

**Research Publications**  
**2022 - 2023**

<b>Department</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>	<b>Link to the recognition in UGC enlistment of the Journal</b>
<b>English</b>	An Insight into the Existing of Human Relationship around the Famil in Kamala Markandaya's novels	K. Abirami	English	Stochastic Modeling & Applications	2022-2023	0972-3641	-
<b>History</b>	A View On Freedom Struggle And	Dr.R.Padmavathi	History	Kanpur Philosophers	2022-2023	IX Issue II	-
<b>Physics</b>	Augmenting the Photocatalytic Performance of Direct Z-Scheme Bi <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanocomposite	K.Mahalakshmi, D.Barathi, R.Ranjith, Pazhanivel Thangavelu, Matheswaran Priyadharshini,	Physics	Catalysts	2022-2023	ISSN 2073-4344	<a href="https://www.mdpi.com/journal/catalysts">Link to website of the Journal:</a> <a href="https://www.mdpi.com/journal/catalysts">https://www.mdpi.com/journal/catalysts</a> Link to article / paper / abstract of the
	Structural,spectral DFT and z-scan Analysis at (E)-4-Fluoro-N(3,4,5-Trimethoxybenzyliden	P.sangeetha Barathi Diravidamani A.Dhandapani M.suresh	Physics	Elsevier	2022-2023	0030-4206	<a href="http://www.elsevier.com/locate/Isleo">Link to website of the Journal:</a> <a href="http://www.elsevier.com/locate/Isleo">www.elsevier.com/locate/ Isleo</a>
<b>Chemistry</b>	Synthesis of bioactive mononuclear copper(II), nickel(II), cobalt(II) and manganese (II) shift's base complexes	T.Sujeshwari, E. Akila, and, P.Maheswaran	Chemistry	International Journal of Pharmaceutical science and research	2022-2023	14(2) , 977-1003	Web of science

	Outline of microbial fuel cells technology and their significant developments, challenges, and prospects of oxygen reduction	Kavery E, Prabhu. S, Sanhueza G., Maksudur R, Sim Yee Chin , Santhana Krishnan Pamalinga	Chemistry	Front. Chem. Eng.	2022-2023		Web of Science
	Core-Shell Nanofibers With Fire Retardant Properties Prepared By A Co-Axial Electrospinning Technique	Dr. Thenmozhi Sukumar, Dr. Krishna Kadirvelu	Chemistry	Chemistry Select	2022-2023	2365-6549	Web of Science
<b>Computer Science</b>	Aer-Aware data aggregation in wireless sensor network using hybrid multi-verse optimized connectd dominant set	Dr P.Suganthi	Computer Science	International Journal of information security and privacy	2022-2023	2511-2111	IP: 157.49.139.115
	Petal spider -Ant routing [PSAR] Protocol based proactive energy aware stablilized path routing scheme for improving MANET Network	Dr P.Suganthi	Computer Science	International Journal of inTELLIGENCE system and application in engineering	2022-2023	ISSN-2147-6799	Scopus index

	Designing Energy-Efficient Military Communication Using Modified Intelligent Water Drops Algorithm on MANETs.	Dr. P.Suganthi A. Uma Maheswari	Computer Science	International journal of Information Technology	2022-2023	2511-2112	Scopus index
	Trust based Secure and Reliable Routing Protocol of Military Communication on MANETs	Dr. P.Suganthi A. Uma Maheswari	Computer Science	Journal of Machine and Computing	2022-2023	2788-7669	Scopus index
<b>Microbiology</b>	Isolation and Plasmid Profiling of Pigment	Dr. V. Muthumani	Microbiology	Journal of Pharmaceutical	2022-2023	1769-1775	Scopus index
<b>Nutrition &amp; Dietetics</b>	Syntesis, characterization and	Dr.R.Sujatha	Nutrition & Dietetics	Journal of chemistry	2022-2023	2320-7876	UGC Approved
	A comparative study on the	Dr.R.Sujatha	Nutrition & Dietetics	Indian Journal of Natural sciences	2022-2023	0976-0997	UGC Approved
	Pharmacological properties and bioavailabilityh studies of 3-methyl	Dr.R.Sujatha	Nutrition & Dietetics	International journal of life science and pharma research	2022-2023		UGC Approved
	Synthesis, characterization and	Dr.R.Sujatha	Nutrition & Dietetics	Journal of Pharmaceutical	2022-2023	2456-9119	UGC Approved
	Evaluation of nutritional and sensory analysis of	Dr.R.Sujatha	Nutrition & Dietetics	Journal of Pharmaceutical research	2022-2023	2456-9119	UGC Approved