



Nallamuthu Gounder Mahalingam College

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An Autonomous Institution, Affiliated to Bharathiar University,
90, Palghat Road, Pollachi -642001, Tamilnadu, INDIA, Coimbatore

3.4.5 : Bibliometrics of the Publications during the year 2023-2024 based on Average citation index in Web of Science

S. No.	Authors	Article Title	Source Title	Publication Date	Publication Year	Volume	Issue	Times Cited, WoS Core
1.	Thendral, KT; Amutha, M; Ragunathan, R	Versatile biopolymer-functionalized copper cobalt oxide nanocomposite (Ch/CuCo ₂ O ₄): Synthesis and applications in antibacterial, anticancer, and photocatalysis	CERAMICS INTERNATIONAL	MAY 15	2024	50	10	3
2.	Vasanthapriya, R; Neelakandeswari, N; Uthayarani, K; Chitra, M	Effect of pH on the morphology of TiO ₂ nanostructures	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	APR-JUN	2023	18	2	2
3.	Kalaivani, A; Karpagavalli, S	Advanced domain adaptation for skin disease segmentation and classification using bootstrapping of fine-tuned deep learner	MULTIMEDIA TOOLS AND APPLICATIONS	2023 SEP 29	2023			2
4.	Thendral, KT; Amutha, M; Ragunathan, R	Design and development of copper cobaltite (CuCo ₂ O ₄) nanoparticle for antibacterial anticancer and photocatalytic activity	MATERIALS LETTERS	OCT 15	2023	349		8
5.	Vignesh, A; Amal, TC; Vasanth, K	Food contaminants: Impact of food processing, challenges and mitigation strategies for food security	FOOD RESEARCH INTERNATIONAL	SEP	2024	191		2



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S. No.	Authors	Article Title	Source Title	Publication Date	Publication Year	Volume	Issue	Times Cited, WoS Core
6.	Thendral, KT; Amutha, M; Ragunathan, R; Saranya, K	Development of manganese cobalt oxide (MnCo ₂ O ₄) nanoparticle as multifunctional agents for antibacterial, anticancer and dye degradation applications	INORGANIC CHEMISTRY COMMUNICATIONS	OCT	2024	168		1
7.	Senthilrajkapoor, P; Kalaierasi, G; Indumathy, R; Dharani, S; Lynch, VM; Sathiyaraj, G	Cobalt (II), Nickel (II) and Palladium (II) complexes appended terpyridine-based ligand: Synthesis, spectral characterization, anticancer activity and apoptosis investigation	APPLIED ORGANOMETALLIC CHEMISTRY	SEP	2023	37	9	2
8.	Gladju, J; Kanagaraj, A; Kamalam, BS	Use of data mining to establish associations between Indian marine fish catch and environmental data	ARCHIVES OF BIOLOGICAL SCIENCES		2023	75	4	0
9.	Sudha, D; Uthayarani, K; Neelakandeswari, N; Jeyadheepan, K; Chitra, M	Synthesis, characterisation and ethanol sensing applications of MoO ₃ -MoO ₂ nanostructures at room temperature	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	OCT-DEC	2023	18	4	0
10.	Vignesh, A; Amal, TC; Kalaiyarasan, J; Selvakumar, S; Vasanth, K	An effective bio-inspired synthesis of palladium nanoparticles using Crateva religiosa G.Forst. leaf extract: a multifunctional approach for environmental and biomedical applications	BIOMASS CONVERSION AND BIOREFINERY	2023 NOV 2	2023			7
11.	Aruchsamy, R; Velusamy, I; Dhandapani, PB; Radwan, T	Einstein Aggregation Operator Technique in Circular Fermatean Fuzzy Environment for MCDM	SYMMETRY-BASEL	SEP	2024	16	9	0



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12.	Vignesh, A; Amal, TC; Sivalingam, R; Selvakumar, S; Vasanth, K	Unraveling the impact of nanopollution on plant metabolism and ecosystem dynamics	PLANT PHYSIOLOGY AND BIOCHEMISTRY	MAY	2024	210		3
13.	Vignesh, A; Amal, TC; Sivalingam, R; Selvakumar, S; Vasanth, K	Influence of ecological factors on the phytochemical composition and bioactivity of Berberis tinctoria Lesch. wild edible fruits	BIOCHEMICAL SYSTEMATICS AND ECOLOGY	FEB	2024	112		1
14.	Aruchsamy, R; Velusamy, I; Sanmugavel, K; Dhandapani, PB; Ramasamy, K	Generalization of Fermatean Fuzzy Set and Implementation of Fermatean Fuzzy PROMETHEE II Method for Decision Making via PROMETHEE GAIA	AXIOMS	JUN	2024	13	6	1
15.	Aruchsamy, R; Velusamy, I; Dhandapani, PB; Nasiru, S; Chesneau, C	Modern Approach in Pattern Recognition Using Circular Fermatean Fuzzy Similarity Measure for Decision Making with Practical Applications	JOURNAL OF MATHEMATICS	MAY 7	2024	2024		3
16.	Sathiyaraj, G; Akilesh, M; Vignesh, A; Kumar, KN; Gopinath, S; Mohanapriya, S; Malecki, JM; Kadirvelu, K; Shankar, R; Dharmaraj, N	Benzothiazole-based Schiff base for sensing Ca ²⁺ ions: Synthesis, DFT studies, toxicity evaluation in zebrafish embryo and in silico analysis of MMP-9 inhibition	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	JAN 1	2025	458		0



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17.	Anusuya, M; Nagaveni, A; Jayanthi, E; Leelavathi, H; Yogeswari, B; Poonkodi, K; Vimaladevi, K; Prabhu, V; Pillai, MV	Green-synthesized flattened rice-shaped CuO and metal doped CuO nanoparticles using Bauhinia racemosa Lam. leaves extract and their photocatalytic and biological applications	INORGANIC CHEMISTRY COMMUNICATIONS	APR	2024	162		8
18.	Dharani, S; Nithya, V; Indumathy, R; Kalaiaarasi, G	Transition Metal Catalyst Free and Single-Step Synthesis of Significant Thiosemicarbazones via Oxidative Coupling Strategy	CHEMISTRYSELECT	SEP 26	2023	8	36	1
19.	Ravi, A; Annamalai, P; Sankar, V; Achutharaman, KR; Valdes, H; Saravanavadi, A; Muthaiahpillai, V; Alharbi, SA	Sustainable synthesis, superior performance: Nanoflower-like α -Bi ₂ O ₃ from solvent-free solid state for photocatalytic crystal violet degradation	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	APR	2024	157		8
20.	Sankudevan, P; Sakthivel, RV; Poonkodi, K; Ramalingam, G; Raghupathi, C; Alam, MM; Rangasamy, B	Effects of Different Precursors on Particle Size and Optical-Magnetic Properties of ZnCr ₂ O ₄ Nanoparticles Prepared by Microwave-Assisted Method	JOURNAL OF NANOMATERIALS	JAN 7	2023	2023		0



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21.	Nagaveni, A; Anusuya, M; Santharaj, D; Gunasekaran, SG; Gitanjali, J; Thangabalu, S; Krishnaveni, K; Jayanthi, E; Rajakumar, K	Tecoma stans intermediated green synthesis of copper oxide nanoparticles, their characterization, paracetamol degradation and biological activities	INORGANIC CHEMISTRY COMMUNICATIONS	DEC	2024	170		0


Dr. R. MANICKA CHEZIAN M.Sc., M.S., Ph.D.,
PRINCIPAL i/c
Nallamuthu Gounder Mahalingam College
Pollachi - 642 001, Coimbatore District.

