Dr.M. Arulmozhi

| Professor and Head, | | All | Since 2016 |
|---|-----------|-----|------------|
| Department of Petrochemical Technology, | Citations | 207 | 197 |
| | h-index | 8 | 8 |
| University College of Engineering (BIT Campus), | i10-index | 6 | 6 |

Anna University, Trichirappalli-620 024

m.arulmozhi@aubit.edu.in

Office: 0431-2407983, Cell.: 09364467846

| TITLE | CITED BY | YEAR |
|---|----------|------|
| RSM and ANN modeling of dissolved oxygen response using paper industry effluent in semi batch fermenter J Sumathi, M Arulmozhi, S Sundaram DESALINATION AND WATER TREATMENT 188, 140-150 | | 2020 |
| One-step biological synthesis of cauliflower-like Ag/MgO nanocomposite with antibacterial, anticancer, and catalytic activity towards anthropogenic pollutants M Jayapriya, K Premkumar, M Arulmozhi, K Karthikeyan Research on Chemical Intermediates 46 (3), 1771-1788 | 4 | 2020 |
| Ethnic Probiotic Foods of South India and Their Health Benefits S Latha, A Hemamalini, SD Kumar, M Arulmozhi, D Dhanasekaran Fermented Food Products, 77 | | 2019 |
| Ameliorated Phenol Uptake from Paper Mill Effluent Onto Spent Brewer's Saccharomyces Cerevisiae in the Presence of Cetyl Trimethyl Ammonium Bromide M Arulmozhi, S Natarajan 2019 AIChE Annual Meeting | | 2019 |
| Statistical optimization, physio-chemical and bio-functional attributes of a novel exopolysaccharide from probiotic Streptomyces griseorubens GD5 G Vinothini, S Latha, M Arulmozhi, D Dhanasekaran International journal of biological macromolecules 134, 575-587 | 7 | 2019 |
| Green synthesis of silver nanoparticles using <i>Piper longum</i> catkin extract irradiated by sunlight: antibacterial and catalytic activity M Jayapriya, D Dhanasekaran, M Arulmozhi, E Nandhakumar, Research on Chemical Intermediates 45 (6), 3617-3631 | 19 | 2019 |
| Fabrication and characterisation of silver nanoparticles using bract extract of Musa paradisiaca for its synergistic combating effect on phytopathogens, free radical scavenging J Maruthai, A Muthukumarasamy, B Baskaran IET nanobiotechnology 13 (2), 134-143 | 1 | 2018 |
| Cell Aggregating Temperament and Biopotency of Cultivable Indigenous Actinobacterial Community Profile in Chicken (<i>Gallus gallus domesticus</i>) Gut System G Vinothini, R Kavitha, S Latha, M Arulmozhi, D Dhanasekaran Arabian Journal for Science and Engineering 43 (7), 3429-3442 | 2 | 2018 |

| Characterization, antibacterial, anti-arthritic and in-vitro cytotoxic potentials of biosynthesized Magnesium Oxide nanomaterial B Balraj, N Senthilkumar, IV Potheher, M Arulmozhi Materials Science and Engineering: B 231, 121-127 | 8 | 2018 |
|---|----|------|
| Optical, biological and catalytic properties of ZnO incorporated MgO nanostructures using Musa paradisiaca bract extract M Jayapriya, M Arulmozhi, B Balraj Ceram. Int 44, 13152-60 | 6 | 2018 |
| Optical and electrical characteristics of n-ZnSmO/p-Si heterojunction diodes K Ramachandran, A Muthukumarasamy, B Baskaran, S Chidambaram Applied Surface Science 418, 312-317 | 5 | 2017 |
| Abstraction of phenol onto Pseudomonas putida and Cetyl Trimethyl Ammonium Bromide. N Saravani, M Arulmozhi, A Anbuthangam, M Manimozhi Cellular and Molecular Biology (Noisy-le-Grand, France) 63 (6), 29-37 | 1 | 2017 |
| Isolation, characterisation and enzymatic activity of Streptomyces sp. and its pH control during fermentation process B Baskaran, A Muthukumarasamy IET Systems Biology 11 (4), 114-118 | 13 | 2017 |
| Optical and electrical properties of n-ZnAgAuO/p-Si heterojunction diodes R Krithikadevi, M Arulmozhi, C Siva, B Balraj, GM Kumar Journal of Materials Science: Materials in Electronics 28 (7), 5440-5445 | 7 | 2017 |
| Synthesis, characterization and electrochemical analysis of hydrothermal synthesized AgO incorporated ZrO ₂ nanostructures B Balraj, M Arulmozhi, C Siva, R Krithikadevi Journal of Materials Science: Materials in Electronics 28 (8), 5906-5912 | 7 | 2017 |
| Synthesis and characterization of Zinc Oxide nanoparticles using marine Streptomyces sp. with its investigations on anticancer and antibacterial activity B Balraj, N Senthilkumar, C Siva, R Krithikadevi, A Julie, IV Potheher, Research on Chemical Intermediates 43 (4), 2367-2376 | 34 | 2017 |
| Investigations on structural, optical and magnetic properties of solution-combustion-synthesized nanocrystalline iron molybdate K Ramachandran, S Chidambaram, B Baskaran, A Muthukumarasamy, Bulletin of Materials Science 40 (1), 87-92 | 7 | 2017 |
| Optical and electrical characteristics of n-ZnSmO/p-Si heterojunction diodes R Krithikadevi, M Arulmozhi, B Balraj, C Siva Applied Surface Science | 4 | 2017 |
| Green synthesis of zinc oxide nanoparticles by Celosia argentea and its characterization J Vaishnav, V Subha, S Kirubanandan, M Arulmozhi, S Renganathan Journal of Optoelectronic and Biomedical Materials 9, 59-71 | 13 | 2017 |

| Experimental Investigation on Abstraction of Phenol Onto <i>Micrococcus Iylae</i> and Cetyl Trimethyl Ammonium Bromide N Saravani, M Arulmozhi, K Vaidhegi CLEAN–Soil, Air, Water 44 (11), 1489-1498 | | 2016 |
|--|----|------|
| Influence of various process parameters on the biosorptive foam separation performance of o-cresol onto Bacillus cereus and Cetyl Trimethyl Ammonium Bromide N Saravani, M Arulmozhi Journal of the Taiwan Institute of Chemical Engineers 67, 263-270 | 1 | 2016 |
| One pot polyol synthesis of CuO-CuFe2O4 nanocomposites and their structural, optical and electrical property studies K Ramachandran, S Chidambaram, B Baskaran, A Muthukumarasamy, Materials Letters 175, 106-109 | 11 | 2016 |
| Cytotoxic potentials of biologically fabricated platinum nanoparticles from Streptomyces sp. on MCF-7 breast cancer cells B Baskaran, A Muthukumarasamy, S Chidambaram, A Sugumaran, IET nanobiotechnology 11 (3), 241-246 | 23 | 2016 |
| Performance and emission analysis of cotton seed oil biodiesel with alumina nanoparticle additive N Madhukrishnaa, DB Sivakumar, M Arulmozhi, M Chandrasekar, International Journal of Research Science and Engineering, 1-6 | 5 | 2016 |
| Experimental Investigation on the Performance of SI Engine using Oxygenate Additives DB Kumar, M Arulmozhi, TS Kumar Asian Journal of Research in Social Sciences and Humanities 6 (9), 246-253 | | 2016 |
| Experimental Study on Performance and Emission Characteristics of a Spark Ignition Engine with MTBE and DIPE DB Kumar, M Arulmozhi, TS Kumar Asian Journal of Research in Social Sciences and Humanities 6 (8), 2309-2320 | | 2016 |
| Enhanced control strategy for lab scale fermentation process of actinomycetes sp. and its antibacterial activity B Baskaran, A Muthukumarasamy 2015 Online International Conference on Green Engineering and Technologies | 9 | 2015 |
| Continuous foam fractionation of chromium (VI) ions from aqueous and industrial effluents M Arulmozhi, KMMS Begum, N Anantharaman Desalination and Water Treatment 53 (6), 1664-1674 | 5 | 2015 |
| Biosorbents for toxic heavy metals-A review SV Priya, M Arulmozhi IEEE-International Conference On Advances In Engineering, Science And | 1 | 2012 |

| TITLE | CITED BY | YEAR |
|---|----------|------|
| Bioremediation of colored industrial effluent using the white-rot fungi Phanerochaete Chrysoporium SV Priya, M Arulmozhi IEEE-International Conference On Advances In Engineering, Science And | | 2012 |
| Performance & emission of Si enginewith oxygenated fuel DB Sivakumar, M Arulmozhi, TS Kumar IEEE-International Conference On Advances In Engineering, Science And | 2 | 2012 |
| Performance & emission of SI Engine with oxygenated fuel DB Sivakumar, M Arulmozhi, TS Kumar IEEE-International Conference On Advances In Engineering, Science And | 4 | 2012 |
| Continuous foam separation of heavy metal ions from electroplating industrial effluent M Arulmozhi, KMMS Begum, N Anantharaman Chemical Engineering Communications 198 (4), 541-551 | 6 | 2010 |
| Removal of chromium (VI) ions by foam separation: Aqueous and industrial effluent M Arulmozhi, KM Meera, S Begum, N Anantharaman Int. J. Environ. Cult. Econ. Soc. Sustain 4, 69-76 | 2 | 2008 |
| Recovery of Zinc (II) Ions from Aqueous and Industrial Effluent Using a Continuous Foam Fractionator M Arulmozhi The 2008 Annual Meeting | | 2008 |

Studies on biological optical and electrical properties of biofabricated nanomaterials using Streptomyces sp

M Arulmozhi

Chennai

Investigations on doped and co doped ZnO nanostructures based heterojunction diodes for electronics applications M Arulmozhi

Chennai

FOAM SEPARATION OF PROTEINS

M ARULMOZHI, C SUDHA, KM MEERA, S BEGUM, N ANANTHARAMAN

The Chemist Volume 91| Number 1 print Download

V Subha, S Kirubanandan, M Arulmozhi, S Renganathan

Removal of Chromium (VI) ions by Foam Separation: Aqueous and Industrial Effluent

A Muthukumarasamy, KMMS Begum, N Anantharaman, C Cooper, ... International Journal of Environmental, Cultural, Economic and Social ...

REVERSE MICELLAR SEPARATION OF PROTEASE FROM FERMENTATION BROTH

G SAROJINI, M ARULMOZHI, P MULLAI, M THENMOZHI