

Details of Publications

CAY m3 (2021-2022)

S. No	Faculty Name	Publication Title	Title, Year, Vol, Issue, Page, Publisher	SCI/ Scopus / WoS, Quartiles	DoI	Is Available on online? (Yes/No)
<b>Journals</b>						
1	Dr. A. K. Priya	A Review on Recent Advancements in Photocatalytic Remediation for Harmful Inorganic and Organic Gases	Chemosphere, 2021, Vol. 284, pp.131344, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2021.131344">https://doi.org/10.1016/j.chemosphere.2021.131344</a>	Yes
2	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, 2022, Vol. 286, part 3, pp.131796, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2021.131796">https://doi.org/10.1016/j.chemosphere.2021.131796</a>	Yes
3	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, 2021, Vol. 224, pp. 256272, Elsevier	SCI / Q1	doi: <a href="https://doi.org/10.5004/dwt.2021.27160">10.5004/dwt.2021.27160</a>	Yes
4	Dr. A. K. Priya	The Influence of Different Parameters in Tribological Characteristics of Pineapple/Sisal/Ti O <sub>2</sub> Filler Incorporation	Journal of industrial Textiles, 2022, Vol.51, no.5, pp. 8626-8644, SAGE	SCI / Q2	<a href="https://doi.org/10.1177/15280837211022614">https://doi.org/10.1177/15280837211022614</a>	No

5	Dr.R.Dharmaraj	Influence of Diethanolamine on the Properties of Concrete, Corrosion Rate of Rebar and Renewable Energy Generation	Arabian Journal for Science and Engineering, 2021, Vol. 46, pp. 11487-11496, Springer	SCI / Q1	<a href="https://doi.org/10.1007/s13369-021-05974-0">https://doi.org/10.1007/s13369-021-05974-0</a>	Yes
6	Dr.R.Dharmaraj	Novel Approach to Handling Microfiber-Rich Dye Effluent for Sustainable Water Conservation	Advances in Civil Engineering, 2021, Article ID 1323472, 10 pages, Hindawi	SCI / Q2	<a href="https://doi.org/10.1155/2021/1323472">https://doi.org/10.1155/2021/1323472</a>	Yes
7	Dr.R.Dharmaraj	Investigation of Mechanical and Durability Properties of Concrete Mixed with Water Exposed to a Magnetic Field	Advances in Civil Engineering, Volume 2021, Article ID 2821419, Hindawi	SCI / Q2	<a href="https://doi.org/10.1155/2021/2821419">https://doi.org/10.1155/2021/2821419</a>	Yes
8	Dr. A. K. Priya	A Critical Review on Various Remediation Approaches for Heavy Metal Contaminants Removal From Contaminated Soils	Chemosphere, 2022, Vol. 287, part 4, pp.132369, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2021.132369">https://doi.org/10.1016/j.chemosphere.2021.132369</a>	Yes
9	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, Vol. 424, pp. 127464, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.jhazmat.2021.127464">10.1016/j.jhazmat.2021.127464</a>	Yes

10	Dr. A. K. Priya	Occurrences and Removal of Pharmaceutical and Personal Care Products From Aquatic Systems Using Advanced Treatment - A Review	Environmental Research, 2022, Vol. 204, Part C, pp. 112298, Academic Press inc.	SCI / Q1	<a href="https://doi.org/10.1016/j.envres.2021.112298">https://doi.org/10.1016/j.envres.2021.112298</a>	Yes
11	Dr. A. K. Priya	Defective Ce <sup>3+</sup> Associated CeO <sub>2</sub> Nanoleaves for Enhanced CO Oxidation	Fuel, 2022, Vol. 315, pp. 122822, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.fuel.2021.122822">https://doi.org/10.1016/j.fuel.2021.122822</a>	Yes
12	Dr. A. K. Priya	Adsorption of Molybdenum from Wastewater by Surface Altered Agricultural Solid Waste	Iranian Journal of Chemistry and Chemical Engineering, 2022, Vol. 41, pp. 1883-1895	SCI / Q3	<a href="https://doi.org/10.30492/ijcce.2021.525905.4601">10.30492/ijcce.2021.525905.4601</a>	Yes
13	Dr. A. K. Priya	Engineering Strategies and Opportunities of Next Generation Biofuel from Microalgae: A Perspective Review on the Potential Bioenergy Feedstock	Fuel, 2022, Vol. 312, pp. 122827, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.fuel.2021.122827">https://doi.org/10.1016/j.fuel.2021.122827</a>	Yes
14	Dr. A. K. Priya	Fabrication of MnO <sub>2</sub> Nano composite on GO Functionalized with Advanced Electrode Material for Supercapacitors	Journal of Nanomaterials, 2022, Vol.2022, Hindawi	SCI / Q2	<a href="https://doi.org/10.1155/2022/7929270">https://doi.org/10.1155/2022/7929270</a>	Yes

15	Dr. A. K. Priya	Performance Evaluation of Cyclic Stability and Capacitance of Manganese Oxide Modified Graphene Oxide Nano composite for Potential Super capacitor Applications	Journal of Nanomaterials, 2022, Vol.2022, Hindawi	SCI / Q2	<a href="https://doi.org/10.1155/2022/7352246">https://doi.org/10.1155/2022/7352246</a>	Yes
16	Dr.K.S.Elango	Mechanical and Durability Studies on Ficus Exasperata Leaf Ash Concrete	Advances in Civil Engineering, 2022, Vol.2022, Hindawi	SCI / Q2	<a href="https://doi.org/10.1155/2022/4038344">https://doi.org/10.1155/2022/4038344</a>	Yes
17	Dr. A. K. Priya	Bi-Based Photocatalysts For Bacterial Inactivation in Water: Inactivation Mechanisms, Challenges, and Strategies to Improve The Photocatalytic Activity	<u>Environmental Research</u> , 2022, Vol. 209, pp. 112834, Academic Press inc.	SCI / Q1	<a href="https://doi.org/10.1016/j.envres.2022.112834">https://doi.org/10.1016/j.envres.2022.112834</a>	Yes
18	Dr. A. K. Priya	Investigating The Role of Image Fusion In Brain Tumor Classification Models Based on Machine Learning Algorithm For Personalized Medicine	Computational and Mathematical Methods in Medicine, 2022, Vol.2022, Hindawi	SCI	<a href="https://doi.org/10.1155/2022/7137524">https://doi.org/10.1155/2022/7137524</a>	Yes
19	Dr. A. K. Priya	Advancements On Sustainable Microbial Fuel Cells and Their Future Prospects: A Review	Environmental Research, 2022, Vol. 210, pp. 112930, Academic Press inc.	SCI / Q1	<a href="https://doi.org/10.1016/j.envres.2022.112930">https://doi.org/10.1016/j.envres.2022.112930</a>	Yes

20	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	<u>Materials Letters</u> , 2022, Vol. 316, pp. 131998, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.matlet.2022.131998">https://doi.org/10.1016/j.matlet.2022.131998</a>	Yes
21	Dr. A. K. Priya	Removing Micro plastics From Wastewater Using Leading Edge Treatment Technologies: A Solution To Micro plastic Pollution - A Review	Bioprocess and Bio systems Engineering, 2022, Vol. 46, pp. 309-321, Springer	SCI / Q2	<a href="https://doi.org/10.1007/s00449-022-02715-x">https://doi.org/10.1007/s00449-022-02715-x</a>	Yes
22	Dr. A. K. Priya	Surface Modification of Tio <sub>2</sub> By Adding V <sub>2</sub> O <sub>5</sub> Nano catalytic System for Hydrogen Generation	Chemical Engineering Research and Design, 2022, Vol. 182, pp. 114-119, institution of Chemical Engineers	SCI / Q2	<a href="https://doi.org/10.1016/j.chemd.2022.03.046">https://doi.org/10.1016/j.chemd.2022.03.046</a>	Yes
23	Dr. A. K. Priya	A Review of Graphene-Based Semiconductors For Photocatalytic Degradation of Pollutants in Wastewater	Chemosphere, 2022, Vol. 300, pp. 134391, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2022.134391">https://doi.org/10.1016/j.chemosphere.2022.134391</a>	Yes
24	Dr. A. K. Priya	Micro plastics in the Environment: Recent Developments In Characteristic, Occurrence, Identification and Ecological Risk	Chemosphere, 2022, Vol. 298, pp. 134161, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2022.134161">https://doi.org/10.1016/j.chemosphere.2022.134161</a>	Yes

25	Dr. A. K. Priya	Role of Nanotechnology for the Conversion of Lignocellulosic Biomass into Bio potent Energy: A Bio refinery Approach for Waste to Value-Added Products	Fuel, 2022, Vol. 322, pp. 124236, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.fuel.2022.124236">https://doi.org/10.1016/j.fuel.2022.124236</a>	Yes
26	Dr. A. K. Priya	Insight on Recent Development in Metallic Bio materials: Strategies Involving Synthesis, Types and Surface Modification for Advanced Therapeutic and Biomedical Applications	Biochemical Engineering Journal, 2022, Vol. 187, pp. 108522	SCI / Q2	<a href="https://doi.org/10.1016/j.bej.2022.108522">https://doi.org/10.1016/j.bej.2022.108522</a>	Yes
27	Dr. A. K. Priya	Recent Trends And Advancements in Nanoporous Membranes for Water Purification	Chemosphere, 2022, Vol. 303, part 3, pp. 135205, Elsevier	SCI / Q1	<a href="https://doi.org/10.1016/j.chemosphere.2022.135205">https://doi.org/10.1016/j.chemosphere.2022.135205</a>	Yes
<b>Conference Proceedings</b>						
28	Mr.D.Vivek	Mechanical and Durability Studies of High Performance Concrete (HPC) With Nano-Silica	Materials Today: Proceedings, 2022, Vol 52, no. 3, Pp. 388-390, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.09.068">https://doi.org/10.1016/j.matpr.2021.09.068</a>	No
29	Mr.D.Vivek	A Review on Removal of Industrial Dyes Using Low Cost Natural Adsorbents	AIP Conference Proceedings, 2021, Vol. 2396, pp. 030008, American Institute of Physics	Scopus	<a href="https://doi.org/10.1063/5.0066425">https://doi.org/10.1063/5.0066425</a>	Yes

30	Dr.K.S.Elango	Glycerol as a Key Reactant In The Production of 3-Hydroxypropanoic Acid Using Engineered Microbes	AIP Conference Proceedings, 2021, Vol. 2396, pp. 030004, American Institute of Physics	Scopus	<a href="https://doi.org/10.1063/5.0066423">https://doi.org/10.1063/5.0066423</a>	Yes
31	Dr.K.S.Elango	Experimental Study on Self Compacting Concrete Using Light Weight Aggregate	Materials Today: Proceedings, 2022, Vol. 60, no. 3, pp. 1362 -1366, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.10.240">https://doi.org/10.1016/j.matpr.2021.10.240</a>	Yes
32	Ms.R.Kavitha	Flexural and Compressive Behaviour of I Steel Section Strengthened By Stainless Steel Plate	Materials Today: Proceedings, 2022, Vol. 52, no. 3, pp. 351 -354, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.09.054">https://doi.org/10.1016/j.matpr.2021.09.054</a>	Yes
33	Ms. S. Bharani	Experimental Study of Regur Soil Stabilization By Using Non-Metallic Waste Bottles	Materials Today: Proceedings, 2022, Vol. 52, no. 3, pp. 1598-1602, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.261">https://doi.org/10.1016/j.matpr.2021.11.261</a>	Yes
34	Mr.D.Vivek	Finite Element Modelling of Reinforced Concrete Element Under Corrosion Effects	Lecture Notes in Civil Engineering, 2022, Vol. 22, pp.725-734, Springer	Scopus / Q4	DOI:10.1007/978-981-16-8433-3_60	Yes
35	Dr.S.Kanmani	A Novel Approach on Usage of Waste Sludge From Textile Dyeing Units in Paver Block Manufacturing	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1952-1958, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.599">https://doi.org/10.1016/j.matpr.2021.11.599</a>	Yes

36	Dr.S.Anandaraj	An Experimental Study on Fly Ash (Fa) And Marble Powder in The Properties of Self-Compacting Concrete (SCC)	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1771-1774, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.441">https://doi.org/10.1016/j.matpr.2021.11.441</a>	Yes
37	Dr.S.Anandaraj	Strength Properties of Luffa Fibre Reinforced Concrete Containing RHA as Cement Replacement	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1817-1820, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.471">https://doi.org/10.1016/j.matpr.2021.11.471</a>	Yes
38	Dr.R.Dharmaraj	Experimental Studies on The Effect of Neem Seed Powder (NSP) as a Natural Admixture in Concrete	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1997-2002, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.634">https://doi.org/10.1016/j.matpr.2021.11.634</a>	Yes
39	Ms.P. indhiradevi	A Case Study of Using Median as an Alternative for Signal Controlled Intersection	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1991-1996, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.632">https://doi.org/10.1016/j.matpr.2021.11.632</a>	Yes
40	Mr.S. Logeswaran	Assessing The Demand of Route Network for Locating a Bus Terminus in a City – A Case Study of Gandhipuram Bus Terminus (Coimbatore City)	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1804-1806, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.458">https://doi.org/10.1016/j.matpr.2021.11.458</a>	Yes
41	Ms.C.Vinodhini	A Case Study on Recent Equipment's in Construction	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1800-1803, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.449">https://doi.org/10.1016/j.matpr.2021.11.449</a>	Yes

42	Ms.C.Vinodhini	Behavior of Concrete By Partial Replacement of Fine Aggregate With Eco Sand	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1986-1990, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.626">https://doi.org/10.1016/j.matpr.2021.11.626</a>	Yes
43	Dr.S.Anandaraj	Effects of Using White Flour, Zinc Oxide And Zinc Ash as an Admixture in Mortar and Concrete	Materials Today Proceedings, 2022, Vol. 52, no. 3, pp. 1788-1793, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.11.447">https://doi.org/10.1016/j.matpr.2021.11.447</a>	Yes
44	Dr.R.Saravanakumar	An Experimental Study on Concrete Block Using Construction Demolition Waste and Life Cycle Cost Analysis	Materials Today Proceedings, 2022, Vol. 60, no. 3, pp. 1320-1324, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.09.307">https://doi.org/10.1016/j.matpr.2021.09.307</a>	Yes
45	Dr.R.Saravanakumar	Analysis of Treatment Plant for Dyeing Industry Effluent	AIP Conference Proceedings, 2021, Vol. 2396, pp. 030009, American INSTITUTE of Physics	Scopus	<a href="https://doi.org/10.1063/5.0066306">https://doi.org/10.1063/5.0066306</a>	Yes
46	Mr.S. Elavarasan	Experimental Studies on Partial Replacement of E-Waste And Blast Furnace Slag in Concrete	Materials Today Proceedings, 2022, Vol. 62, no. 4, pp. 2000-2004, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2022.02.289">https://doi.org/10.1016/j.matpr.2022.02.289</a>	Yes
47	Ms. S. Bharani	Influence of Electronic Waste And Fly Ash in Strength and Durability Properties of Concrete	Materials Today Proceedings, 2022, Vol. 62, no. 4, pp. 2230-2234, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2022.03.461">https://doi.org/10.1016/j.matpr.2022.03.461</a>	Yes
48	Ms.R.Kavitha	Seismic Analysis and Design of Multilevel Car Parking Using Etabs	Materials Today Proceedings, 2022, Vol. 62, no. 4, pp. 2351-2356, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2022.04.212">https://doi.org/10.1016/j.matpr.2022.04.212</a>	Yes

49	Mr.S.Vinoth	Effect of Self-Compacting Concrete Added With Concrete Debris and Steel Slag Aggregate	Materials Today Proceedings, 2022, Vol. 65, no. 2, pp. 1785-1798, Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2022.04.820">https://doi.org/10.1016/j.matpr.2022.04.820</a>	Yes
50	Ms. S. Bharani	Seismic Response of Composite Bridges: A Review	Proceedings of international Conference on innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021), 2022, pp. 503–514, Springer	Scopus	<a href="https://doi.org/10.1007/978-3-030-93936-6_41">https://doi.org/10.1007/978-3-030-93936-6_41</a>	Yes
<b>Book/Book chapters</b>						
51	Dr. A. K. Priya	Synthesis of Nano-Particles and its Applications in Heavy Metal Removal From Wastewater- Inorganic Materials for Energy, Medicine and Environmental Remediation	Inorganic Materials for Energy, Medicine and Environmental Remediation, 2022, pp.81-97, Springer	Scopus	<a href="https://doi.org/10.1007/978-3-030-79899-4_4">DOI:10.1007/978-3-030-79899-4_4</a>	Yes
52	Dr. K. S. Elango	Micro Structural Study on OPC, PPC and Geopolymer (GP) Binder Mortar	Akinik Publications, Delhi	Non - Scopus	<a href="https://doi.org/10.22271/ed.book.1283">https://doi.org/10.22271/ed.book.1283</a>	Yes

53	Dr. A. K. Priya	Smart Healthcare Technology Challenges and Future Perspective	IGI Global Publication, 2022	Scopus	<u>DOI: 10.4018/978-1-7998-9636-4.ch016</u>	Yes
54	Ms. S. Bharani	Recent Advancement In Retrofitting of Distressed Structure: A Review	Annual Technical Volume of Civil Engineering Division Board, 2021, IEI	Scopus	-	Yes

  
HOD/Civil