



KARPAGA VINAYAGA
COLLEGE OF ENGINEERING AND TECHNOLOGY
 (Approved by AICTE, affiliated to Anna University and accredited by NAAC)
 GST Road, Chinna Kolambakkam, Madhuranthagam Taluk, Chengalpattu District – 603 308, Tamil Nadu

Academic year 2021 - 2022

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number	Index
1.	Role of nanomaterial's as adsorbent for heterogeneous reaction in waste water treatment	Mrs. Arthi G.	Biotech	Journal of Molecular Structure	0022-2860	Scopus
2.	Customer Relationship Management in Banking in the UK industry: Case of Lloyds Bank	Dr. S. Shahul Ameen	MBA	ECS Transaction	14325-14333	Scopus
3.	The Numerical Algorithms and Optimization Approach Used in Extracting the Parameters of the Single-Diode and Double-Diode Photovoltaic (PV) Models	Dr. S. Parasuraman	ECE	International Journal of Photoenergy	1110662X	Scopus
4.	The regime of constructed wetlands in greywater treatment	Dr. Ushani U	Biotech	Water Science and Technology;; 85 (11)	0273-1223	Scopus
5.	Theoretical prediction of odour determining parameters in dairy effluent using adaptive neuro fuzzy inference system	Ms. Anitha A.S.	Biotech	Global NEST Journal	1790-7632	Scopus
6.	Ziziphus Jujube seed derived biomass as cost effective biosorbent for the removal of Cr ⁶⁺ from aqueous solution: isotherm and kinetics studies	Ms. Anitha A.S.	Biotech	Global NEST Journal	1790-7632	Scopus



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7.	Current advances and future outlook on pretreatment techniques to enhance biosolids disintegration and anaerobic digestion: A critical review	Dr. Ushani U.	Biotech	Chemosphere	0045-6535	Scopus
8.	Biogenically engineered silver nanoparticles using bael leaf extract and evaluation of its therapeutic potential	Mr. Saktisree Jena	Biotech	Materials Technology	17535557	Scopus
9.	Processing of electroplating industry wastewater through dual chambered microbial fuel cells (MFC) for simultaneous treatment of wastewater and green fuel production	Dr. Ushani U.	Biotech	International Journal of Hydrogen Energy, (xxx)	0360-3199	Scopus
10.	A flavone derivative from Andrographis echinoides leaf extract positively alters the molecular targets of insulin signaling pathway	Sivakumar Kandhasamy	Biotech	South African Journal of Botany	0254-6299	Scopus
11.	A flavone derivative from Andrographis echinoides leaf extract positively alters the molecular targets of insulin signaling pathway	Vijayan Karthikeyan	Biotech	South African Journal of Botany	0254-6299	Scopus
12.	Preparation and characterization of amine-functionalized mupirocin-loaded zinc oxide nanoparticles: A potent drug	Vijayan Karthikeyan	Biotech	Journal of Drug Delivery Science and Technology	1773-2247	Scopus



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	delivery agent in targeting human epidermoid carcinoma (A431) cells					
13.	Development of ACCd producer A. brasilense mutant and the effect of inoculation on red pepper plants	Dr. Abitha Benson	Biotech	3 Biotech	Electronic ISSN : 2190-5738	Scopus
14.	Seed priming with biosurfactant and biosurfactant producing bacteria induces resistance against Ralstonia solanacearum in tomato plants	Dr. Ushani U	Biotech	Biocontrol Science and Technology	1360-0478	Scopus
15.	Experimental analysis of VCR diesel engine exhaust emissions with zirconium dioxide and basalt based catalytic converter using lemon grass oil	DR.S.KARTHIKA YAN	AUTO	Materials Today	2214-7853	Scopus
16.	Impacts of extrusion processing on food nutritional components.	Sivakumar, K.	BME	International Journal of System Assurance Engineering and Management.	0976-4348	Scopus
17.	The synergic impact of lignin and Lactobacillus plantarum on DSS-induced colitis model via regulating CD44 and miR 199a alliance.	Sivakumar K.,	BME	World J Microbiol Biotechnol	0959-3993	Scopus
18.	Insight into Reproductive Biololgy: Euryhaline Cyclopoid Copepods Apocyclops	Sivakumar K	BME	International Journal of Aquatic Biology.	2383-0956	Scopus



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	dengizicus and Apocyclops royi.					
19.	Effect of Thermocyclops decipiens and Artemia nauplii for Larval Rearing of Macrobrachium rosenbergii (De Man, 1879).	Sivakumar K	BME	COMU Journal of Marine Sciences and Fisheries.	2651-5326	Scopus
20.	The early organogenesis of Carassius auratus (Cyprinidae): A histological perspectives.	Sivakumar K	BME	International Journal of Zoological Investigations	2454-3055	Scopus
21.	Smart mattress integrated with pressure sensor and IoT functions for sleep apnea detection. Measurement:	Sangeetha, T	BME	Measurement: Sensors,	2665-9174	Scopus
22.	Smart mattress integrated with pressure sensor and IoT functions for sleep apnea detection. Measurement:	Kumutha, D	BME	Measurement: Sensors,	2665-9174	Scopus
23.	In Vitro Analysis of Anti-Diabetic Activity in Catharanthus roseus Root Extract with Piperine as a Bio-Enhancer,	Bliss Shiny N	BME	International Journal of Zoological Investigations,	2454-3055	Scopus
24.	In Vitro Analysis of Anti-Diabetic Activity in Catharanthus roseus Root Extract with Piperine as a Bio-Enhancer,	Ragini B	BME	International Journal of Zoological Investigations,	2454-3055	Scopus
25.	In Vitro Analysis of Anti-Diabetic Activity in Catharanthus roseus Root Extract with Piperine as a Bio-Enhancer,	Bhavya K	BME	International Journal of Zoological Investigations,	2454-3055	Scopus



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26.	In Vitro Analysis of Anti-Diabetic Activity in Catharanthus roseus Root Extract with Piperine as a Bio-Enhancer,	Sowmiya E.C	BME	International Journal of Zoological Investigations,	2454-3055	Scopus
27.	Implementation of Omar Pigeon Space-Time (OPST) algorithm to mitigate the interference and Peak-to-Average Power Ratio (PAPR) using RPR mobile and HST-HM in the 5G. Traitement du Signal- 1631-1638	Kumutha Duraisamy	BME	International Journal of Computational Methods and Experimental Measurements	2046-0546	Scopus
28.	Studying Mechanical, Thermal and Absorption, Characteristics of Water Hyacinth (Eichhornia crassipes) Plant Fibre Reinforced Polymer Composites	Dr Ajithram	Mechanical engineering	Journal of Natural Fibres (SCI), Taylor and Francis	1544-0478	Scopus
29.	Biological Waste Water Hyacinth (Eichhornia crassipes) Plant Powder Particle with Eggshell Filler Reinforced Epoxy Polymer Composite Material Property Analysis	Dr Ajithram	Mechanical engineering	Journal of Bionic Engineering (SCI), Springer	1386-1399	Scopus
30.	Broadband plus-shaped metasurface absorber based on graphene for visible and ultra violet regions	K.E.Lakshmi Prabha	Electrical and Electronics Engineering	Optical and Quantum electronics	ISSN: 110820220 4165	Scopus
31.	Experimental investigations on the performance of solar cooker using	D. V. Chithambaram	S and H	Environmental Progress & Sustainable Energy	1944-7442	Scopus



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	nichrome heating coil – Photovoltaic with microcontroller PIC 16F877A					
32.	Characterization of NiFe ₂ O ₄ (Nickel Ferrite) nanoparticles with very low magnetic saturation synthesized via co-precipitation method	Dr. V. Chitamparam	S and H	Applied Physics A	Electronic ISSN1432-0630	Scopus
33.	Random selected leader based optimization with Deep Learning Enabled Object Detection on Video	Prabu. S	AI & DS	NeuroQuantology	1122-1136	Scopus
34.	Recent Developments in Heteroatom/Metal-Doped Carbon Dot-Based Image-Guided Photodynamic Therapy for Cancer	Rajkumar sekar	S and H	Pharmaceutics	2022	Scopus