

HINDUSTAN UNIVERSITY
DEPARTMENT OF CHEMICAL ENGINEERING
Publications by faculty

| S.No. | Year | Author | Title of the Paper | Journal Name | Journal Details |
|-------|------|---------------------|--|--|------------------------------|
| 1 | 2017 | Dr. A. Anitha | Synthesis and characterization of reusable heteropolyacid for optimized biodiesel production from high acid value waste cooking oil – performance and emission studies | Fuel | Under review |
| 2 | 2017 | Dr. A. Anitha | Comparative performance and emission characteristics of methyl esters from waste cooking oil and used palm oil using a solid acid catalyst | International Journal of green energy | Accepted with modification |
| 3 | 2017 | Dr. N. Kavitha | Design, Analysis, Manufacturing and Testing of GFRP Composite Material with Hole | Journal of Automotive, Mechanical and Aerospace Engineering Research | Accepted |
| 4 | 2017 | Dr. D. Jini | Use of Phytohormones in Improving Abiotic Stress Tolerance to Rice | Advances in Rice Research for Abiotic Stress Tolerance (Elsevier) | Accepted |
| 5 | 2017 | Mr.Ashok Kumar | Evaluation of twelve commonly used siddha medicinal plants for activity against gram positive lower respiratory tract pathogens | International journal of innovative trends in Engineering & Research | Accepted |
| 6 | 2017 | Dr. D. Jini | Impact of Effluents from Wet Coffee Processing Plants on the Walleme River of Southern Ethiopia. | Research Journal of Environmental Toxicology | 11(3): 90-96. |
| 7 | 2017 | Ms. Melny Lisa Paul | Biological Decolourisation of Textile Effluent and Heavy Metal Reduction of Tannery Effluents - A Review | International journal of information research and review | Accepted with modification |
| 8 | 2017 | Dr. D. Jini | Prevalence of mental distress and its associated factors among students of Mizan Aman Health Science College, South West Ethiopia | Journal of Medical Sciences | 17 (2): 61-67 |
| 9 | 2017 | Dr. D. Jini | Genotypic Analysis of <i>Etroplus maculatus</i> in Western Ghat Rivers of India using Random Amplification of Polymorphic DNA (RAPD) analysis | Journal of Genetics and Genetic Engineering | 1(1): 1-8 |
| 10 | 2017 | Dr. V. Ravikumar | Thermal Decomposition Study of Paraffin Based Hybrid Rocket Fuel containing Aluminum and Boron additives | Thermochimica Acta | 655:63-75 |
| 11 | 2017 | Dr. A. Saravanan | Effect of Sintering and Synthesis of Transparent Alumina | International Journal of Modern Science and Technology | 2 (5):201 - 204 |
| 12 | 2017 | Dr. K. Jagadeeshwar | Self-assembly and drying assisted microstructural domain formation in poly(vinyl alcohol) and hyaluronic acid gels | Polymer Bulletin | DOI10.1007/s00289-017-1913-6 |
| 13 | 2016 | Dr. A. Saravanan | Wound Healing Ethano-pharmacological Potential of <i>Anisomeles malabarica</i> | International Journal of Modern Science and Technology | 1(8): 283-287 |
| 14 | 2016 | Dr. A. Saravanan | Biofuel production from Marine Microalgae <i>Nannochloropsis Oculata</i> using Dairy Industry waste water | International Journal of ChemTech Research | 9(05):346-351 |
| 15 | 2016 | Dr. A. Saravanan | Biofuel Production from Marine microalgae using paper and pulp industry wastewater | International Journal of Chemical Sciences | 14(4): 3249-3255 |
| 16 | 2016 | Dr N. Kavitha | Design of experiment to optimize the yield of silicon carbide whiskers from bio mass material | International journal of technical research & applications | 38: 79-81 |
| 17 | 2015 | Dr. V. Ravikumar | Regression rate studies of hybrid rocket fuel on a lab scale rocket motor | IEEE Xplore | Special Issue |
| 18 | 2015 | Dr. A. Anitha | Comparative Characterization Studies of Synthesized Cesium Tungstophosphoric Acid Nanoparticles | International Journal of Applied Engineering Research | 10(91):18-21 |

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|----|------|------------------|--|---|---------------|
| 19 | 2014 | Dr. A. Saravanan | Equilibrium and kinetic modeling of ACID RED88(AR88) Biosorption by ulva reticulata | International Journal of Chemical and Process Engineering Research | 1(3): 19-31 |
| 20 | 2014 | Dr. N. Kavitha | Wear behavior of sic-epoxy nanocomposites | Advancement of Material and Process Engineering, CAMX 2014 | Special Issue |
| 21 | 2013 | Dr. A. Anitha | Biodiesel: An Alternate Fuel from Waste Cooking Groundnut Oil Using Supported Heteropolyacids for Green Earth (Springer Publication) | Springer Earth system Sciences | 28: 467-475 |
| 22 | 2012 | Dr. A. Anitha | Heteropolyacids as heterogeneous and reusable catalyst for trans-esterification reactions | Discovery science | 1(1):14 - 18 |
| 23 | 2012 | Dr. A. Saravanan | Adsorption of heavy metals from Industrial effluent using Sargassum sp | Discovery science | 7(1): 10-13 |
| 24 | 2012 | Dr. A. Anitha | Transesertification of used cooking oils catalyzed by CsTPA/SBA 15 catalyst system in biodiesel production | International journal of engineering and technology | 4(1): 34-37 |
| 25 | 2012 | Dr. A. Saravanan | Column Study on the Removal of Metals from Industrial Effluents using the Biomass Sargassum sp | International Journal of Applied Research in Mechanical Engineering | 1: 6-9. |