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PUBLICATION IN LAST FIVE YEARS

S. No.	Title, Authors and Journal	Year
1.	Balachandramohan, J., **Sivasankar, T.** Sonication-assisted synthesis of a new heterostructured Schiff base ligand Silver-Guar gum encapsulated nanocomposite as a visible light photocatalyst ***Journal of Microencapsulation*** (Accepted)	2019
2.	Balachandramohan, J., **Sivasankar, T.**, Sivakumar, M. Facile Sonochemical Synthesis of Ag_2O-Guar Gum Nanocomposite as a Visible light Photocatalyst for the Organic Transformation Reactions, ***Journal of Hazardous Materials*** (Accepted).	2019
3.	Johin, J., Nidheesh, P.V., **Sivasankar, T.** Sono-electro-chemical Treatment of Reactive Black 5 Dye and Real Textile Effluent using $MnSO_4/Na_2S_2O_8$ electrolytes ***Arabian Journal for Science and Engineering,*** 44, 9987–9996.	2019
4.	Singh, R., Nidheesh, P.V., **Sivasankar, T.** Integrating ultrasound with activated carbon prepared from mangosteen fruit peel waste material for effective removal of reactive black 5 dye ***Environmental Engineering and Management Journal*** *(accepted)*	2019
5.	Kaviyarasan, K., Vinoth, V., **Sivasankar**, **T.,** Asiri, A.M., Wu, J.J., Anandan, S., Photocatalytic and Photoelectrocatalytic performance of Sonochemically Synthesized $Cu_2O@TiO_2$ Heterojunction Nanocomposites ***Ultrasonics Sonochemistry***, 51, 223-229.	2019
6.	Balachandramohan, J., **Sivasankar, T.**, Ultrasound Assisted Synthesis of Guar Gum-Zero Valent Iron Nanocomposites as a Novel Catalyst for the Treatment of Pollutants ***Carbohydrate Polymers***, 199, 41-50	2018
7.	Nazimudheen, G., Roy, K., **Sivasankar, T.**, Moholkar, V.S. Mechanistic Investigations in Ultrasonic Pretreatment and Anaerobic Digestion of Landfill Leachates ***Journal of Environmental Chemical Engineering***, 6, 1690–1701.	2018
8.	Balachandramohan, J., Anandan, S., **Sivasankar, T.** A simple approach for the sonochemical synthesis of Fe_3O_4-guargum nanocomposite and its catalytic reduction of p-nitroaniline, ***Ultrasonics Sonochemistry***, 2018, 40, 1-10.	2018

9.	Pugazhenthiran, N., Kaviyarasan, K., **Sivasankar**, **T.,** Emeline, A., Bahnemann, D., Mangalaraja, R.V., Anandan, S. Sonochemical Synthesis of Porous $NiTiO_3$ Nanorods for Photocatalytic Degradation of Ceftiofur Sodium ***Ultrasonics Sonochemistry***, 2017, 35, 342-350.	2017
10.	Dinesh, G.K., Anandan, S., **Sivasankar, T.** Sonophotocatalytic Degradation of Scarlet Red dye using Fe-Bi_2O_3 Catalyst and its Process Optimization by Response Surface Methodology ***Journal of Catalyst & Catalysis***, 3, 14-32.	2016
11.	Dinesh, G.K., Anandan, S., **Sivasankar, T.** Synthesis of Fe/ZnO composite nanocatalyst and its sonophotocatalytic activity on Acid yellow 23 dye and real textile effluent ***Clean Technologies and Environmental Policy***, 18, 1889–1903.	2016
12.	Dinesh, G.K., Anandan, S., **Sivasankar, T.** Synthesis of Fe doped Bi_2O_3 Nanocatalyst and its Sonophotocatalytic Activity on Synthetic Dye and Real Textile Wastewater ***Environmental Science and Pollution Research***, 23, 20100–20110.	2016
13.	Kaviyarasan, K., Anandan, S., Mangalaraja, R.V., **Sivasankar, T.**, Ashokkumar, M. Sonochemical synthesis of Cu_2O nanocubes for enhanced chemiluminescence applications ***Ultrasonics Sonochemistry***, 29, 388-393.	2016
14.	Reddy, D.R., Dinesh, G.K., Anandan, S., **Sivasankar, T.** Sonophotocatalytic Treatment of Naphthol Blue Black dye and Real Textile Wastewater using Synthesized Fe doped TiO_2 ***Chemical Engineering and Processing: Process Intensification***, 99, 10-18.	2016
15.	Saravanan, S., **Sivasankar, T.** Effect of ultrasound power and calcination temperature on the sonochemical synthesis of Copper Oxide nanoparticles for textile dyes treatment, ***Environmental Progress & Sustainable Energy***, 35, 669-679.	2016
16.	Saravanan, S., **Sivasankar, T.** Sono-Fenton degradation of Basic Blue 3 dye: Understanding the mechanism, parametric effect and kinetic studies ***Materials Focus***, 4, 313-320.	2015
17.	Geddam, S., Dinesh, G.K., **Sivasankar, T.** Determination of Thermal Performance of a Box Type Solar Cooker ***Solar Energy***, 113, 324-331 *(DOI: 10.1016/j.solener.2015.01.014)*.	2015
18.	Dinesh, G.K., Anandan, S., **Sivasankar, T.** Sonophotocatalytic treatment of Bismarck Brown G dye and real textile effluent using synthesized novel Fe(0) doped TiO_2 catalyst ***RSC Advances***, 5, 10440-10451 *(DOI: 10.1039/C4RA07685K)*.	2015
19.	Hemapriyamvadha, R., **Sivasankar, T.** Sonophotocatalytic treatment of Methyl Orange Dye and Real Textile Effluent using synthesized nano-Zinc Oxide ***Coloration Technology,*** 131, 110-119 *(Doi: 10.1111/cote.12139)*.	2015

20. Kurukutla, A.B., Satishkumar, P., Anandan, S., **Sivasankar, T.** 2015
Intensification of Sonochemical Degradation of Rhodamine B using Oxidants, hydrogen peroxide /peroxydisulphate/ peroxymonosulphate with Fe^{2+} ion: Proposed Pathways and Kinetics
Environmental Engineering Science, *32(2), 129-140.*

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21. Saravanan, S., **Sivasankar, T.** 2015
Ultrasound Assisted Fenton's treatment of Reactive Black 5 dye: Effect of system parameters, kinetics and mechanism
Desalination and Water Treatment, *56, 492-501.*

Book Chapters

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22. Dinesh, G.K., **Sivasankar, T.**, Anandan, S. 2016
Metals Oxides and Doped Metal Oxides for Ultrasound and Ultrasound Assisted Advanced Oxidation Processes for the Degradation of Textile Organic Pollutants
In: Handbook of Ultrasonics and Sonochemistry
Editors: Ashokkumar, M. (Springer), 733-759, ISBN: 978-981-287-277-7.