Nainwal S, Sen Sharma A, Jain S and Jain S. Cold flow properties improvement of Jatropha curcas biodiesel and waste cooking oil biodiesel using winterization and blending. Energy 89, 702-707 | 2015 | Elsevier | 4.520 |
| 11 | Jain S, Jain S, Wolf IT, Lee J and Tong YW. A comprehensive review on operating parameters and different pretreatment methodologies for anaerobic digestion of municipal solid waste. Renewable and Sustainable Energy Reviews 52, 142-154 | 2015 | Elsevier | 8.050 |
| 12 | Singh S, Kumar A and Jain | 2015 | CSBE | 0.690 |

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| | S. Impact of biofuel production on water demand in Alberta, Canadian Biosystems Engineering , 56: 8.11-8.22. | | | |
| 13 | Jain S, Wolf IT, Tong YW. Anaerobic digestion of food waste using artificially cultured and natural anaerobes under Mesophilic conditions, Journal of Material and Environmental Science , 5 (6), 1709-1714 | 2014 | JMES | 1.210 |
| 14 | Jain S and Sharma MP. Effect of metal contents on oxidation stability of biodiesel/diesel blends. Fuel 116, 14-18. | 2014 | Elsevier | 4.601 |
| 15 | Jain S and Sharma MP. Effect of metal contents on oxidation stability of biodiesel/diesel blends. Fuel 116: 14-18. | 2014 | Elsevier | 4.601 |

Books

| S.No. | Authors/ Book Title | Year of publication | Publication house | ISBN Number |
|-------|--|---------------------|-------------------|---------------|
| 1 | Verma D, Gope PC, Jain S and Xiaolei Z, Green Approaches to Biocomposite Materials Science and Engineering | 2016 | IGI Global USA | 9781522504245 |

Books Chapters

| S.No. | Authors/ Chapter Title/ Book Title | Year of publication | Publication house | ISBN Number |
|-------|--|------------------------|-----------------------------|---------------|
| 1 | Verma D, Gope PC, Jain S and Xiaolei Z, Green composites and their properties: A brief Introduction, Green Approaches to Biocomposite Materials Science and Engineering | 2016 | IGI Global USA | 9781522504245 |
| 2 | Jain S, Tong YW. Biodegradation/ Bioremediation for Soil and Water, Sustainable Water Management and Technologies, Edited by Daniel H. Chen, Lamar University, Beaumont, Texas, USA | 2016 | CRC Press, Taylor & Francis | 9781482215106 |
| 3 | Verma D, Gope PC, Singh ID and Jain S, Composites from Bagasse Fibers, Its Characterization and Applications, Agricultural Biomass Based Potential Materials | 2015 | Springer Verlag | 9783319138473 |
| 4 | Jain, S., Zhang, X., Techno-economic and life cycle assessment for the production of green composites, Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications, 1-3, 407-413 | 2017 | IGI Global | 9781522517986 |

Papers in Conference proceedings

| S.No. | Authors/ Paper/ Conference | Year of publication | Place |
|-------|---|---------------------|---------|
| 1 | Vashishth V and Jain S. Prospects of Biodiesel from Algae in Uttarakhand, presented at the Workshop on Efficient Energy Generation and Utilization in Uttarakhand, March 10-12, 2016, Roorkee, India | 2016 | Roorkee |
| 2 | Shailja Bahuguna, Pooja Verma, Amit Sharma, Shivani Chauhan, Priya Choudhary Siddharth Jain, A review and recent developments in solar water distillation, NCETEST-2014, India, March 29-30, 2014. | 2014 | Roorkee |
| 3 | Naman Sharma, Shubham Nainwal, Arnav Sen Sharma and Siddharth Jain, Cold flow property of biodiesel-A review, NCETEST-2014, India, March 29-30, 2014. | 2014 | Roorkee |
| 4 | Avinash Kumar, Mukesh Kumar Singh, Baibhav kumar, manish kumar, sachin kumar, rajeev kumar, Siddharth Jain, Solar air heater plate provided with artificial roughness, NCETEST-2014, India, March 29-30, 2014. | 2014 | Roorkee |
| 5 | Uttam Chhetri, Shubham Agarwal, Navdeep Bisht, Sujoy Pramanick, Santosh Kumar, Sunil Kumar, Shivam Bisht, Romesh Sharma, Siddharth Jain, Pyrolysis of plastic and its usage as an alternative fuel, NCETEST-2014, India, March 29-30, 2014. | 2014 | Roorkee |
| 6 | Vaibhav Parashar, Vipul Bansal, Rakib Ali, Amit Bhandari, Pawan Kumar, Sarvajeet Singh, Shyam and Siddharth Jain, Optimisation of biodiesel production from waste cooking oil using response surface methodology, NCETEST-2014, India, March 29-30, 2014. | 2014 | Roorkee |

Papers presented in conferences but not published

| S.No. | Authors/ Paper/ Conference | Year of publication | Place |
|-------|--|---------------------|--------|
| 1 | Akbari M., Jain S., Kumar A. Technoeconomic assessment of utilization of by-products from forest industry for production of fuels and chemicals, abstract accepted for the 2015 BCN-AI Bio Conference: Bioindustrial Innovations: Unlocking Value and Tackling Climate Change, Nov. 22-25, 2015, Shaw Conference Centre, Edmonton, Canada. | 2015 | Canada |
| 2 | Akbari M., Jain S., Kumar A. Technoeconomic assessment of utilization of by-products from forest industry for production of fuels and chemicals, abstract submitted to the 2015 BCN-AI Bio Conference: Bioindustrial Innovations: Unlocking Value and Tackling Climate Change, November 22-25, 2015, Edmonton, Canada. | 2015 | Canada |
| 3 | Akbari M., Jain S., Kumar A. Technoeconomic assessment of biofuel production from different conversion pathways, presented at the 5th International Conference on Biorefinery – towards Bioenergy, August 10-12, 2015, The University of British Columbia, Vancouver, Canada. | 2015 | Canada |
| 4 | Jain S., Khan M., Ullah M.A, Kumar A. Assessment of biomass resource potential in Alberta and Saskatchewan, presented at the CSBE/SCGAB Technical Conference and AGM 2015, Innovation in Water, Energy and Biosystems (iWEB) Positioning the Globe for 2050, July 5-8, 2015, Edmonton, AB. | 2015 | Canada |
| 5 | Akbari M, Jain S., Kumar A. Black liquor gasification-based integration of kraft pulp mill of Alberta, presented at the CSBE/SCGAB Technical Conference and AGM 2015, Innovation in Water, Energy and Biosystems (iWEB) Positioning the Globe for 2050, July 5-8, 2015, Edmonton, AB. | 2015 | Canada |
| 6 | Khan M, Jain S. and Kumar A. | 2015 | Canada |

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| | Development of decision making model for utilization of municipal solid waste, presented at the CSBE/SCGAB Technical Conference and AGM 2015, Innovation in Water, Energy and Biosystems (iWEB) Positioning the Globe for 2050, July 5-8, 2015, Edmonton, AB. | | |
| 7 | Akbari M, Jain S. and Kumar A. Opportunities for integration of forest by-products with conventional industry, presented at the CSBE/SCGAB Technical Conference and AGM 2015, Innovation in Water, Energy and Biosystems (iWEB) Positioning the Globe for 2050, July 5-8, 2015, Edmonton, AB. | 2015 | Canada |
| 8 | Jain S, Akbari M. and Kumar. A. Opportunities for integration of forest by-products with conventional industry, presented at the 2014 Biorefining Conversions Network conference, Oct. 21-23, 2014, Banff, AB | 2014 | Canada |