



KONGUNADUCOLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL-TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY PUBLICATIONS-International/National Journals

S. No.	DETAILS
ACADEMIC YEAR 2023-2024	
1	Govindasamy Palanisamy, Kandasamy Bhuvaneshwari, Jintae Lee, A Viji , Mohd Shkir, "Strategic rationalization for improved photocatalytic decomposition of toxic pollutants: Immobilizing Bi ₂ Te ₃ nanorods and V ₂ O ₅ nanoparticles over MoS ₂ nanosheets, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy" DOI :10.1016/j.saa.2023.123400, September 2023.SCI
2	G Velmurugan, R Ganapathi Raman, P Sivaprakash, A Viji , Shin Hum Cho, Ikhyun Kim, "Functionalization of Fluorine on the Surface of SnO ₂ -Mg Nanocomposite as an Efficient Photocatalyst for Toxic Dye Degradation", Nanomaterials, DOI:10.3390/nano13172494, September 2023.SCI.
3	Rajendran Vijayakumar, Arangarajan Viji , Karuppaiya Vanasundari, Vadivel Balachandran, Antony Prabhu Arockia Dass, Molecular Docking and DFT Calculations of Anthracene: Insights from Quantum Chemical Methods, Crystal Research and Technology, DOI:10.1002/crat.202300150, December 2023.SCI
4	S. Hemalatha, S. Sakthivel, V. Thamil Selvi, J. Jaziz Evelyn, T. Suba, S. Senthilkumar , A. Karthicka Study of Metacognition and Reading Comprehension, AIP Conference Proceedings, DOI:10.1063/5.0173417, November 2023.Scopus
5	L. Aruldoss, S. Sakthivel, A. Shirley Mary Vanitha, M. Karunakaran, S. Senthilkumar , M. Pramila "Loss and Recovery of Faith in God" with Reference to George Eliot's Silas Marner, AIP Conference Proceedings, DOI:10.1063/5.0172952, November 2023.Scopus
6	Murugan Kubendiran, Natarajan Karthikeyan , Chidambaram Ramesh Kannan, Subramanian Manivannan, Rathinavelu Venkatesh, Subbaiyan Naveen " Sustainable development and conservation of agro-waste coconut shell powder strengthen lightweight aluminum bio-composite for user friendly", <i>Environmental Quality Management</i> DOI:10.1002/tqem.22114, October 2023.SCI
7	R. Venkatesh, M. K. V. Karthikeyan, R. Sasikumar, C. B. Priya, N. Karthikeyan & S.Madhu, "Effective utilization of silica from waste Cow dung ash filier reinforced biodegradable jute epoxy composites: influence of silica on its mechnaical properties", Biomass Conversion and Biorefinery DOI:10.1007/s13399-023-04505-1, June 2023.SCI
8	Ramasamy Ramasubburayan, Nangan Senthilkumar, Kuppasamy Kanagaraj, Sanjay Basumatary, Sellamuthu Kathiresan , Jagadeesan Manjunathan, Meyyappan Revathi, Manickam Selvaraj, Santhiyagu Prakash "E nvironmentally benign, bright luminescent carbon dots from IV bag waste and chitosan for antimicrobial and bioimaging applications", DOI:10.1016/j.envres.2023.117182, September 2023.SCI
9	Sellamuthu Kathiresan , Mookkandi Palsamy Kesavan, Jamespandi Annaraj, Lokesh Ravi "DNA and albumin interaction studies of imidazole-based thiosemicarbazone-metal(II) chelates using spectroscopic and molecular docking methods: DNA cleavage, antioxidant and anti-inflammatory properties", DOI:10.1016/j.inoche.2023.111527, December 2023.SCI
10	A. Alvin Kalicharan, Vudata Rajesh, Jayaraman Pitchaimani, A. Rajalakshmi, Sellamuthu Kathiresan , Ravindranadh Koutavarapu, Mohan Rao Tamtam, Pugalenthiramesh "Salen complex of amino alcohol incorporated in two-dimensional matrices for supercapacitor applications", DOI:10.1016/j.matchemphys.2023.128485, December 2023.SCI
11	T. Suba, G. Jamuna, S. Hemalatha, J. Jaziz Evelyn "The subjugated souls in the god of small things", AIP Conference Proceedings, DOI:10.1063/5.0173246, November 2023. Scopus

12	Mrs.P.Thangamani , Mr.E.Manikandan, Dr.G.Saveetha, Dr.N.Karthikayan , Mathematics department has presented a paper titled “Performance evaluation of aluminum doped ZnO thin film for solar cell applications” in the 1 St I EEE international Conference on Multidisciplinary Research in Technology and Management –MRTM 23, organized by New Horizon College of Engineering, Bengaluru on 22 nd & 23 rd Sep 2023.
13	Mr.B.Raguraman , has presented a paper titled “Synthesis and production of green biohydrogen energy from waste agro products for future energy aspects” in the 1 St I EEE international Conference on Multidisciplinary Research in Technology and Management –MRTM 23, organized by New Horizon College of Engineering, Bengaluru on 22 nd & 23 rd Sep 2023.