

List of Publications

2023-2024

S.No	Title of the paper	First Author & Affiliation	Remaining Authors & Affiliation as per the order in papers	Name of the Journal / Conference	Volume No, Issue No Page No Month & Year	Indexing Scopus/ SCI/ SCIE/ WoSetc	Online Link of the paper (by clicking this link, paper should opened in online)
1.	The Emerging Role of Artificial Intelligence in STEM Higher Education: A Critical Review	Bharath Kumar Nagaraj & Revature LLC, Reston, Virginia, 20190, USA	Kalaivani A, Suraj Begum R, Akila S, Hemant Kumar Sachdev, Senthil Kumar N & Department of Physics, KPR Institute of Engineering and Technology, Coimbatore, Department of Science and Humanities, Sri Krishna College of Engineering and Technology, Coimbatore, Department of Physical Education and Sports, Central University of Tamil Nadu, Thiruvavur, Department of Computer Science and Engineering (AIML), KPR Institute of Engineering and Technology, Coimbatore, PG and Research Department of Physics, Kongunadu Arts and Science College, Coimbatore	International Research Journal of Multidisciplinary Technovation	Vol. 5(5), 2023	Scopus	https://journals.asianresassoc.org/index.php/irjmt/article/view/1386
2.	A Quantum Chemical and Nonlinear Optical Investigation on L-Tryptophan Hydrochloride Single Crystals for Optoelectronic Device Applications	Mohamed Ibrahim A & Research and Development Centre, Bharathiar University, Coimbatore	Arunachalam S, Suryakanth J, Velayutham Pillai M & Department of Electrochemistry, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Department of Physics, KPR Institute of Engineering and Technology, Avinashi Road, Arasur, Coimbatore, Department of Chemistry, NGM College, Pollachi	International Research Journal of Multidisciplinary Technovation	Vol. 5(4), 2023	Scopus	https://journals.asianresassoc.org/index.php/irjmt/article/view/1317
3.	Gelatin/polyethylene glycol-loaded magnesium hydroxide nanocomposite to attenuate acetylcholinesterase, neurotoxicity, and activation	Manickam Rajkumar & Cancer Nanomedicine Laboratory, Department of Zoology, School of Life Sciences, Periyar University	Sundarraj Navaneethakrishnan, Sundarapandian Muthukumar, Ramasundaram Thangaraj, Magudceswaran Sivanandam, Karuppaiya Vimala, Sundarapandian Kannan & Vermitechnology and Ecotoxicology Laboratory, Department of Zoology, School of Life Sciences,	Journal of Chemical Neuroanatomy	Vol.133, 102337, 2023	SCI	https://www.science-direct.com/science/article/abs/pii/S0891061823001072?via%3Dihub

	of GPR55 protein in rat models of Alzheimer's disease		Periyar University, Department of Physics, Center for Research and Development, KPR Institute of Engineering and Technology, Coimbatore, Cancer Nanomedicine Laboratory, Department of Zoology, School of Life Sciences, Periyar University, Salem				
4.	Investigational, computational explorations on betanin, lycopene, cyanidin, and peonidin organic photo sensitizers for green energy harvesting	Ananth Stephen & Department of Physics, KPR Institute of Engineering and Technology (Autonomous), Coimbatore	Karuna Saini, A. Suvitha, P. Vivek, T. Arumanayagam, M. Rekha, Bradha Madhavan & Department of Chemistry, Gurukul Kangri (Deemed to be University), Haridwar, Department of Physics, CMR Institute of Technology, Bengaluru, Department of Physics, Sri Sankara Arts and Science College, PG and Research Department of Physics, Pachaiyappa's College, Department of Instrumentation and Control Engineering (Autonomous), Sri Manakula Vinayagar Engineering College, Rathinam Research Centre, Rathinam Technical Campus, Coimbatore	Sustainable Energy Technologies and Assessments	Vol.60, 103451, 2023	SCOPUS, SCIE	https://www.science-direct.com/science/article/abs/pii/S2213138823004447
5.	Analysis and characterization of structural, morphological, thermal properties and colloidal stability of CuO nanoparticles for various natural fuels	C. Arun Paul & Department of Science and Humanities, Sri Krishna College of Engineering and Technology, Coimbatore	E. Ranjith Kumar, J. Suryakanth, A.F. Abd El-Rehim & Department of Physics, KPR Institute of Engineering and Technology, Coimbatore, Physics Department, Faculty of Science, King Khalid University, P.O. Box 9004, Abha,	Ceramics International	Vol. 49 (19), 31193- 31209, 2023	SCI	https://www.science-direct.com/science/article/abs/pii/S0272884223019909
6.	Phytoextract-mediated synthesis of Cu doped NiO nanoparticle using cullon tomentosum plant extract with efficient antibacterial	T. Indumathi & Department of Chemistry, CHRIST (Deemed to be University), Bangalore	Abdurahman Hajinur Hirad, Abdullah A. Alarfaj, E. Ranjith Kumar, Karthikeyan Chandrasekaran & Department of Botany and Microbiology, College of Science, King Saud University, Department of Physics, KPR Institute of Engineering and Technology, Coimbatore, Department of Chemical	Ceramics International	Vol. 49 (19), 31829- 31838, 2023	SCI	https://www.science-direct.com/science/article/abs/pii/S0272884223020709#:~:text=In%20the%20present%20study%2C%20nickel,NPs%20for%20their%20biological%20applications.

Department of Physics
KPR Institute of Engineering and Technology



	and anticancer property		and Biochemical Engineering, Dongguk University, Seoul				
7.	Optimising pharmacokinetics via ADMET, bioactivity of Zr substituted samarium-doped ceria nanomaterials	Bradha Madhavan & Rathinam Research Centre, Rathinam Technical Campus, Coimbatore	A. Suvitha, Nagaraj Balakrishnan, Ananth Steephen, P. Ajay & Department of Physics, CMR Institute of Technology, Bengaluru, Department of Electronics and Communication Engineering, Rathinam Technical Campus, Coimbatore, Department of Physics, KPR Institute of Engineering and Technology (Autonomous), Department of Electronics and Communication Engineering, Anna University	International Journal of Nanotechnology	Vol.20 (5-10), 512-522, 2023	SCOPUS, SCIE	https://www.inderscienceonline.com/doi/abs/10.1504/IJNT.2023.134007


Dr. S. ANANTH
 Professor and Head
 Department of Physics
 Kpr Institute of Engineering and Technology
 Coimbatore - 641 407.