

30.06.2022

**LIST OF PUBLICATIONS**

**Academic Year 2021- 2022**

S. No	Name of the faculty	Title of the paper	Name of the Journal	Volume No, Issue No Page No Month & Year	Indexing Scopus/ SCI	Impact factor & Quartiles	Online Link of the paper
1	Dr. S. Balasubramanian	Eco-friendly pH detecting paper-based analytical device: towards process intensification	Analytica Chimica Acta	Volume 1182, Oct 2021 338953	SCI	IF: 6.2 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0003267021007790">https://www.sciencedirect.com/science/article/abs/pii/S0003267021007790</a>
2	Dr. S. Balasubramanian	Lab-on-a-chip technologies for food safety, processing, and packaging application: a review	Environmental Chemistry Letters	Nov 2021	SCI	IF: 15.7 Q1	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8590809/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8590809/</a>
3	Dr. S. Balasubramanian	Studies on the feasibility of bisphenol-A removal and its kinetics using Pseudomonas aeruginosa in both flask and inverse fluidised bed reactor	Chemical Engineering Communications	Dec 2021 Pg181-191	SCI	IF: 2.586 Q2	<a href="https://www.tandfonline.com/doi/abs/10.1080/00986445.2021.2012462?journalCode=gcec20">https://www.tandfonline.com/doi/abs/10.1080/00986445.2021.2012462?journalCode=gcec20</a>

4	Dr. S. Karunakaran, & Dr. G. Surendran	Process technology for the removal of Cr(VI) from waste water by using Pig Iron sludge	Chemical Engineering and Technology	Mar 2022 Pg 543-551	SCI	IF: 2.215 Q2	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/ceat.202100448">https://onlinelibrary.wiley.com/doi/abs/10.1002/ceat.202100448</a>
5	Dr. G. Surendran, Dr. S. Karunakaran, & Dr. Nitu Kumari	Removal of contaminants from waste water by using Murrayakoenigii nanoparticles	Materials Today: Proceedings	Mar 2022	Scopus	-	<a href="https://www.sciencedirect.com/science/article/pii/S2214785322005405">https://www.sciencedirect.com/science/article/pii/S2214785322005405</a>
6	Dr. R. Bharathi Ganesan	Maximizing Adsorption involving three solutes on enhanced adsorbents using the mixture process variable design	ACS Omega	7, 23, May 2022 Pg 19561-19578	SCI	IF: 4.132 Q1	<a href="http://doi.org/10.1021/acsomega.2c01284">http://doi.org/10.1021/acsomega.2c01284</a>
7	Dr. M. Ramasamy	Data-based Modelling of Nonexplicit Two-time-scale Process via Multiple Timescale Recurrent Neural Network	Industrial and Engineering Chemistry Research	61, 26, Jun 2022, Pg 9356-9365	SCI	IF: 4.2 Q1	<a href="https://pubs.acs.org/doi/pdf/10.1021/acs.iecr.2c00797">https://pubs.acs.org/doi/pdf/10.1021/acs.iecr.2c00797</a>
8	Dr. A. K. Priya	A review on recent advancements in photocatalytic remediation for harmful inorganic and organic gases	Chemosphere	Volume 284, December 2021, 131344	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653521018166">https://www.sciencedirect.com/science/article/abs/pii/S0045653521018166</a>

9	Dr. A. K. Priya	Investigation of mechanism of heavy metals (Cr <sup>6+</sup> , Pb <sup>2+</sup> & Zn <sup>2+</sup> ) adsorption from aqueous medium using rice husk ash: Kinetic and thermodynamic approach	Chemosphere	Volume 286, Part 3, January 2022, 131796	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653521022682">https://www.sciencedirect.com/science/article/abs/pii/S0045653521022682</a>
10	Dr. A. K. Priya	Experimental studies on the removal of heavy metal ion concentration using sugarcane bagasse in batch adsorption process	Desalination and water treatment	224, pp.256-272. 2021	SCI	IF: 1.254 Q3	<a href="https://www.deswater.com/DWT_abstracts/vol_24/224_2021_256.pdf">https://www.deswater.com/DWT_abstracts/vol_24/224_2021_256.pdf</a>
11	Dr. A. K. Priya	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils	Chemosphere	Volume 287, Part 4 Jan 2022	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653521028411">https://www.sciencedirect.com/science/article/abs/pii/S0045653521028411</a>
12	Dr. A. K. Priya	Orange peel extract influenced partial transformation of SnO <sub>2</sub> to SnO in green 3D-ZnO/SnO <sub>2</sub> system for chlorophenol degradation	Journal of Hazardous Materials	2022 Feb 15;424(Pt B):127464.	SCI	IF: 10.588 Q1	<a href="https://pubmed.ncbi.nlm.nih.gov/34653855/">https://pubmed.ncbi.nlm.nih.gov/34653855/</a>
13	Dr. A. K. Priya	Occurrences and removal of pharmaceutical and personal care products from aquatic	Environmental Research	Volume 204, Part C, March 2022, 112298	SCI	IF: 6.498 Q1	<a href="https://doi.org/10.1016/j.envres.2021.112298">https://doi.org/10.1016/j.envres.2021.112298</a>

		systems using advanced treatment- A review					
14	Dr. A. K. Priya	Adsorption of Molybdenum from Wastewater by Surface Altered Agricultural Solid Waste	Iranian Journal of Chemistry and Chemical Engineering	Volume 41, Issue 6 - Serial Number 116, Pages 1883-1895, September 2021	SCI	IF: 0.759 Q3	<a href="https://www.ijcce.ac.ir/article_245933.html">https://www.ijcce.ac.ir/article_245933.html</a>
15	Dr. A. K. Priya	Engineering strategies and opportunities of next generation biofuel from microalgae: A perspective review on the potential bioenergy feedstock	Fuel	Volume 312, 15 March 2022, 122827	SCI	IF: 6.609 Q1	<a href="https://www.sciencedirect.com/science/article/pii/S0016236121026909?dgcid=author">https://www.sciencedirect.com/science/article/pii/S0016236121026909?dgcid=author</a>
16	Dr. A. K. Priya	Bi-based photocatalysts for bacterial inactivation in water: Inactivation mechanisms, challenges, and strategies to improve the photocatalytic activity	Environmental Research	Volume 209, June 2022, 112834	SCI	IF: 6.498 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S001393512200161X">https://www.sciencedirect.com/science/article/abs/pii/S001393512200161X</a>
17	Dr. A. K. Priya	Advancements on sustainable microbial fuel cells and their future prospects: A review	Environmental Research	Volume 210, 112930, February 2022	SCI	IF: 6.498 Q1	<a href="https://www.sciencedirect.com/science/article/abs/">https://www.sciencedirect.com/science/article/abs/</a>

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18	Dr. A. K. Priya	Visible light stimulated binary nanostructure and defect enriched TiO <sub>2</sub> -SnO <sub>2</sub> for photocatalysis and antibacterial activity	Materials Letters	Volume 316, 1 June 2022, 131998	SCI	IF: 3.423 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X22003512">https://www.sciencedirect.com/science/article/abs/pii/S0167577X22003512</a>
19	Dr. A. K. Priya	Removing microplastics from wastewater using leading edge treatment technologies: a solution to microplastic pollution—a review	Bioprocess and Biosystems Engineering	2023 Mar;46(3):309-321.	SCI	IF: 3.21 Q2	<a href="https://trebuchet.public.springernature.app/get_content/a4dfcfa0-8092-458f-9077-acdc3d6182e7">https://trebuchet.public.springernature.app/get_content/a4dfcfa0-8092-458f-9077-acdc3d6182e7</a>
20	Dr. A. K. Priya	Surface modification of TiO <sub>2</sub> by adding V <sub>2</sub> O <sub>5</sub> nanocatalytic system for hydrogen generation	Chemical Engineering Research and Design	Volume 182, June 2022, Pages 114-119	SCI	IF: 3.739 Q2	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0263876222001526">https://www.sciencedirect.com/science/article/abs/pii/S0263876222001526</a>
21	Dr. A. K. Priya	A review of graphene-based semiconductors for photocatalytic degradation of pollutants in wastewater	Chemosphere	Volume 300, March 2022, 134391	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653522008840">https://www.sciencedirect.com/science/article/abs/pii/S0045653522008840</a>

22	Dr. A. K. Priya	Microplastics in the environment: Recent developments in characteristic, occurrence, identification and ecological risk	Chemosphere	Volume 298, May 2022, 134161	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045653522006543">https://www.sciencedirect.com/science/article/abs/pii/S0045653522006543</a>
23	Dr. A. K. Priya	Role of nanotechnology for the conversion of lignocellulosic biomass into biopotent energy: A biorefinery approach for waste to value-added products	Fuel	Volume 322, 15, 124236, May 2022	SCI	IF: 6.609 Q1	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0016236122010912">https://www.sciencedirect.com/science/article/abs/pii/S0016236122010912</a>
24	Dr. A. K. Priya	Insight on recent development in metallic biomaterials: Strategies involving synthesis, types and surface modification for advanced therapeutic and biomedical applications	Biochemical Engineering Journal	Volume 187, 108522, June 2022	SCI	IF: 4.446 Q2	<a href="https://www.sciencedirect.com/science/article/pii/S1369703X22001917">https://www.sciencedirect.com/science/article/pii/S1369703X22001917</a>
25	Dr. A. K. Priya	Recent trends and advancements in nanoporous membranes for water purification	Chemosphere	Volume 303, Part 3, 135205, June 2022	SCI	IF: 7.086 Q1	<a href="https://www.sciencedirect.com/science/article/pii/S0045653522016988">https://www.sciencedirect.com/science/article/pii/S0045653522016988</a>

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