

Papers published in last Five years:

International Journals	International Conferences
66	14

Publication Details

Journal Publication 2021 – 2022

- 1) Maheshwarkar, P., Ralhan, A., Sunder Raman, R., Tibrewal, K., Venkataraman, C., Dhandapani, A., Sadashiva Murthy, B.M., et al. (2022), Understanding the Influence of Meteorology and Emission Sources on PM2.5 Mass Concentrations Across India: First Results From the COALESCE Network, Journal of Geophysical Research:Atmospheres, <https://doi.org/10.1029/2021JD035663>
- 2) B P Deepthi, Pushpa Tuppad and K S Lokesh. 2022. Impact analysis of landuse/landcover change on hydrologic regime of Upper Cauvery basin. Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and Technology, Vol. 55(06): 36-49, ISSN (Online): 0493-2137 E-Publication: Online Open DOI 10.17605/OSF.IO/Y6F82
- 3) Shivaprasad K. S., Mahesh S. Electrochemical treatment of two health-care wastewaters - A comparative study, 2022, J. Separation Science and Technology, Taylor and Francis, <https://doi.org/10.1080/01496395.2022.2041035>
- 4) Mahesh S., Shivaprasad K. S. and Sanjana M. Ayurvedic Hospital wastewater degradation using electrochemical treatment, 2022, J. Water Science and Technology, IWA. <https://doi.org/10.2166/wst.2022.079>
- 5) Renukumar K S, Pushpa Tuppad, Anjaneyappa, 2021, Enhancing Non-Revenue Water Reduction by Incorporating Service Level Benchmarks and Best Practices, Journal of Indian Water Works Association.
- 6) SEAWEED A SUSTAINABLE SOURCE FOR BIOPLASTIC: A REVIEW, 2021, Shravya S C, Vybhava Lakshmi N, Pooja P, Kishore Kumar C M, Sadashiva Murthy B M International Research Journal of Modernization in Engineering, Technology and Science, e-ISSN: 2582-5208
- 7) B P Deepthi, Pushpa Tuppad and K S Lokesh. 2021. Estimation of Hydrologic Simulation in Upstream of KRS Reservoir using SWAT Model. IOP Conf. Ser.: Earth and Environmental Science 822: 012031. Online ISSN: 1755-1315, Print ISSN: 1755-1307

Journal Publication 2020 – 2021

- 1) R.Leela, Najamussahar H Mulla, B.M Krishna,B. Manoj Kumar, B. P Shivakumar., 2021, "Application of automated QUAL2Kw for water quality modeling in the Kabini river, Mysuru" International Journal of Scientific Research in Science and Technology.
- 2) Chaitanya B. S. and Shivakumar B. P., 2021, "Identification of groundwater potential zone using Remote sensing and GIS techniques for Mandya Taluk" World Journal of Engineering and Technology.
- 3) Bharath M., Krishna B M., and B Manoj Kumar., (2020), Degradation and Biodegradability improvement of the Landfill Leachate using Electrocoagulation with Iron and Aluminum Electrodes – A comparative study", Water Practice and Technology, 15/2, 540-549
- 4) Hanumanthappa Srikantha, Mahesh Shivaswamy and Sahana Mahesh. Batch electrochemical coagulation of real textile wastewater using Cu-SS and SS-Cu electrode combinations and its settleability aspects, Journal of Water Science and Technology, 82, 1467 – 1483

- 5) Bharath M., Krishna B M., and B Manoj Kumar., (2020), Degradation and Biodegradability improvement of the Landfill Leachate using Electrocoagulation with Iron and Aluminum Electrodes – A comparative study”, *Water Practice and Technology*, 15/2, 540-549
- 6) “Electrocoagulation Treatment for Removal of Color and Chemical Oxygen Demand in Landfill Leachate using Aluminum Electrode”, *International Journal of Recent Technology and Engineering*, 8, 89-92
- 7) Treatment of Textile Wastewater by Electro-Fenton Process Using Iron and Graphite Electrode, *International Journal of Innovative Research in Technology*, Volume 7 , Issue 8
- 8) Production of Biodiesel from Waste Cooking oil and Utilization of its By-Product. *International Research Journal of Engineering and Technology (IRJET)*, Volume: 07 Issue: 09, Sep 2020., 1268-1276

Journal Publication 2019 – 2020

- 1) Savitha Ulavi and S.M Shiva Nagendra (2019) ‘ Regression Modelling for Predicting Visibility in a Tropical Urban Environment’ *WIT Transactions on Ecology and Environment*, Vol 236, pp 149-157, doi:10.2495/AIR190151.
- 2) Najamussahar H Mulla, J Mohammed Nayaz Baig, B. M. Krishna, B. Manoj Kumar, Mudassira Tahneet B. Lahori (2019), “Estimation of Rate Constants for Nutrient Transformations”, *International Journal of Recent Technology and Engineering*, 8/3, 2437-2441
- 3) Singh S, Mahesh S, Sahana M. Three-dimensional batch electrochemical coagulation (ECC of healthcare facility wastewater-clean water reclamation. *Springer journals: Environmental Science and Pollution Research* 26(13), 12813-12827
- 4) Hemalatha H N, Mahesh S, NanjundaSwamy S, Sahana M. Hybrid dual treatment of Real Textile Wastewater using electrochemical treatment (ECT) and membrane bioreactor (MBR). *Desalination and Water Treatment*. 140, 50 – 57
- 5) Shruthi M, Mahesh S, Sahana M, Srikantha H. Simultaneous removal of arsenite and fluoride from ground water using batch electrochemical coagulation process – Role of aluminium with iron electrodes. *Oriental Journal of Chemistry*, 35, 1 – 12
- 6) Srikantha H, Mahesh S, Sahana M. Optimization of batch electrochemical coagulation for treatment of real textile wastewater using stainless steel electrodes by CCD of RSM. *Desalination and Water Treatment*. 146, 85 – 97
- 7) Shruthi M, Mahesh S, Sahana M, Srikantha H. Arsenite removal mechanism from groundwater in a two-dimensional batch electrochemical treatment process. *Desalination and Water Treatment*. 146, 266 – 277
- 8) Shahul Hameed, K. P., Sadashiva Murthy, B. M. (2019). Laboratory soil column studies on transport of petroleum VOCs in different subsoils. *Indian Journal of Environmental Protection*.
- 9) “Potentiometric xpolyphenol oxidase bio Sensor for sensitive determination of phenolic micro pollutants in environmental Samples”, *Environmental Science and Pollution Research*. 2, 1-4
- 10) Examining the Efficiency of Tamarindus Indica to aid in Fluoride Extermination from Groundwater, *Journal of Water Resource Engineering & Pollution studies*, 4(2), Pp 32-36
- 11) Shivamurthy Ravindra Yashas., Shadakshari Sandeep., BallagerePuttarajuShivakumar., NingappaKumar.,2019. “Potentiometric polyphenol oxidase bio Sensor for sensitive determination of phenolic micro pollutants in environmental Samples” *Environmental Science and Pollution Research*.
- 12) Shivamurthy Ravindra Yashas., Shadakshari Sandeep., BallagerePuttarajuShivakumar., NingappaKumar.,2019. “A matrix of perovskite micro-seeds and polypyrrole nanotubes tethered laccase/graphite biosensor for sensitive quantification of 2,4-dichlorophenol in wastewater” *The Royal Society in Chemistry*.

- 13) Bharath M, Krishna B M, Shivakumar B P., 2019. "Electrocoagulation Treatment for Removal of Color and Chemical Oxygen Demand in Landfill Leachate using Aluminum Electrode", International Journal of Recent Technology and Engineering.

Journal Publication 2018 – 2019

- 1) Bharath M, Krishna B M and Manoj Kumar B, "A Review of Electrocoagulation Process for Wastewater Treatment", International Journal of ChemTech Research, Vol.11, No.03, 289-302
- 2) Thanushree S., Lokesh K. S., B. Manoj Kumar, Jayaramu K, (2018), "Assessment of Non-Revenue Water (NRW) in Mysore City – A means to accomplish 24x7 Water Supply", Journal of Indian Water Works Association
- 3) Vol. 1, No. 2, 108-113
- 4) Vishishtta Nagaraj and B. Manoj Kumar., (2018), 'Removal of fluoride from synthetic water using chitosan as an adsorbent', Journal of Environmental Science, Toxicology and Food Technology, Vol. 12, 43-48
- 5) Vishishtta Nagaraj and B. Manoj Kumar., (2018), 'Removal of nitrate and hardness from synthetic water using chitosan as an adsorbent', International Journal of Engineering Science Technology And Research, Vol. 5, 2394-3386
- 6) Sahana, M., Srikantha, H., Mahesh, S., MahadevaSwamy, M. "Coffee Processing Industrial Wastewater Treatment Using Batch Electrochemical Coagulation with Stainless Steel and Fe Electrodes and their Combinations, and Recovery and Reuse of Sludge", J. Water Science Technology, IWA Publishing, 78, 279- 289
- 7) Hemalatha H N, Mahesh S, Nanjundaswamy, Sahana M. Electrochemical degradation of a real silk textile wastewater using iron electrodes., IOSR J. of Applied Chemistry., 11(6-1), 93 – 100
- 8) Shruthi M, Mahesh S, Sahana M, Srikantha H. Electrochemical coagulation treatment in simultaneous arsenite and fluoride removal from drinking water., Int. J. of Innovative research in Science, Engineering and Technology, 7(8), 9185 – 9193
- 9) Singh S, Mahesh S, Sahana M, Puneeth K M. Treatment of healthcare facility wastewaters by two dimensional (2D) electrochemical coagulation), settling and filterability aspects., J. of Water Process Engineering., 26, 200 – 220
- 10) Srikantha H, Mahesh S, Sahana M. CuO coated electrochemically generated textile wastewater sludge and CuO coated GAC as potential nono-adsorbents for color removal from real textile wastewater, Oriental J. of Chemistry, 34(4), 2144 – 2151
- 11) Yashas S.R., Shivakumar B.P., Udayashankara T.H., and Krishna B.M., 2018. "Laccase Biosensor: Green Technique for Quantification of Phenols in Wastewater (A Review)", Oriental Journal of Chemistry
- 12) Neshma C M and Krishna B M. "Review on treatment of industrial wastewater by electrochemical coagulation (ECC)", International Journal of advance Research, Ideas And Innovations in Technology (IJARIIT), 4(4), pp968-979
- 13) Sadashiva Murthy B.M., Parameshwaramurthy P.M., and Krupa Kadekoppa., (Sep 2018) "Design and development of grey water reuse system ", International Journal of Advance Research, Ideas and Innovations in Technology, 4 (5), pp266-272

Journal Publication 2017 - 2018

- 1) Yadhushree B., Shivakumar B.P., Keerthi D'souza., 2017, "Qualitative Risk Assessment and HAZOP study of Glass manufacturing Industry", International Journal of Advance Research Ideas and Innovations in Technology.

- 2) Vedavalli., Shivakumar B.P., Yogesh., 2017, "A Review on Production, Performance and Exhaust Emission of various Non-Edible oil Biodiesel., International Journal for Science and Advance Research Technology.
- 3) Bharath M, Krishna B M, Manojkumar B, 2018, A review of electrocoagulation process for wastewater treatment, International Journal of ChemTech Research (IJCR)
- 4) Yashas S R, Shivakumara B P, Udayashankara T H, Krishna B, 2018, Laccase Biosensor: Green Technique for Quantification of Phenols in Wastewater (A Review)", Oriental Journal of Chemistry
- 5) Parinitha .T. N., 2017, Treatability Studies for Hospital wastewater using Advanced Oxidation process, International Journal of Innovative Research in Science, Engineering and Technology
- 6) Sadashiva Murthy BM and Yashas SR, 2017, Synergistic Impact of Endocrine Disrupting Compounds (EDC"s) On Environmental Facilities: A Mini Review
- 7) International Journal of Engineering Trends and Technology (IJETT)
- 8) Sadashiva Murthy BM and Priyanka AM, 2017, A Review on Bio-Gas Generation from Anaerobic Digestion of Paper Sludge and Factors Affecting the Bio-Gas Generation, International Journal for Science and Advanced Research in Technology
- 9) Sadashiva Murthy BM and Priyanka AM, 2017, Biogas Generation using Anaerobic Digestion of Pulp And Paper Sludge, International Journal for Science and Advanced Research in Technology
- 10) Sadashiva Murthy BM, Madhuri. G, Ravi Tej Hegde, and Srinivas Rao RT, 2017,
- 11) A Review on Water Footprint Study For Steel Industry, International Journal for Science and Advanced Research in Technology
- 12) Divya, S., Nayana, M. V., Reang, A., Das, S., Istalingamurthy, D., Swamy, M. M. and Majumder, S, Air Quality Assessment and Prediction of NOx, SO2 and PM10 from Point Source using ISCST3 Model in an Industrial Area of Mysuru, International Journal of Innovative and Applied Research
- 13) Prabhavathi, V. and Istalingamurthy, D, Synthesis and Application of Iron Oxide Nano Particles Coated Sand (IONCS) for the Removal of Copper (Cu) and Chromium (Cr) from Industrial Effluent, International Journal for Science and Advanced Research in Technology
- 14) Ramyashree, H. S. and Istalingamurthy, D, Assessment of Indoor and Outdoor Air Monitoring in JSS Hospital, Mysuru, International Journal for Science and Advanced Research in Technology
- 15) Shreedevi, V., Istalingamurthy, D., and Chandrashekar, S, Treatment of Distillery Spent Wash Using Electrochemical Coagulation (ECC) Process, Journal for Science and Advanced Research and Technology
- 16) Yashas S.R., Shivakumar B.P., Udayashankara T.H., and Krishna B.M., 2018, "Laccase Biosensor: Green Technique for Quantification of Phenols in Wastewater (A Review)., Oriental Journal of Chemistry

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- 1) Prakash, B.M., MahadevaSwamy,M.and Mahesh, S., 2016, Air Pollutant Dispersion Studies Using AERMOD for Industrial Area of North-Western Part of Mysore City", International Journal of Innovative Research in Science, Engineering and Technology
- 2) Krishna B.M and Pushpalatha M., 2017, Electro Fenton process for wastewater treatment-A review" , International journal of advance research, ideas and innovations in Technology (IJARIIT)
- 3) Nethravathi V S., and Krishna B.M., 2017, "Electro chemical treatment of leachate by monopolar configuration using iron electrode" . International journal of research in Engineering and Technology (IJRET)

- 4) Renukumar K. S., PushpaTuppad, 2016, Improving water economics by reducing unaccounted-for-water in water distribution network through leakage control, Journal of Indian Water works Association
- 5) C. Hegde Nayana, Tuppad Pushpa, 2016, Nano Zero-valent Iron for the Removal of Color and Chemical Oxygen Demand of Textile Effluent
- 6) Indian Journal of Advances in Chemical Science
- 7) Sadashiva Murthy B. M., Shahul Hameed K.P., and Hariprasad N.V, 2016, Estimation of Volatile Organic Compound (VOC) Transport through Subsoil to Groundwater Using VLEACH Model, International Journal of Innovative Research in Science, Engineering and Technology
- 8) Sadashiva Murthy B.M., Udayashankara T.H., and Madhukar M, 2016, Sources of Arsenic in Groundwater and its Health Significance- A Review, International Quarterly Scientific Journal on Nature Environment and Pollution Technology
- 9) Sadashiva Murthy B.M., Parameshwaramurthy P.M., and Kavya S, 2016, Qualitative Characterization of Greywater from a Residential Complex in Bengaluru City, Karnataka, India, International Journal of Engineering and Technical Research
- 10) Sadashiva Murthy B.M., Chandrakanth R., and Nandlal B, 2016, Nails Used as Biomarkers for Fluoride Exposure, International Research Journal of Engineering and Technology (IRJET)
- 11) Sadashiva Murthy B.M., and Revathi H.U. , 2016, Treatment of Domestic Wastewater using Geotextile as a Filter media, International Research Journal of Engineering and Technology (IRJET)
- 12) Sadashiva Murthy. B. M. and Bharath. M. M, 2016, Toxicity Assessment of Municipal Solid Waste: A Case Study, International Research Journal of Engineering and Technology (IRJET)
- 13) Sadashiva Murthy B.M., Parameshwaramurthy P.M., and Kavya S, 2016, Greywater Treatment & Reuse: A Technological review, Global Journal for research analysis An International Journal
- 14) Sadashiva Murthy B.M., Udayashankara T.H., and Madhukar M, 2016, Impact of Climate Change on Rainfall Pattern and Reservoir Level, Journal of Water Resource Engineering and Management
- 15) Sadashiva Murthy B.M., and Revathi H.U, 2016, Treatment of Domestic Wastewater using Chemical Coagulation followed by Geotextile Filtration, International Journal of Recent Research in Interdisciplinary Science (IJRRIS)