PANEL OF EXPERTS

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No. of Publication : 45

No. of Publication : 14
(for last five years)

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List of publication for last five years:

1. Dasgupta D. Electrochemical Hydrogenation of Alpha Methyl Styrene to Cumene. Int J Electrochem Sci **2020**:8743–60.
2. Rohith S, Ramanan KK, Srinivas NS, Jegadeesan GB. Fe-Ni-Doped Graphene Oxide for Uranium Removal—Kinetics and Equilibrium Studies. Water, Air, Soil Pollut **2020**;231:444.
3. Udaykumar R, Srinivas NS, Jegadeesan GB. Biodegradation of Propylene Glycol Wastewater Using Bacterial Consortia Isolated from Municipal Wastewater Treatment Sludge–Process Kinetics and Optimization. Water, Air, Soil Pollut **2020**;231:286.
4. Shanmugham SR, Jegadeesan GB, Ponnusami V. Groundwater treatments using nanomaterials. Nanotechnol. Beverage Ind., Elsevier; **2020**, p. 25–49.
5. Jegadeesan GB, Amirthavarshini S, Divya J, Gunarani GI. Catalytic peroxygen activation by biosynthesized iron nanoparticles for enhanced degradation of Congo red dye. Adv Powder Technol **2019**;30:2890–9.
6. Jegadeesan GB, Srimathi K, Santosh Srinivas N, Manishkanna S, Vignesh D. Green synthesis of iron oxide nanoparticles using Terminalia bellirica and Moringa oleifera fruit and leaf extracts: Antioxidant, antibacterial and thermoacoustic properties.

Biocatal Agric Biotechnol **2019**;21:101354.

7. Gunarani GI, Raman AB, Dilip Kumar J, Natarajan S, Jegadeesan GB. Biogenic synthesis of Fe and NiFe nanoparticles using Terminalia bellirica extracts for water treatment applications. Mater Lett **2019**;247:90–4.
8. Arumugam A, Karuppasamy G, Jegadeesan GB. Synthesis of mesoporous materials from bamboo leaf ash and catalytic properties of immobilized lipase for hydrolysis of rubber seed oil. Mater Lett **2018**;225:113–6.
9. Arumugam A, Jegadeesan GB, Ponnusami V. Comparative studies on catalytic properties of immobilized lipase on low-cost support matrix for transesterification of pinnai oil. Biomass Convers Biorefinery **2018**;8:69–77.
10. Arumugam A, Thulasidharan D, Jegadeesan GB. Process optimization of biodiesel production from Hevea brasiliensis oil using lipase immobilized on spherical silica aerogel. Renew Energy **2018**;116:755–61.
11. Jegadeesan GB, Arumugam A. Examining selenium reduction mechanisms on Ni-Fe bimetallic nanoparticles using non-stationary kinetic modeling. J Environ Chem Eng **2017**;5:3895–902.
12. Jegadeesan GB, Lalvani SB. Selenium reduction on Ni-Fe bimetallic nanoparticles: effect of process variables on reaction rates. Desalin WATER Treat **2017;**67:292–9.
13. Jegadeesan, Gautham B., D. Balamurugan, R. Karthik, and V. Ananthanarayanan. "Modeling Volatilization Flux of Semi-Volatile Organic Compounds from Soil." *RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES* 7, no. 6 (**2016**): 2436-2445.
14. Jegadeesan GB, Mondal K, Lalvani SB. Adsorption of Se (IV) and Se (VI) Using Copper-Impregnated Activated Carbon and Fly Ash-Extracted Char Carbon. Water, Air, Soil Pollut **2015**;226:234.