

Research Publications in UGC CARE listed journals for the Academic year (2023-2024)

Sl. No.	Title of the paper	Name of the authors	Department of the faculty	Name of the Journal	ISSN Number	Month and Year of publication	Enlistment of the journal
1.	Effect of sintering temperature on re-distribution of cations, electronic structure and tuning of optical band gap and ferromagnetism in $Mn_{0.1}Co_{0.9}Fe_2O_4$ spinel ferrites	Nandagopal Abinaya, Muthaian Charles Robert , Kumaravel Kaviyapandimeena, Paul Chinnappan Christuraj	Physics	Z. Naturforsch	1865-7109	February & 2023	SCOPUS, Web of Science, UGC CARE List
2.	Sol-gel-synthesized rare earth La^{3+} ions doped Zn_2SiO_4 phosphors for lighting applications	P. Diana, S. Sebastian, S. Saravanakumar, M. Charles Robert , Mohd Shkir	Physics	Ceramics International	1873-3956	August & 2023	SCOPUS, Web of Science, UGC CARE List
3.	Electron density mapping and bonding in Mn doped $CoFe_2O_4$ using XRD, and its correlation with room temperature optical and magnetic properties	N. Abinaya, M. Charles Robert , N. Srinivasan, S. Saravanakumar	Physics	Journal of Magnetism and Magnetic materials	1873-4766	June & 2023	SCOPUS, Web of Science, UGC CARE List
4.	Glaucoma Detection, Segmentation and Classification: A Literature Review	Z. Abdul Basith	Information Technology	Dogo Rangsang Research Journal	2347-7180	June & 2023	UGC CARE List/dis – July 2023
5.	Energy gap tuning, ferromagnetic switching,	K. Kaviya Pandimeena, M. Charles Robert ,	Physics	Optik - International	0030-4026	September & 2023	SCOPUS, Web of

	visualization of electron density and bonding in dilute magnetic semiconductor Fe-doped SnO₂	S. Saravanakumar		Journal for Light and Electron Optics			Science, UGC CARE List
6.	A Review for Detecting cancer from histopathology images	A. Peer Mohamed	Information Technology	Dogo Rangsang Research Journal	2347-7180	June 2023	UGC CARE List/dis – July 2023
7.	Biogenic green synthesis of gold nanoparticles and their applications – A review of promising properties	M. Jannathul Firdhouse, P. Lalitha	Chemistry	Inorganic Chemistry Communications	1879-0259	September & 2022	SCOPUS, Web of Science, UGC CARE List
8.	Synthesis, antibacterial activity and adsorption studies of Bentonite-iron nanoparticles in the removal of methyl blue dye	M. Jannathul Firdhouse, K. Shahul Hameed, G. Jesline Mary, S. Sivakumar	Chemistry	Indian Journal of Chemical Technology	0971-457X	July & 2022	SCOPUS, Web of Science, UGC CARE List
9.	Storing and Accessing Medical Information using Blockchain for Improved security	G. Manonmani, K. Ponmozhi	Information Technology	Expert Clouds and Applications (ICOECA 2022) - Lecturer Notes in network and system	2367-3370	July & 2023	SCOPUS, UGC CARE List
10.	Transition from SnS₂ to SnO₂ under calcination: An analysis of the electronic and local structure using Maximum entropy method and Pair distribution function	N. Pavithra, M. Charles Robert K. Kaviyapandimeena	Physics	Journal of Xi'an University of Architecture & Technology	1006-7930	August & 2023	SCOPUS, UGC CARE List
11.	Structure, Electron Density Distribution using Maximum	N. Pavithra, M. Charles Robert	Physics	Crystal Research and Technology	1521-4079	August 2023	SCOPUS, Web of

	Entropy Method, Optical and Magnetic Characteristics of Fe Doped SnS₂						Science, UGC CARE List
12.	Synthesis and investigation of Sm³⁺-doped Mn_{0.5}Cu_{0.5}Fe₂O₄ nanoferrites for microstrip patch antenna application	R. Rajesh Kanna, P. Jeyakumar, N. Lenin, G. Marimuthu, Mookkandi Palsamy Kesavan , T. Venish Kumar	Chemistry	Journal of Materials Science: Materials in Electronics	0957-4522	June, 2023	SCOPUS, Web of Science, UGC CARE List
13.	One-pot biogenic synthesis of gold nanoparticles@saponins niosomes: Sustainable nanomedicine for antibacterial, anti-inflammatory and anticancer therapeutics	Srinivasan Ayyanaar, Mookkandi Palsamy Kesavan	Chemistry	Colloids and Surfaces A: Physicochemical and Engineering Aspects	0927-7757	August, 2023	SCOPUS, Web of Science, UGC CARE List
14.	Social entrepreneurship and Aravind eye care hospital in Madurai	S. Asha banu	Business Administration	Shodha-prabha	0974-8946	2023	UGC CARE List
15.	A study on progression of social entrepreneurship in India and its imminent opportunity	S. Asha banu	Business Administration	Journal of the Asiatic society of Mumbai	0972-0766	2023	UGC CARE List
16.	Insights of anti-diabetes, anti-microbial, DFT and molecular docking analysis of imine group Palladium(II) complexes	A. Nihath Nazleen M. Umadevi	Chemistry	Chemistry of Inorganic Materials	2949-7469	December & 2023	
17.	Biological function of sulfapyridine derivatives and their Manganese(II) complexes	A.Nihath Nazleen M. Umadevi	Chemistry	Journal of Coordination Chemistry	1029-0389	July & 2023	SCOPUS
18.	AN IoT-BASED RECENT SURVEY ON CYBER SECURITY	R. Karthigai Chelvi B. Balakumar	Information Technology	The Seybold	1533-9211	June & 2023	SCOPUS

19.	Approaches for IoT Cyber security Analysis Using Various Machine Learning	R. Karthigai Chelvi B. Balakumar	Information Technology	Scope	1177-5661	March & 2023	SCOPUS
20.	Analysis of Coverage in LoRa using secured IoT Systems	R. Karthigai Chelvi B. Balakumar	Information Technology	E3S Web of Conference	2267-1242	July & 2023	SCOPUS
21.	The Role of The Metaverse in Digital Marketing	G.Nagarajan, V. SundharaMoorthy. A. Khan Mohamed, A. SulthanMohideen , M. Mohamed Ishaq, M. Raja Lakshmi	Commerce	Journal for Educators, Teachers and Trainers	1989-9572	July & 2023	Web of Science
22.	Green Marketing: A Study of Consumer Perception and Preferences in India	Dheenadhayalan. A Maninder Singh Gill Kismat Kaur Taranjit Singh Vij A. Sulthan Mohideen M. Raja Lakshmi	Commerce	Journal of Survey in Fisheries Science	2368-7487	June 2023	SCOPUS
23.	Artificial Intelligence (AI) in Banking Industry and Customers Perspective	G. Nagarajan, R. Arunadevi, Rafiya Banu, Umesh U, A. Sulthan Mohideen , M. Raja Lakshmi	Commerce	Journal of Survey in Fisheries Sciences	2368-7487	June 2023	SCOPUS
24.	A Study on the Effect of Entrepreneurship on Economic Growth	C. Vijai, S. S. Onyx Nathanael Nirmal Raj, D. Paul Dhinakaran, Buvaneswari R, A Sulthan Mohideen , M. Raja Lakshmi	Commerce	European Economic Letters	ISSN 2323-5233	September 2023	UGC CARE List, ABDC indexed
25.	The Impact of Chat GPT on E-commerce	Amit Kumar, G. Nagarajan, M Surekha, C. Vijai, A. Sulthan Mohideen , D. Paul Dhinakaran, M. Raja Lakshmi	Commerce	Journal of Harbin Engineering University	1006-7043	July & 2023	SCOPUS

26.	The <i>in-vitro</i> and <i>in-vivo</i> radio labeling unfolds the vitellogenin protein expression site of <i>Bombyx mori</i> L as the ventral perivisceral fat body	M. Mohiadeen Batcha, A. Sajith Ahamed, M. Ashiq Ur Rahman , S. Janarthanan, M. Krishnan	Zoology & Microbiology	Journal of Asia-Pacific Entomology	1226-8615	June & 2023	SCOPUS, Web of Science, UGC CARE List
27.	Cymodocea serrulata-capped silver nanoparticles for battling human lung cancer, breast cancer, hepatic cancer: Optimization by full factorial design and in vitro cytotoxicity evaluation	S. Venmani Mookkandi Palsamy Kesavan Srinivasan Ayyanaar N. Muniyappan	Chemistry	Heliyon	2405-8440	September & 2023	SCOPUS, Web of Science, UGC CARE List
28.	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	Sellamuthu Kathiresan, Mookkandi Palsamy Kesavan , Jamespandi Annaraj, Lokesh Ravi	Chemistry	Inorganic Chemistry Communications	1387-7003	September & 2023	SCOPUS, Web of Science, UGC CARE List
29.	Magnetic iron oxide nanoparticles@lecithin/poly (l-lactic acid) microspheres for targeted drug release in cancer therapy	Srinivasan Ayyanaar, Mookkandi Palsamy Kesavan	Chemistry	International Journal of Biological Macromolecules	0141-8130	December & 2023	SCOPUS, Web of Science, UGC CARE List
30.	மனுஷ்ய புத்திரன் கவிதைகளில் விளிம்புநிலை மக்கள்	R. Karthik	Tamil	புதிய அவையம்	2456-821x	ஜூன்-2023	UGC CARE List
31.	Women Entrepreneurship: Research Review and Future Directions	D. Paul Dhinakaran, C. Vijai, S. Malathi, V. Kokila, M Mohamed Ishaq , M. Raja Lakshmi	Commerce	European Economic Letters	2323-5233	September & 2023	UGC CARE List, ABDC indexed

32.	Role of Self-Help Group in Socio-Economic Development of India	Srinivasa Rao Dokku, P. Sundara Bala Murugan, C. Vijai, D. Paul Dhinakaran, M Mohamed Ilyas , Raja Lakshmi	Commerce	European Economic Letters	2323-5233	September & 2023	UGC CARE List, ABDC indexed
33.	Studies On (Araneae) Diversity in Betel Vine Plant (Piperaceae) Ecosystem at Chinnamanur, Theni District, Tamil Nadu	Ms. R.Priya	Microbiology	International Journal of Current Science (IJCSPUB)	2250-1770	October 2023	UGC CARE List
34.	Experimental and theoretical investigation of spiro heterocyclic compound as potential inhibitor for mild steel in acid media	M. Jannathul Firdhouse , R. Menaka	Chemistry	Materials Today: Proceedings	2214-7853	December & 2023	SCOPUS, UGC CARE List
35.	Company Acquisition and Implementation of Zamidary System in Colonoal Tamilnadu 1799-1807	Dr. M. Amzad Ali	History	Journal of the Asiatic Society of Mumbai	0972-0766	September & 2023	UGC CARE List
36.	Justice Ministries and Social Measures in Colonial TamilNadu,1920-1931	Dr.M.Amzad Ali	History	Journal of the Asiatic Society of Mumbai	0972-0766	September & 2023	UGC CARE List
37.	Barcoding Mulletts (Mugilidae): Genetic Characterization of Exploited Species in Southern Peninsular India	Dr. M. Ashiq Ur Rahman	History	Diversity	1424-2818	December & 2023	SCOPUS, Web of Science, UGC CARE List
38.	Electrochemical investigation and surface interaction of thiophene based Chitosan Schiff base on mild steel surface in 1 M HCl	R. Menaka, V. Nijarubini, K. Sakthivel, P. Kavitha, M. Jannathul Firdhouse	Chemistry	Materials Today: Proceedings	2214-7853	March & 2024	SCOPUS, UGC CARE List

39.	Efficacy Of Cross Fit Training on Selected Physical and Physiological Variables Among College Women Volleyball Players	B. Akbar Ali	Physical Education	The Journal of Oriental Research Madras	0022-3301	February & 2024	UGC CARE List
40.	Influence Of Aerobic Exercise on Maximum Expiratory Power Among College Men Kabaddi Players	B. Akbar Ali	Physical Education	The Journal of Oriental Research Madras	0022-3301	February & 2024	UGC CARE List
41.	நவீன புதுக்கவிதைகளில் சங்க இலக்கிய அகமரபு ஒரு பார்வை	P. Murugan	Tamil	உங்கள் நூலகம்	2394-7535	அக்டோபர்-2023	UGC CARE List
42.	Targeted drug release and in vitro anticancer activities of iron oxide@folic acid/chitosan-based nano-niosomes	K. Parvathi, Mookkandi Palsamy Kesavan , R. Bhaskar, Cinna Raj Renukadevi, Srinivasan Ayyanaar	Chemistry	Colloids and Surfaces A: Physicochemical and Engineering Aspects	1873-4359	January & 2024	SCOPUS, Web of Science, UGC CARE List
43.	Photocatalytic degradation of phenolic pollutants over palladium-tungsten trioxide nanocomposite	Pitchaimani Veerakumar, Arumugam Sangili, Shen-Ming Chen, Raju Suresh Kumar, G. Arivalagan , M. Jannathul Firdhouse, K.Shahul Hameed, S. Sivakumar	Chemistry	Chemical Engineering Journal	1385-8947	June & 2024	SCOPUS, Web of Science
44.	Effect of zinc doping on structural, bonding nature and magnetic properties of co-precipitated magnesium-nickel ferrites	Kannan Balakrishnan Yelai, Muthaian Charles Robert and Abinaya Nandagopal	Physics	Z. Naturforsch	0340-4811	March & 2024	SCOPUS, UGC CARE List
45.	Ni-doped SnS2: an investigation into its optical, magnetic, and electronic structures	N. Pavithra, M. Charles Robert & M. Arulmozhi	Physics	Applied Physics A	0947-8396	December & 2023	SCOPUS, Web of Science, UGC CARE List

46.	Empirical correlation of ferromagnetism and electronic structure in Fe and Ni co-doped SnO₂ solid solutions: An X-ray analysis using maximum entropy method	K. Kaviya Pandimeena, M. Charles Robert , V. Raja	Physics	Ceramic International	1873-3956	December & 2023	SCOPUS, Web of Science, UGC CARE List
47.	Ferromagnetic ordering in Fe: TiO₂ solid solutions: A visual electron density mapping by maximum entropy method using powder X-ray data	S. Balaji Prasath, M. Charles Robert , K. KaviyaPandimeena, R.V. Jeba Rajasekhar	Physics	Physica B: Condensed Matter	0921-4526	June & 2024	SCOPUS, Web of Science, UGC CARE List
48.	Electronic Structure Using Powder XRD and Its Correlation with the Origin of Room-Temperature Magnetism in Cr³⁺ Doped SnO₂	K. KaviyaPandimeena, M. Charles Robert & M. Arulmozhi	Physics	Journal of Electronic Materials	0361-5235	June & 2024	SCOPUS, Web of Science, UGC CARE List