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List of Publications in the last 5 years

2020

1. Thangamani Ramya, Periyaraman Premkumar, Amudha Thanarasu, Karthikeyan

   Velayutham, Anuradha Dhanasekaran, **Subramanian Sivanesan**., 2020 "Electrooxidation of coragen-contaminated wastewater using graphite electrodes and

   sorbent nano-hydroxyapatite" Environmental Technology (Accepted)

2. Devaraj Thiruselvi , Ponnusamy Senthil Kumar, Madhava Anil Kumar , Chyi-How Lay, Salma Aathika, Yuvarani Mani, D.Jagadiswary, Anuradha Dhanasekaran, Palaniyandi Shanmugam, **Subramanian Sivanesan** ,Pau-Loke Show., 2020 "A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives". International Journal of Hydrogen Energy.

3. Thiruselvi, D., Yuvarani, M., Salma, A., Arafath, Y., Jagadiswary, D., Kumar, M.A., Anuradha, D., Shanmugam, P. and **Sivanesan, S**., 2020. Enhanced biogas from sewage sludge digestion using iron nanocatalyst from Vitex negundo leaf extract: response surface modeling. International Journal of Environmental Science and Technology, pp.1-12.

4. Saikia, Kongkona, Ponnusamy Senthil Kumar, Abiram Karanam Rathankumar, Sundar SaiLavanyaa, Lakshmi Srinivasan, **Sivanesan Subramanian**, Hubert Cabana, Mathilde Gosselin, and Vaidyanathan Vinoth Kumar. "Amino-functionalised mesoporous silica microspheres for immobilisation of Candida antarctica lipase B–application towards greener production of 2, 5-furandicarboxylic acid." (2020): IET Digital Library, pp. 733-739.

5. Salma Aathika Abdur Rawoof, Ponnusamy Senthil Kumar, Kubendran Devaraj, Thiruselvi Devaraj and **Sivanesan Subramanian** "Enhancement of lactic acid production from food waste through simultaneous saccharification and fermentation using selective microbial strains" biomass conversion and biorefinery (2020).

6. Ramya, T., Vidhya, L., Vinodha, S., Anuradha, D. and **Sivanesan, S**., 2020. Graphene Modified Electrochemical Sensors for Toxic Chemicals. Graphene-Based Electrochemical Sensors for Toxic Chemicals, 82, pp.1-24.

7. Rawoof, Salma Aathika Abdur, P. Senthil Kumar, Dai-Viet N. Vo, Kubendran Devaraj, Yuvarani Mani, Thiruselvi Devaraj, and **Sivanesan Subramanian**. "Production of optically pure lactic acid by microbial fermentation: a review." *Environmental Chemistry Letters* (2020): 1-21.

8. Mariselvam, A.K., Padmanabhan, K. and **Sivanesan, S**., 2020. Reliability of Results of Measurements of Air Pollution by Solid Particles by the Method of Detection of Scattered Laser Radiation. Measurement Techniques, pp.1-7.
9. Thanarasu, Amudha, Karthik Periyasamy, Premkumar Manickam Periyaraman, Thiruselvi Devaraj, Karthikeyan Velayutham, and **Sivanesan Subramanian**. "Comparative studies on adsorption of dye and heavy metal ions from effluents using eco-friendly adsorbent." Materials Today: Proceedings (2020).
10. Mariselvam Ammasi Krishnan, Thiruselvi Devaraj, Karthikeyan Velayutham, Vasudevan Perumal, and **Sivanesan Subramanian**. "Statistical evaluation of PM 2.5 and dissemination of PM 2.5, SO2 and NO2 during Diwali at Chennai, India." Natural Hazards (2020): 1-15.
11. Mani, Y., Devaraj, T., Devaraj, K., AbdurRawoof, S.A. and **Subramanian, S**., 2020. Experimental investigation of biodiesel production from Madhuca longifolia seed through in situ transesterification and its kinetics and thermodynamic studies. Environmental Science and Pollution Research, pp.1-13.
12. Devaraj, Kubendran, Yuvarani Mani, Salma Aathika Abdur Rawoof, Amudha Thanarasu, Anuradha Dhanasekaran, and **Sivanesan Subramanian**. "Feasibility of biodiesel production from waste cooking oil: lab-scale to pilot-scale analysis." Environmental Science and Pollution Research International (2020).
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15. Saikia, Kongkona, Abiram Karanam Rathankumar, Betsy Ann Varghese, Shravani Kalita, **Sivanesan Subramanian**, Swarnalatha Somasundaram, and Vaidyanathan Vinoth Kumar. "Magnetically assisted commercially attractive chemo-enzymatic route for the production of 5-hydroxymethylfurfural from inulin." Biomass Conversion and Biorefinery (2020): 1-11.
16. Radhakrishnan, K., **Sivanesan, S.** and Panneerselvam, P., 2020. Turn-On fluorescence sensor based detection of heavy metal ion using carbon dots@ graphitic-carbon nitride nanocomposite probe. Journal of Photochemistry and Photobiology A: Chemistry, 389, p.112204.
17. Dhanalakshmi, N., T. Priya, S. Thennarasu, **S. Sivanesan**, and N. Thinakaran. "Synthesis and electrochemical properties of environmental free l-glutathione grafted graphene oxide/ZnO nanocomposite for highly selective piroxicam sensing." Journal of Pharmaceutical Analysis (2020).

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1. Abiram Karanam Rathankumar, Sundar SaiLavanyaa, Kongkona Saikia, Anusha G, **Subramanian Sivanesan**, Mathilde Gosselin, Vinoth Kumar Vaidyanathan, Hubert Cabana, "Systemic Concocting of Cross-Linked Enzyme Aggregates of Candida antarctica

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4. Thangamani, Ramya, Muthukumar Muthusamy, Premkumar Manickam Periyaraman, Amudha Thanarasu, Thiruselvi Devaraj, Anuradha Dhanasekaran, and **Subramanian Sivanesan**. "Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite." Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 41, no. 7 (2019): 866-880.
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11. Thangaraj, Vidhyadevi, Kannan Aravamudan, Ravikumar Lingam, and **Sivanesan Subramanian.** "Individual and simultaneous adsorption of Ni (II), Cd (II), and Zn (II) ions over polyamide resin: Equilibrium, kinetic and thermodynamic studies." Environmental Progress & Sustainable Energy 38, no. s1 (2019): S340-S351.
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