

**QUEEN MARY'S COLLEGE  
(AUTONOMOUS)  
CHENNAI - 600 004**



**RESEARCH PROFILE REPORT  
2021-2022**

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### **RESEARCH PROFILE OF QMC: 2021-22**

Research Committee contributed effectively in mobilizing the importance of applying for major and minor projects, carrying out quality research, publishing in UGC-CARE journals and registering their publications under google scholar, scopus and Web-of-science portals. Students were guided to enroll themselves in webinars and seminars, related to their passionate fields, present their research work in conferences, follow anti-plagiarism norms and follow ethical practices.

Nearly 34 webinar/seminars/conferences/workshops have been conducted by various departments of QMC in 2021-22 towards entrepreneurship, research or skill enhancement and knowledge updation.

75 research publication in reputed International and national Journals were published in 2021-22 and nearly 59 recognized research guides are available in 2021-22.

**3.3.2 Details of Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development during the year**

S. No	Name of the Workshop/ Seminar	Number of Participants	Date (From - To)	Link to the Workshop/Seminar report on the website	
1	Seminar on "Cloud Computing"	250	4/8/2022	<a href="https://queenmaryscollege.edu.in/images/activities/files/10:54:22amSeminaronCloudComputing.pdf">https://queenmaryscollege.edu.in/images/activities/files/10:54:22amSeminaronCloudComputing.pdf</a>	
2	Basics of Butterflies and their Identification	278	30/03/2021	<a href="https://youtu.be/XyjJWSL8qBU">https://youtu.be/XyjJWSL8qBU</a>	
3	NATIONAL WEBINAR ON SUSTAINABLE FOOD SYSTEMS FOR NUTRITION AND HEALTH - The Post graduate Department of Home Science and Nutrition Society of India (NSI) Chennai Chapter jointly organized in connection with Nutrition Month Celebrations on	200	23.9.2021	<a href="https://www.queenmaryscollege.edu.in/images/activities/files/11:00:04amHomeScienceAnnualReport2021-22-new.pdf">https://www.queenmaryscollege.edu.in/images/activities/files/11:00:04amHomeScienceAnnualReport2021-22-new.pdf</a>	
4	WORKSHOP ON STRESS MANGEMENT	50	30.12.2021		
5	WORLD FOOD DAY CELEBRATION- PUBLIC AWARENESS ON THE SIGNIFICANCE OF FOOD SCIENCE, PROFESSIONAL AGRICULTURISTS AND FOODPRENEURS IN CONNECTION WITH MILLET LEAF	48	16.10.2021		
6	BREAST FEEDING WEEK CELEBRATIONS 2021-2022	80	04.08.2021		
7	WORLD BREAST FEEDING AWARENESS PROGRAMME FOR PREGNANT AND LACTATING ICDS BENEFICIARIES	80	06.08.2021		
8	EXTENSION OF NUTRITIONAL KNOWLEDGE ON ADOLESCENT QMC HOSTEL STUDENTS 2021- 2022	50	28.12.2021		
9	EXPERIENTIAL LEARNING PROGRAMME	36	05.01.2022		
10	PARAMBARIYA UNAVUTHIRUVIZHA IN ASSOCIATION WITH INTEGRATED CHILD DEVELOPMENT SERVICE,CHENNAI	60	1.4.2022		
11	Online Orientation Programme for 1 year UG students	136	8.10.2021		<a href="https://www.queenmaryscollege.edu.in/images/acti">https://www.queenmaryscollege.edu.in/images/acti</a>

				vities/files/05:38:17amOrientationProgramme.pdf
1 2	Two- Day Workshop on Latex	86	19.04.2022 to 20.04.2022	<a href="https://www.queenmaryscollege.edu.in/images/activities/files/05:39:50amWorkshoponLatex.pdf">https://www.queenmaryscollege.edu.in/images/activities/files/05:39:50amWorkshoponLatex.pdf</a>
1 3	Seminar on Job Oppurtunities in Excel	200	23.12.2021	<a href="https://www.queenmaryscollege.edu.in/images/activities/files/05:19:30amSeminaronJobOppurtunitiesinExcel.pdf">https://www.queenmaryscollege.edu.in/images/activities/files/05:19:30amSeminaronJobOppurtunitiesinExcel.pdf</a>
1 4	JAN 2022-MUSIC PROG	40	5TH JAN-2022	SPIC MACAY- PROG - JOHAR ALI -HINDUSTANI VIOLIN
1 5	NATIONAL WEBINAR - ENVIRONMENTAL DAY	380	Jun-21	<a href="https://www.queenmaryscollege.edu.in/images/activities/files/02:46:43pmWebinar.pdf">https://www.queenmaryscollege.edu.in/images/activities/files/02:46:43pmWebinar.pdf</a>
1 6	INTERNATIONAL WEBINAR - WORLD TOURISM DAY	204	25-Sep	<a href="https://www.queenmaryscollege.edu.in/images/activities/files/02:57:27pmINTERNATIONALWEBINAR.pdf">https://www.queenmaryscollege.edu.in/images/activities/files/02:57:27pmINTERNATIONALWEBINAR.pdf</a>
1 7	INTERDEPARTMENTAL QUIZ COMPETITION-CHENNAI DAY	80	13-Sep-21	
1 8	Microscale analysis by Prof.S. Murugan	170	9th March 2022 Chemistry	<a href="https://docs.google.com/document/d/109-eLEZB4f5VV9eYMP-kTIUJ5DxJE1fk/edit">https://docs.google.com/document/d/109-eLEZB4f5VV9eYMP-kTIUJ5DxJE1fk/edit</a>
1 9	Semiinar-BCA“COMBATING CYBER CRIME	100	19th Mar 2022	
2 0	Semiinar-BCA WOMAN IN IMMERSIVE TECHNOLOGY	300	26th Mar 2022	
2 1	Physics: 3 days' workshop on “Fabrication and assembling of electrical lab equipments”	62	4th – 5th Jan 2022, 28th Feb 2022	<a href="https://queenmaryscollege.edu.in/dept/11/activity">https://queenmaryscollege.edu.in/dept/11/activity</a>
2 2	Physics Seminar: Turning Buildings into power houses through solar	75	30 th Mar 2022	
2 3	Tamil Webinar - Tholkappiyam Thodar Pozhivarangam	60	26 th – 28th Oct 2021	<a href="https://queenmaryscollege.edu.in/dept/41/activity">https://queenmaryscollege.edu.in/dept/41/activity</a>
2 4	Tamil – Memoir : Bharathiyar Ninaivu Noorttrandhu Vizha	60	21 st Oct 2021	
2 5	Series OF Webinars from Western Music Club -English	120	10/11/20 21 TO 24/04/20 22	<a href="https://queenmaryscollege.edu.in/westernclub">https://queenmaryscollege.edu.in/westernclub</a>

2 6	Series of TANDEM Research Club Webinars – English : FILM AND VISUAL MEDIA	15	7 <sup>th</sup> Aug 2021 to 6 <sup>th</sup> Apr 2022	<a href="https://queenmaryscollege.edu.in/theatre-public">https://queenmaryscollege.edu.in/theatre-public</a>
2 7	Rendezvous Series of Cinema Classics – English : FILM AND VISUAL MEDIA CLUB>	35	26 <sup>th</sup> Nov 2021	<a href="https://queenmaryscollege.edu.in/visual-media">https://queenmaryscollege.edu.in/visual-media</a>
2 8	Art Exhibition: Visual Arts and Creative Writing Club: English	23	1 <sup>st</sup> Nov 2021	<a href="https://meet.google.com/mdt-oqqy-bhh">https://meet.google.com/mdt-oqqy-bhh</a>
2 9	Creative Writing and Basic Calligraphy Workshop: Visual Arts and Creative Writing Club : English	21	6 <sup>th</sup> Dec 2021	<a href="https://www.youtube.com/watch?v=auJfsYUzpr0">https://www.youtube.com/watch?v=auJfsYUzpr0</a>
3 0	Reader’s Club Workshop series: English	30	1 <sup>st</sup> OCT 2021 – 15 <sup>th</sup> Oct 2021 (3 Sessions)	
3 1	Reader’s Club Activity Workshop Sessions : English	15	3 sessions through 29 <sup>th</sup> Oct 2021	<a href="http://youtu.be/nYUNpxCbGw">http://youtu.be/nYUNpxCbGw</a>
3 2	QMC NSS National Youth Day Webinar	34	12 <sup>th</sup> Jan 2022	<a href="https://youtu.be/hN29HC3AG90">https://youtu.be/hN29HC3AG90</a>
3 3	Workshop on Psychological Counselling: Historical Studies	30		<a href="https://www.youtube.com/watch?v=Tf7C6Hh6IEQ">https://www.youtube.com/watch?v=Tf7C6Hh6IEQ</a>
3 4	MELODY AND SYMPHONY OF MATHEMATICS AND HOW MATHEMATICS IS ORCHESTRATING THE WORLD - Mathematics	80	30/03/20 21	<a href="https://queenmaryscollege.edu.in/dept-gallery/33">https://queenmaryscollege.edu.in/dept-gallery/33</a>

## RESEARCH CLUBS LAUNCHED IN 2021-2022:

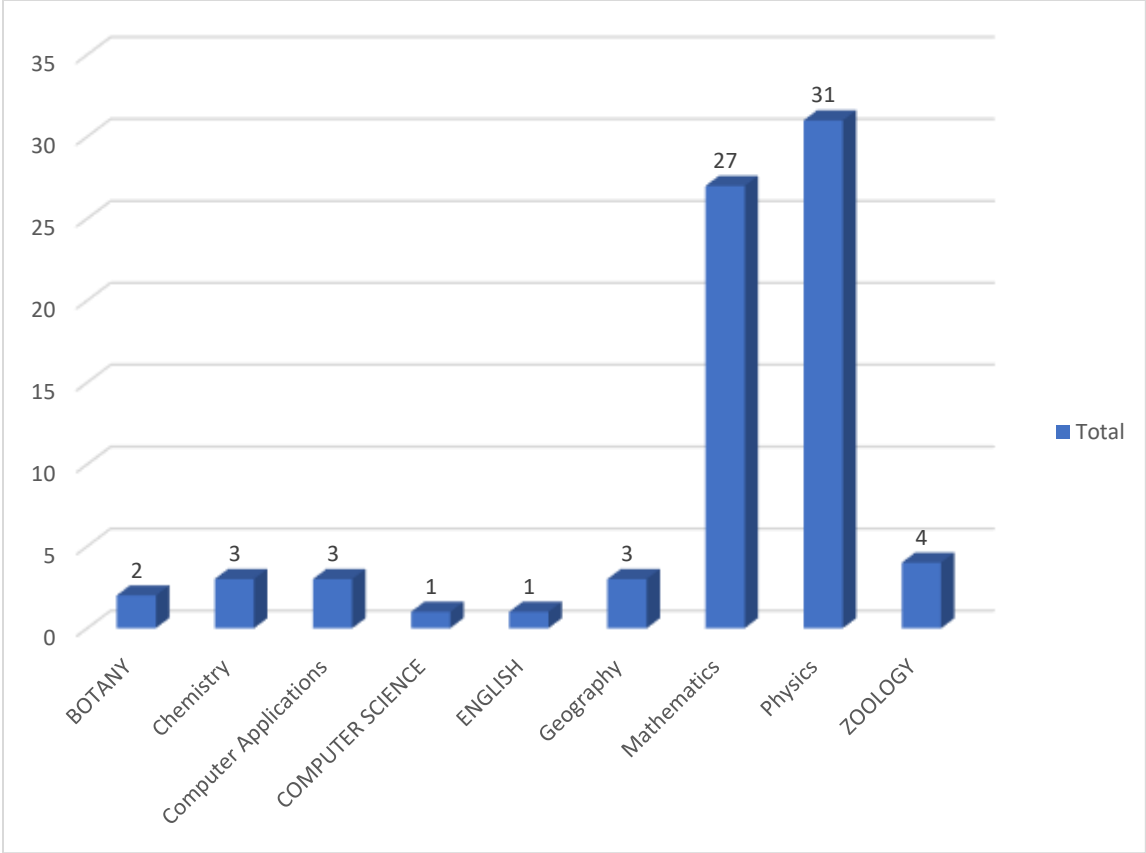
As an initial step to update research in every department the following departments have launched Research Club and activities through the club for the benefit of students towards recent updates in their subject related areas in 2021-22.

S.No	Department	Date of Launch	Activitites, if any, or link
1.	Botany	20-Nov-2021	<a href="https://queenmaryscollege.edu.in/assets/docs/Botany-Activity-Report-2021-22.pdf">https://queenmaryscollege.edu.in/assets/docs/Botany-Activity-Report-2021-22.pdf</a>
2.	Mathematics	23-Dec-2021	<a href="https://queenmaryscollege.edu.in/assets/docs/MathematicsResearchClub.pdf">https://queenmaryscollege.edu.in/assets/docs/MathematicsResearchClub.pdf</a>
3.	English	14-Jul-2021	TADEM CLUB ACTIVITIES: <a href="https://queenmaryscollege.edu.in/assets/docs/English_Report2021-22.pdf">https://queenmaryscollege.edu.in/assets/docs/English_Report2021-22.pdf</a>

## RESEARCH PUBLICATIONS OF FACULTY (2021-22)

QMC places on record the publication of 75 research departments in the year 2021-22 and 69 in the UGC care List journals.

S.No	Department	No. of Publications
1	BOTANY	2
2	Chemistry	3
3	Computer Applications	3
4	COMPUTER SCIENCE	1
5	ENGLISH	1
6	Geography	3
7	Mathematics	27
8	Physics	31
9	ZOOLOGY	4
10	<b>Grand Total</b>	<b>75</b>



**3.4.3 Details of research papers per teacher in CARE Journals notified on UGC website during the year**

S.N.O	Name of the Author(s)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal	LINK
1	<b>P.BAGYA LAKSHMI, A.MURUG ANDAM</b>	Computer Applications	Successive Convex Approximation with Adaptive Beam Scanning Antenna to Fore Fend Data Collision	Journal of Advances in Computer Networks Volume 10 Number 1	Jun-22	1793-8244	<a href="http://www.jacn.net/index.php?m=content&amp;c=index&amp;a=show&amp;catid=68&amp;id=355">http://www.jacn.net/index.php?m=content&amp;c=index&amp;a=show&amp;catid=68&amp;id=355</a>	<a href="#">(SCOPUS INDEXED)</a>
2	<b>J.Jacinth Salome, Leena</b>	Computer Applications	Deep learning based mammogram classification for breast cancer diagnosis using multilevel SVM	Springer volume 700, Pg 371-383	Feb-21	2369	<a href="http://dx.doi.org/10.1007/978-981-15-8221-9_35">http://dx.doi.org/10.1007/978-981-15-8221-9_35</a>	<a href="#">(SCOPUS INDEXED)</a>
3	<b>Mary Metilda, S Anitha</b>	Computer Applications	Apache Hadoop based effective sentiment analysis on demonetization and covid-19 tweets	International Conference on Intelligent Engineering Approach(I CIEA-2022) Volume 3, Issue 1	June 2022	ISSN 2666-285X	<a href="https://doi.org/10.1016/j.igt.2022.03.021">https://doi.org/10.1016/j.igt.2022.03.021</a>	<a href="#">(SCOPUS INDEXED)</a>
4	<b>S.LEELAL AKSHMI</b>	COMPUTER SCIENCE	Traffic Monitoring and Malicious Detection Multidimensional	International Journal of Information Security and Privacy (IJISP)	Apr-22	ISSN: 1930-1650 EISSN: 1930-1669 DOI	SCOPUS   IGI Global (igi-global.com)	<a href="#">(SCOPUS INDEXED)</a>



			nsional PCAP Data Using Optimized LSTM RNN			: 10.4018 /IJISP		<a href="#">XE</a> <a href="#">D</a>
5	<b>Dr. G.B.BRIN DHA DEVI</b>	ZOOL OGY	Effects of Illicium verum Hook. f. (Chinese herb) enriched diet on growth performan ce, immune response and disease resistance in Catla catla [Hamilton ] fingerlings against Aeromona s hydrophil a	Fish and Shell Fish Immunolog y - Elsevier	Augu st 2022	ISSN 1050- 4648.	<a href="https://mjl.clarivate.com/search-results?issn=1050-4648&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1050-4648&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">S</a> <a href="#">C</a> <a href="#">O</a> <a href="#">P</a> <a href="#">U</a> <a href="#">S</a> <a href="#">I</a> <a href="#">N</a> <a href="#">D</a> <a href="#">E</a> <a href="#">X</a> <a href="#">E</a> <a href="#">D</a> + <a href="#">W</a> <a href="#">O</a> <a href="#">S</a>
6	<b>Dr. J. Srividya</b>	Physic s	Synthesis, molecular structural, optical, thermal and third harmonic nonlinear optical analysis of Piperazine -1,4-diiium bis (2- carboxy-6- nitrobenz oate) tetrahydra	Optical Materials	Jul- 22	0925- 3467	<a href="https://mjl.clarivate.com/search-results?issn=0925-3467&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=0925-3467&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">S</a> <a href="#">C</a> <a href="#">O</a> <a href="#">P</a> <a href="#">U</a> <a href="#">S</a> <a href="#">I</a> <a href="#">N</a> <a href="#">D</a> <a href="#">E</a> <a href="#">X</a> <a href="#">E</a> <a href="#">D</a> + <a href="#">W</a> <a href="#">O</a> <a href="#">S</a>

			te single crystal					
7	<b>Dr. J. Srividya</b>	Physics	Crystal structure, molecular structural analysis, optical absorption and thermal analysis of 2-amino-6-methyl pyridine-1-ium 2-carboxy-6-nitro benzoate – A third harmonic nonlinear optical organic single crystal	Elsevier: Chinese Journal of Physics	Aug-22	0577-9073	https://mjl.clarivate.com:/search-results?issn=0577-9073&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	<a href="#">(S C O P U S I N D E X E D) + W O S</a>
8	<b>Dr. J. Srividya</b>	Physics	Crystal structure, Growth, Spectral, Hirshfeld surface, Optical, Thermal and Third harmonic nonlinear optical studies of 2-amino-6-methyl pyridine-1-ium acetamido	Springer: Journal of Materials Science: Materials in Electronics	Accepted in August 2022; Got published in Oct 2022	0957-4522 (print)	https://mjl.clarivate.com:/search-results?issn=0957-4522&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	<a href="#">(S C O P U S I N D E X E D) + W O S</a>

			acetate monohydrate single crystal					
9	Kalai Arasi Selva Arasu, Angel Grace Raja, <b>Rajakumari Rajaram</b>	Physics	Photocatalytic Degradation of Effluent water by CuO@Ag Core-shell Nanoparticles as Effective Catalyst under Irradiation of UV-light	Materials Today: Proceedings	1/1/2022	2214 - 7853	<a href="https://doi.org/10.1016/j.matpr.2022.08.230">https://doi.org/10.1016/j.matpr.2022.08.230</a>	<a href="#">(SCOPUS INDEXED)</a>
10	Angel Grace Raja, Kalai Arasi Selva Arasu, <b>Rajakumari Rajaram</b>	Physics	Synthesis, Characterization and Application of Chitosan-TPP-ZnO Nanocomposite for Efficient Treatment of Effluent Containing Sulphur Dye	Materials Today: Proceedings	1/1/2022	2214 - 7853	<a href="https://doi.org/10.1016/j.matpr.2022.07.426">https://doi.org/10.1016/j.matpr.2022.07.426</a>	<a href="#">(SCOPUS INDEXED)</a>
11	<b>Dr. G. Usha</b>	PHYSICS	(2E)-2-(3,4-Dimethoxybenzylidene)-3,4-dihydrophthalen-1(2H)-one	IUCrData Reports	2021	6, x210309	<a href="https://doi.org/10.1107/S2414314621003096">https://doi.org/10.1107/S2414314621003096</a>	UGC CARE LIST

1 2	<b>Dr. G. Usha</b>	PHYSICS	Analysis, thermal and optical properties of piperidine derivative for NLO applications	Materials Today: Proceedings	2021	e-proceedings	DOI.10.1016/j.matpr.2021.11.350	<a href="#">(S CO PU S IN DE XE D)</a>
1 3	<b>Dr. G. Usha</b>	PHYSICS	Structural and biological characterization of a biomolecule: (3E)-3-(2, 4, 5-trimethoxyphenyl) methylene) - 2, 3-dihydro-4H-1-benzopyran-4-one	Phosphorus, Sulfur, and Silicon and the Related Elements	2021	2021 Taylor & Francis Group, LLC	<a href="https://mjl.clarivate.com/search-results?issn=1042-6507&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1042-6507&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(S CO PU S IN DE XE D)</a> + <a href="#">W OS</a>
1 4	<b>Dr. G. Usha</b>	PHYSICS	Synthesis, structure determination, Hirshfeld surfaces analysis and anticancer activity study of a new biomolecule: (2E)-2-[[4-(benzyloxy)phenyl] methylene]-3,4-dihydro-	Phosphorus, Sulfur, and Silicon and the Related Elements	2021	2021 Taylor & Francis Group, LLC	<a href="https://mjl.clarivate.com/search-results?issn=1042-6507&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1042-6507&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(S CO PU S IN DE XE D)</a> + <a href="#">W OS</a>

			phthalen-1(2H)-one					
15	<b>Dr. G. Usha</b>	PHYSICS	Structural examination, theoretical calculations, and pharmaceutical scanning of a new tetralone based chalcone derivative	Journal of molecular structure	2022	1253(2022)132296	<a href="https://mjl.clarivate.com/search-results?issn=0022-2860&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=0022-2860&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(S C O P U S I N D E X E D) ± W O S</a>
16	<b>Dr. G. Usha</b>	PHYSICS	Synthesis, structure determination, molecular interaction analysis, molecular docking studies, and anticancer activity investigation of a chalcone derivative: (2E)-2-[(2,4-dimethoxyphenyl)methylidene]-3,4-dihydrophthalen-1(2H)-one	Materials Today: Proceedings	2022	NA	<a href="https://doi.org/10.1016/j.matpr.2022.04.479">https://doi.org/10.1016/j.matpr.2022.04.479</a>	<a href="#">(S C O P U S I N D E X E D) ± W O S</a>

17	<b>Dr. G. Usha</b>	PHYSICS	Structural, spectroscopic and quantum chemical analysis of an extended double bonded chalcone single crystal, with pharmaceutical scanning for breast cancer using MCF-7 Cell lines and EGFR domain target.	Journal of molecular structure	2022	NA	<a href="https://doi.org/10.1016/j.molstruc.2022.133849">https://doi.org/10.1016/j.molstruc.2022.133849</a>	(SCOPUS INDEXED)
18	<b>Dr. G. Usha</b>	PHYSICS	Crystal structure, Hirshfeld surfaces and energy framework studies of a biologically active compound (3E)-3-(2,3,4-trimethoxyphenyl)methylene)-2,3-dihydro-4H-1-benzopyran-4-one	Materials Today: Proceedings	2022	NA	<a href="https://doi.org/10.1016/j.matpr.2022.04.562">https://doi.org/10.1016/j.matpr.2022.04.562</a>	(SCOPUS INDEXED)

19	<b>Dr. G. Usha</b>	PHYSICS	Synthesis, In Vitro-In silico anticancer activity studies of Methoxy substituted Tetralone based Chalcone derivatives	RASAYAN J. Chem.	2022	2249-2257	<a href="http://doi.org/10.31788/RJC.2022.1547030">http://doi.org/10.31788/RJC.2022.1547030</a>	<a href="#">(SCOPUS INDEXED)</a>
20	<b>Dr. G. Usha</b>	PHYSICS	Synthesis, Structural and Spectroscopic Analysis, Thermodynamic and Micro Hardness Testing of a Chalcone Molecule	Adv.Mater. Lett.	2022		DOI: 10.5185/amlett.2022.021696	<a href="#">(SCOPUS INDEXED)</a>
21	<b>JJ, D J., Rodney J.D.</b>	PHYSICS	Effect of annealing temperature on the bifunctional electrocatalytic properties of strontium nickelate (SrNiO <sub>3</sub> ) nanoparticles for efficient overall water splitting	International Journal of Hydrogen energy	Jul-22	3603199	10.1016/j.ijhydene.2022.07.007	<a href="#">(SCOPUS INDEXED)</a>

222	<b>S. Sarojini,</b> R.Vanathi Vijayalaks hmi	Physic s	XPS Studies on silver ion conductin g solid electrolyte SbIs- Ag <sub>2</sub> MoO <sub>4</sub>	Materials Today: Proceeding s	2022	Elsevier Ltd. 2022	<a href="https://doi.org/10.1016/j.matpr.2022.05.489">https://doi.org/10.1016/j.matpr.2022.05.489</a>	(S CO PU S IN DE XE D)
223	<b>S. Sarojini,</b> L. PadmaPri ya	Physic s	Effect of size of the filler on the electrical conductivi ty on magnesium ion conductin g polymer electrolyte	Materials Today: Proceeding s	2022	Elsevier Ltd. 2022	<a href="https://doi.org/10.1016/j.matpr.2022.07.119">https://doi.org/10.1016/j.matpr.2022.07.119</a>	(S CO PU S IN DE XE D)
224	<b>B. Anita,</b> V. Sampath, R. Vanathi Vijayalaks hmi	Physic s	FTIR, XRD, EDAX and hardness test-An integrated approach to explore the elemental compositi on of archaeolo gical and contempo rary ceramic samples	Materials Today: Proceeding s	2022	Elsevier Ltd. 2022	<a href="https://doi.org/10.1016/j.matpr.2022.09.291">https://doi.org/10.1016/j.matpr.2022.09.291</a>	(S CO PU S IN DE XE D)



25	<b>Dr R Stella Maragatham, S Marimuthu, G Nagarajan</b>	Mathematics	Fuzzy Stochastic Markov Chain Transitions Probabiloi ty for climate model with Uncertainities	Advances and Applications in Mathematical Sciences	Oct-22	ISSN:1303-5150	DOI : 10.14704	UGC CARE LIST
26	<b>N. Jansirani, N Vijayaraghavan, V R Dare</b>	Mathematics	Two Dimensional Rough Online Tessellation Automaton and its Properties	Journal of Mathematical and Computational Science	Jun-21	ISSN: 1927-5307	<a href="https://doi.org/10.28919/jmcs/5739">https://doi.org/10.28919/jmcs/5739</a>	UGC CARE LIST
27	<b>N. Jansirani, R Rama, V R Dare</b>	Mathematics	An Introduction Of Iso-Cycle Packing Graph	Advances and Applications in Mathematical Sciences	Nov-21	ISSN 0974-6803	<a href="http://bitly.ws/Acnk">http://bitly.ws/Acnk</a>	UGC CARE LIST
28	<b>N. Jansirani, V Subharani, V R Dare</b>	Mathematics	Combinatorial Properties Of Circulant Infinite Array	Advances and Applications in Mathematical Sciences	Nov-21	ISSN 0974-6803	<a href="http://bitly.ws/ACnw">http://bitly.ws/ACnw</a>	UGC CARE LIST
29	<b>N. Jansirani, N Vijayaraghavan, V R Dare</b>	Mathematics	Watson Crick Intuitionistic Fuzzy Automata	Lecture Notes in Networks and Systems- Intelligent and Fuzzy Systems	Jul-22	2367-3389, 2367-3370	<a href="https://doi.org/10.1007/978-3-031-09173-5_70">https://doi.org/10.1007/978-3-031-09173-5_70</a>	<a href="#">(SCOPUS INDEXED)</a>

30	Rajeswari, S, <b>Sugapriya, C,</b> Nagarajan, D	Mathematics	An analysis of uncertain situation and advance payment system on a double-storage fuzzy inventory model	OPSEARCH	Mar-22	0975-0320	<a href="https://mjl.clarivate.com:/search-results?issn=0030-3887&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=0030-3887&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) + WOS</a>
31	Rajeswari, S, <b>Sugapriya, C,</b> Nagarajan, D, Broumi, S, Smarandache	Mathematics	Octagonal fuzzy neutrosophic number and its application to reusable container inventory model with container shrinkage	Computational and Applied Mathematics	Dec-21	1807-0302	<a href="https://mjl.clarivate.com:/search-results?issn=2238-3603&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=2238-3603&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) + WOS</a>
32	H Garg, S Rajeswari, <b>C Sugapriya,</b> D Nagarajan	Mathematics	Application of Triangular Fuzzy Number to a returnable container inventory model with restoring strategy	Arabian Journal for Science and Engineering	Apr-22	2191-4281	<a href="https://mjl.clarivate.com:/search-results?issn=2193-567X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=2193-567X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) + WOS</a>
33	V.Kuppulaskhmi <b>C. Sugapriya,</b> Nagarajan Deivanayagampillai	Mathematics	An inventory model for fish marketing under uncertain lockdown situation	Journal of Advances in Management Research	Aug-21	0972-7981	<a href="https://mjl.clarivate.com:/search-results?issn=0972-7981&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-">https://mjl.clarivate.com:/search-results?issn=0972-7981&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-</a>	<a href="#">(SCOPUS INDEXED) +</a>

			and normal backordering situation				link&utm_campaign=search-results-share-this-journal	<a href="#">WOS</a>
34	<b>C. Sugapriya</b> , V.Lakshmi, D. Nagarajan, S. Broumi	Mathematics	Two-warehouse system for trapezoidal bipolar neutrosophic disparate expeditious worsen items with power demand pattern	Neutrosophic Sets and Systems	Feb-22	2331-6055	<a href="https://www.scopus.com/sourceid/21100864379">https://www.scopus.com/sourceid/21100864379</a>	<a href="#">(SCOPUS INDEXED)</a>
35	<b>Sugapriya C</b> , Nithya M, Jeganathan K, Anbazhagan N, Joshi GP, Yang E, Seo S	Mathematics	Analysis of Stock-Dependent Arrival Process in a Retrieval Stochastic Inventory System with Server Vacation	Processes – MDPI Journals	Jan-22	ISSN: 2227-9717	<a href="https://mjcl.clarivate.com/search-results?issn=2227-9717&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjcl.clarivate.com/search-results?issn=2227-9717&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) + WOS</a>
36	R.Aruna, <b>R.Hemavathy</b>	Mathematics	A Fixed Point theorem for Non-self G-Contractive type mappings in Cone metric space Endowed with a graph	Non-linear Functional Analysis and its Applications	Dec - 21	ISSN: 1229-1595(print), 2466-0973(online)	<a href="https://doi.org/10.22771/nfaa.2021.26.05.18">https://doi.org/10.22771/nfaa.2021.26.05.18</a>	<a href="#">(SCOPUS INDEXED)</a>

37	R.Sumitra, <b>R.Aruna</b>	Mathe matics	A Fixed Point theorem for Non- self G- Contractiv e type mappings in Cone metric space Endowed with a graph	Non-linear Functional Analysis and its Application s	Dec - 21	ISSN: 1229- 1595(pri nt), 2466- 0973(onli ne)	<a href="https://doi.org/10.22771/nfaa.2021.26.05.18">https://doi.org/10.22771/nfaa.2021.26.05.18</a>	<a href="#">(S CO PU S IN DE XE D)</a>
38	<b>C. Sugapriya</b>	Geogr aphy	Treatment of Industrial Wastewat er using cocount shell based activated carbon	SCIENCE DIRECT	May- 21	10.1016.2 021.04.54 8	<a href="https://researchid.co/rid39933">https://researchid.co/rid39933</a>	<a href="#">(S CO PU S IN DE XE D)</a>
39	A.Saraswa thi and <b>A.Vetriselvi</b>	BOTA NY	Ecological factors affecting productivi ty of phytoplankton in temple tanks of Vellore district, Tamilnadu ,India ,	Internation al Journal of all research Education and scientific methods	Oct- 21	2455621 1	<a href="http://www.ijaresm.com">www.ijaresm.com</a>	U GC CA RE LI ST
40	<b>Dr. S Aruna</b>	Chemi stry	Highly Efficient Base- Catalyzed Synthesis of Piperidine -4-Imine Lead Molecules For SARS- Cov2 Mutant	Journal of Pharmaceut ical Negative Results   Volume 13   Special Issue 9   2022	2022		DOI: 10.47750/pnr.2022.13.S09.44	<a href="#">(S CO PU S IN DE XE D)</a>

			Spike Proteasevi a In Silico Method					
4 1	<b>Ms. M Premalath ha</b>	Chemistry	Highly Efficient Base- Catalyzed Synthesis of Piperidine -4-Imine Lead Molecules For SARS- Cov2 Mutant Spike Proteasevi a In Silico Method	Journal of Pharmaceut ical Negative Results   Volume 13   Special Issue 9   2022	2022		DOI: 10.47750/pnr.202 2.13.S09.44	<a href="#">(S CO PU S IN DE XE D)</a>
4 2	<b>Dr G SADHAN A</b>	ENGLISH	QUEST FOR IDENTITY IN IMMIGRA NT WRITING	JETIR	18.09 .2021	2349- 5162	www.jetir.org/pa pers/JETIR21092 57.pdf	U GC CA RE LI ST
4 3	Janani S., <b>Rajagopa I H.,</b> Sakthivel S., Aayisha S., Raja M., Irfan A., Javed S., Muthu S.	physics	Molecular structure, electronic properties , ESP map (polar aprotic and polar protic solvents), and topology investigati ons on 1- (tert-Buto xycarbony l)-3- piperidine carboxylic acid-	Journal of Molecular Structure	Nov- 22	222860	https://www.scop us.com/inward/re cord.uri?eid=2- s2.0- 85134637488&do i=10.1016%2fj.mo lstruc.2022.13369 6&partnerID=40& md5=ad145847dc 2cf32f2353d2d29 8bf4101	<a href="#">(S CO PU S IN DE XE D)</a>

			Anticancer therapeutic agent					
444	Paranthaman S., Vedamankam N., Ganesan M., <b>Sampathkumar S.</b>	physics	Structure, Stability, Electronic and Magnetic Properties of FemBin (m + n = 2-4) Clusters: A DFT Study	Russian Journal of Physical Chemistry A	Nov-22	00360244	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141389815&amp;doi=10.1134%2fS0036024422110279&amp;partnerID=40&amp;md5=1e56cde3dece6ec3591f304914701c38">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141389815&amp;doi=10.1134%2fS0036024422110279&amp;partnerID=40&amp;md5=1e56cde3dece6ec3591f304914701c38</a>	<a href="#">(SCOPUS INDEXED)</a>
455	Garg H., Rajeswari S., <b>Sugapriya C.</b> , Nagarajan D.	Mathematics	A Model for Container Inventory with a Trapezoidal Bipolar Neutrosophic Number	Arabian Journal for Science and Engineering	Nov-22	2193567X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128327899&amp;doi=10.1007%2fs13369-022-06788-4&amp;partnerID=40&amp;md5=01fa865bb19b911049307cb35bbd86a6">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128327899&amp;doi=10.1007%2fs13369-022-06788-4&amp;partnerID=40&amp;md5=01fa865bb19b911049307cb35bbd86a6</a>	<a href="#">(SCOPUS INDEXED)</a>
466	Ahamed J.I., Narendran K., Ambika V.R., Priya R., Kamalarajan P., Sundareswaran T., Gunasekaran B., <b>Jayalakshmi S.</b>	physics	Synthesis, spectral characterization, DFT-computational analyses on Novel 4-nitrobenzenamine benzenesulfonate (4NBASA) crystal	Journal of Molecular Structure	Oct-22	222860	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132749772&amp;doi=10.1016%2fj.molstruc.2022.133548&amp;partnerID=40&amp;md5=30f325af0a7d833609afcfb334b73aea">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132749772&amp;doi=10.1016%2fj.molstruc.2022.133548&amp;partnerID=40&amp;md5=30f325af0a7d833609afcfb334b73aea</a>	<a href="#">(SCOPUS INDEXED)</a>

47	<b>Jansirani N.,</b> Sherine A.J., Dare V.R.	Mathematics	The injectivity of Parikh mapping and Parikh matrix mapping over a binary alphabet	AIP Conference Proceedings	2022	0094243 X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139166845&amp;doi=10.1063%2f5.0104257&amp;partnerID=40&amp;md5=63127565f694228aa45ac051723b01a5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139166845&amp;doi=10.1063%2f5.0104257&amp;partnerID=40&amp;md5=63127565f694228aa45ac051723b01a5</a>	<a href="#">(SCOPUS INDEXED)</a>
48	<b>Jansirani N.,</b> Vijayaraghavan N., Dare V.R.	Mathematics	Extension of Watson crick fuzzy automaton based on topological features	AIP Conference Proceedings	Sep-22	0094243 X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139154715&amp;doi=10.1063%2f5.0103763&amp;partnerID=40&amp;md5=dbed3e171c2255d751d74d23f1298acc">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139154715&amp;doi=10.1063%2f5.0103763&amp;partnerID=40&amp;md5=dbed3e171c2255d751d74d23f1298acc</a>	<a href="#">(SCOPUS INDEXED)</a>
49	<b>Jansirani N.,</b> Vigneswaran L., Dare V.R.	Mathematics	Palindrome density and golden proportion of Kolakoski strings	AIP Conference Proceedings	Sep-22	0094243 3X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139146532&amp;doi=10.1063%2f5.0104333&amp;partnerID=40&amp;md5=8c4ad2d947536f1cb70c3b4be730a341">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139146532&amp;doi=10.1063%2f5.0104333&amp;partnerID=40&amp;md5=8c4ad2d947536f1cb70c3b4be730a341</a>	<a href="#">(SCOPUS INDEXED)</a>
50	<b>Jansirani N.,</b> Subharani V., Dare V.R.	Mathematics	Special inverses of k - Modulo infinite array	AIP Conference Proceedings	Sep-22	0094243 X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139145942&amp;doi=10.1063%2f5.0103933&amp;partnerID=40&amp;md5=d9d7abd51c823486e6237058bb74a4f7">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139145942&amp;doi=10.1063%2f5.0103933&amp;partnerID=40&amp;md5=d9d7abd51c823486e6237058bb74a4f7</a>	<a href="#">(SCOPUS INDEXED)</a>
51	<b>Jansirani N.,</b> Rama R., Dare V.R.	Mathematics	Automaton for Hamiltonian, tournament and their complements	AIP Conference Proceedings	Sep-22	0094243 X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139096462&amp;doi=10.1063%2f5.0103934&amp;partnerID=40&amp;md5=951a4">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139096462&amp;doi=10.1063%2f5.0103934&amp;partnerID=40&amp;md5=951a4</a>	<a href="#">(SCOPUS INDEXED)</a>

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5 2	Rita M., Deepa M., Gitanjali V., Tinu S., Subbulaks hmi B., Sujitha D., Palthya G., Saradha M., Vedhavalli T., Sowmiya B., Akalya R., Mathivad hani L., Uma M., Bhavani R., <b>Violet J.</b>	Geogr aphy	Lagophtha lmos: An etiological lookout to frame the decision for managem ent	Indian Journal of Ophthalmol ogy	Aug- 22	3014738	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135596376&amp;doi=10.4103%2fijo.IJO_3017_21&amp;partnerID=40&amp;md5=4e38d73ccb1c135e0138dda6a4fdce0">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135596376&amp;doi=10.4103%2fijo.IJO_3017_21&amp;partnerID=40&amp;md5=4e38d73ccb1c135e0138dda6a4fdce0</a>	<a href="#">(S CO PU S IN DE XE D)</a>
5 3	Aarthi K.V., <b>Rajagopa I H.,</b> Muthu S., Narayana B., Basha Asif F., Irfan A., Javed S.	Physic s	Experime ntal spectra, electronic energies (liquid and gaseous phases) quantum computati onal strategies and potential biological activity studies of (1E, 4E)-1, 5-bis (4- methoxyp henyl) penta-1,4- dien-3- one: An	Journal of Molecular Liquids	Jun- 22	1677322	<a href="https://mjl.clarivate.com:/search-results?issn=0167-7322&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=0167-7322&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(S CO PU S IN DE XE D)</a>



			antiviral agent					
54	Kesavan S., <b>Meena K.S.</b> , Dhakshina moorthy R.	chemistry	Bioactive polysaccharides based graphene oxide nanoparticle as a promising carrier for anticancer drug delivery	Biointerface Research in Applied Chemistry	Jun-22	20695837	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112358194&amp;doi=10.33263%2fBR-IAC123.34293445&amp;partnerID=40&amp;md5=747378cfc84e717b89bebca03e34cbe5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112358194&amp;doi=10.33263%2fBR-IAC123.34293445&amp;partnerID=40&amp;md5=747378cfc84e717b89bebca03e34cbe5</a>	<a href="#">(SCOPUS INDEXED) ± WOS</a>
55	Jeganathan K., Vidhya S., <b>Hemavathy R.</b> , Anbazhagan N., Joshi G.P., Kang C., Seo C.	Mathematics	Analysis of M/M/1/N Stochastic Queueing — Inventory System with Discretionary Priority Service and Retrial Facility	Sustainability (Switzerland)	May-22	20711050	<a href="https://mjl.clarivate.com:/search-results?issn=2071-1050&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=2071-1050&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED)</a>
56	Priscilla L., Rajeev M., Pandian S.K., <b>Malathi E.</b>	zoology	Gut associated culturable bacterial community in intertidal polychaete worms (Annelida: Polychaeta), their characterization and implications in captive shrimp	Regional Studies in Marine Science	2022	23524855	<a href="https://mjl.clarivate.com:/search-results?issn=2352-4855&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=2352-4855&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) ± WOS</a>

			aquaculture					
57	Janani S., <b>Rajagopal H.</b> , Muthu S., Javed S., Irfan A.	physics	Structural, electronic properties (different solvents), chemical reactivity, ELF, LOL, spectroscopic insights, molecular docking and in vitro anticancer activity studies on methyl (4-nitro-1-imidazolyl)acetate	Journal of the Indian Chemical Society	May-22	194522	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127088592&amp;doi=10.1016%2fj.jics.2022.100438&amp;partnerID=40&amp;md5=5193d069b23cace2f4286e4952c43f6b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127088592&amp;doi=10.1016%2fj.jics.2022.100438&amp;partnerID=40&amp;md5=5193d069b23cace2f4286e4952c43f6b</a>	<a href="#">(SCOPUS INDEXED) ± WOS</a>
58	Kannan K.S., <b>Kandavel D.</b> , Rajalakshmi P.	zoology	In vitro Assessment of Antioxidant and Anticancer Potential of Flavonoid Glycosides of <i>Glinus oppositifolius</i> (L.) Aug. DC	Asian Journal of Chemistry	2022	9707077	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126147492&amp;doi=10.14233%2fajchem.2022.23664&amp;partnerID=40&amp;md5=c392726bf635ad9b94459de2906d26af">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126147492&amp;doi=10.14233%2fajchem.2022.23664&amp;partnerID=40&amp;md5=c392726bf635ad9b94459de2906d26af</a>	<a href="#">(SCOPUS INDEXED)</a>

59	Rajeswari S., <b>Sugapriya C.</b> , Nagarajan D., Kavikumar J.	Mathematics	Optimization in Fuzzy Economic Order Quantity Model Involving Pentagonal Fuzzy Parameter	International Journal of Fuzzy Systems	2022	15622479	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124444505&amp;doi=10.1007%2fs40815-021-01111-z&amp;partnerID=40&amp;md5=525d70ead6fffb4f0abca93386bba8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124444505&amp;doi=10.1007%2fs40815-021-01111-z&amp;partnerID=40&amp;md5=525d70ead6fffb4f0abca93386bba8</a>	<a href="#">(SCOPUS INDEXED)</a>
60	Suresh Kannan K., <b>Kandavel D.</b> , Balamurugan S., Rajalakshmi P., Selvakumar K.	zoology	Novel electrospun nanofibers incorporated with flavonoid glycosides from <i>Glinus oppositifolius</i> (L.) Aug. DC. for antibacterial dressings	Journal of Integrated Science and Technology	2022	23214635	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140287828&amp;partnerID=40&amp;md5=570de7f094fc756d1fda177a87e6a7e3">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140287828&amp;partnerID=40&amp;md5=570de7f094fc756d1fda177a87e6a7e3</a>	<a href="#">(SCOPUS INDEXED)</a>
61	Krishna Priya M., Reuben Jonathan D., Muthu S., Sivasankaran B.R., <b>Usha G.</b>	physics	Synthesis and Chemical Exploration of an Organic Exocyclic Chalcone Derivative for Its Therapeutic Proficiency against Breast Cancer	Polycyclic Aromatic Compounds	2022	10406638	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137813970&amp;doi=10.1080%2f10406638.2022.2118331&amp;partnerID=40&amp;md5=334e0330e11c4dd02696e495ecd4388e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137813970&amp;doi=10.1080%2f10406638.2022.2118331&amp;partnerID=40&amp;md5=334e0330e11c4dd02696e495ecd4388e</a>	<a href="#">(SCOPUS INDEXED)</a>

6 2	Eunice E., Prasana J.C., Muthu S., <b>Anuradh a A.</b>	physic s	Molecular Structure, Spectrosc opic, Quantum Computati onal, and Molecular Docking Investigati ons on Propyl Gallate	Polycyclic Aromatic Compounds	2022	1040663 8	<a href="https://mjl.clarivate.com:/search-results?issn=1040-6638&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=1040-6638&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(S CO PU S IN DE XE D)</a>
6 3	<b>Sugapriy a C.,</b> Rajeswari S., Nagarajan D., Zararsız Z., Al Amri Z.S.M.	Mathe matics	An effective container inventory model under bipolar neutrosoph ic environm ent	Neutrosoph ic Sets and Systems	2022	2331605 5	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135269316&amp;partnerID=40&amp;md5=74d8d5b407abb816177f72657ae3dbf1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135269316&amp;partnerID=40&amp;md5=74d8d5b407abb816177f72657ae3dbf1</a>	<a href="#">(S CO PU S IN DE XE D) + W OS</a>
6 4	Nithya M., <b>Sugapriy a C.,</b> Selvakum ar S., Jeganatha n K., Harikrish nan T.	Mathe matics	A MARKOVI AN TWO COMMODI TY QUEUEIN G- INVENTO RY SYSTEM WITH COMPLIM ENT ITEM AND CLASSICA L RETRIAL FACILITY	Ural Mathematic al Journal	2022	2414395 2	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135170101&amp;doi=10.15826%2fmj.2022.1.009&amp;partnerID=40&amp;md5=672a66307d883972f47d96fa40dec421">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135170101&amp;doi=10.15826%2fmj.2022.1.009&amp;partnerID=40&amp;md5=672a66307d883972f47d96fa40dec421</a>	<a href="#">(S CO PU S IN DE XE D)</a>
6 5	<b>Junior E.J.M.R.,</b> Stephen J.R.V., Muthuvel M., Roy A., Rodrigues P.A.,	Geogr aphy	Chemistry, Biological Activities, and Uses of Carnauba Wax	Reference Series in Phytochemi stry	2022	2511834 X	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135143840&amp;doi=10.1007%2f978-3-030-91378-6_37&amp;partnerID=">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135143840&amp;doi=10.1007%2f978-3-030-91378-6_37&amp;partnerID=</a>	<a href="#">(S CO PU S IN DE XE D)</a>

	Mendonça Filho M.J.A., Araújo Teixeira R., Barbosa A.P., Benjamin S.R.						40&md5=c60751e44f5f98e728ba1b3982b5d678	
66	Vijayalakshmi R., <b>Vetriselvi A.</b> , Miranda Ribeiro Junior E.J., de Araújo Rodrigues P.	botany	Chemistry, Biological Activities, and Uses of Jatropha Latex	Reference Series in Phytochemistry	2022	2511834 X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135142987&doi=10.1007%2f978-3-030-91378-6_35&partnerID=40&md5=f7970e2cc40a2556dfaa83fb61c240ec	<a href="#">(SCOPUS INDEXED)</a>
67	Garg H., <b>Chandrasekar Sugapriya</b> , Srinivasan R., Deivanayagam Pillai N.	Mathematics	Optimization of the vendor's inventory model with multisupplier and multiretailer using fuzzy parameters	International Journal of Intelligent Systems	2022	8848173	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131190042&doi=10.1002%2fint.22936&partnerID=40&md5=80e239f0e543066ca749940242f2a80e	<a href="#">(SCOPUS INDEXED)</a>
68	Lakshmi V., <b>Sugapriya C.</b> , Nagarajan D., Broumi S.	Mathematics	Trapezoidal Neutrosophic Deal with Logarithmic Demand with Shortage of Deteriorating Items	Neutrosophic Sets and Systems	2022	2331605 5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128869083&partnerID=40&md5=32ba90da2b0a631de19aa2e813ec05be	<a href="#">(SCOPUS INDEXED)</a>

69	Ganesan M., Sampathkumar S., Daniel J., <b>Vedamanickam N.</b> , Paranthaman S.	physics	A DFT Study on the Potential Application of Graphene-Like Pure and Doped Boron Phosphide Monolayer in Li- and Na-Ion Batteries	Russian Journal of Physical Chemistry A	Jan-22	360244	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125309109&amp;doi=10.1134%2fS0036024422010113&amp;partnerID=40&amp;md5=52673b85ae5a4fb55f0473961abdbf4c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125309109&amp;doi=10.1134%2fS0036024422010113&amp;partnerID=40&amp;md5=52673b85ae5a4fb55f0473961abdbf4c</a>	<a href="#">(SCOPUS INDEXED)</a>
70	Aarhi, KV (Aarhi, K., V); <b>Rajagopal, H (Rajagopal, Hemamalni)</b> ; Muthu, S (Muthu, S.); Narayana, B (Narayana, B.); Asif, FB (Asif, Fazilath Basha)	physics	STRUCTURAL AND PHARMACEUTICAL EVALUATION OF 4-HYDROXY-BENZAMIDE DERIVATIVE: ANTIBACTERIAL AND ANTIVIRAL POTENT	Journal of Faculty of Pharmacy of Ankara University	2021	2564-6524	<a href="https://dergipark.org.tr/en/search?aggs%5Bjournal.id%5D%5B0%5D=2301&amp;q=STRUCTURAL%20AND%20PHARMACEUTICAL%20EVALUATION%20OF%204-HYDROXY-BENZAMIDE%20DERIVATIVE%3A%20ANTI-BACTERIAL%20AND%20ANTI-VIRAL%20POTENT&amp;scope=journal&amp;section=articles">https://dergipark.org.tr/en/search?aggs%5Bjournal.id%5D%5B0%5D=2301&amp;q=STRUCTURAL%20AND%20PHARMACEUTICAL%20EVALUATION%20OF%204-HYDROXY-BENZAMIDE%20DERIVATIVE%3A%20ANTI-BACTERIAL%20AND%20ANTI-VIRAL%20POTENT&amp;scope=journal&amp;section=articles</a>	<a href="#">(SCOPUS INDEXED)</a>
71	Janani, S (Janani, S.); <b>Rajagopal, H (Rajagopal, Hemamalni)</b> ; Sakthivel, S (Sakthivel, S.); Aayisha, S (Aayisha, S.); Raja,	physics	Molecular structure, electronic properties, ESP map (polar aprotic and polar protic solvents), and topology investigations on 1-(tert-Butoxycar	JOURNAL OF MOLECULAR STRUCTURE	Nov-22	222860	<a href="https://mjl.clarivate.com:/search-results?issn=0022-2860&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=0022-2860&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED)</a>

	M (Raja, M.) ; Irfan, A (Irfan, Ahmad) ; Javed, S (Javed, Saleem) ; Muthu, S (Muthu, S.)		bonyl)-3-piperidine carboxylic acid- Anticancer therapeutic agent					
72	Janani, S (Janani, S.) ; <b>Rajagopal, H (Rajagopal, Hemamalni) ;</b> Muthu, S (Muthu, S.) ; Aayisha, S (Aayisha, S.) ; Raja, M (Raja, M.) ; Irfan, A (Irfan, Ahmad)	physics	Structural, vibrational, electronic properties, hirshfeld surface analysis topological and molecular docking studies of N-[2-(diethylamino)ethyl]-2-methoxy-5-methylsulfonylbenzamide	HELIYON	October-21	e08186	<a href="https://mjl.clarivate.com:/search-results?issn=2405-8440&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=2405-8440&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	<a href="#">(SCOPUS INDEXED) ± WOS</a>
73	<b>A. Anuradha,</b> Rinnu Sara Saji, Mariam G. Varghese, S. Muthu, Johanan Christian Prasana	Physics	Vibrational spectroscopic, DFT studies and molecular docking on (2R)-2-acetamido-N-benzyl-3-methoxypropanamide as an antineuro pathic pain drug	MATERIALS TODAY-PROCEEDINGS	Feb-22		<a href="https://doi.org/10.1016/j.matpr.2020.07.465">https://doi.org/10.1016/j.matpr.2020.07.465</a>	<a href="#">(SCOPUS INDEXED) ± WOS</a>

74	Garg H., <b>Chandrasekar Sugapriya</b> , Srinivasan R., Deivanayagam Pillai N.	Mathematics	Optimization of the vendor's inventory model with multisupplier and multiretailer using fuzzy parameters	International Journal of Intelligent Systems	2022		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131190042&doi=10.1002%2fint.22936&partnerID=40&md5=80e239f0e543066ca749940242f2a80e	<a href="#">[SCOPUS INDEXED] + WOS</a>
75	Garg H., Chandrasekar S., Srinivasan R., Deivanayagam Pillai N.	Mathematics	Optimization of the vendor's inventory model with multisupplier and multiretailer using fuzzy parameters	International Journal of Intelligent Systems	2022	8848173	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131190042&doi=10.1002%2fint.22936&partnerID=40&md5=80e239f0e543066ca749940242f2a80e	<a href="#">[SCOPUS INDEXED]</a>

## Research Scholars enrolled in 2021-22

<b>3.4.2 Details of PhD students registered per teacher (as per the data given w.r.t recognized PhD guides/ supervisors provided at 3.2.3 metric) during the year</b>								
S · N o	Name of full-time teachers with PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt during the year	Qualification (PhD / D.M. / M.Ch. / D.N.B Super Specialty /DSc / DLitt) and Year of	Whether recognised as a research guide	Year of recognition as a Research Guide	Is the teacher still serving the institution?/If not, when	Name of the scholar	Month and Year of registration of the scholar	PhD Scholar's Title of the Thesis



		obtaining	for Ph.D?		Did he/she leave the institution?			
1	Dr. L.Kokiladevi	M.A Ph.D 2001	Yes	2015	Yes	K.Rajalakshmi	2022 April	A study on the impact of working from home during covid 19 pandemic period employees
						S. Santhiya	2022 April	A Study on the socio economic status of street vendors in chennai city
2	Dr. C. Durgadevi	M.A., M.PHIL Ph.D 2014	Yes	2016	Yes	J. Hemalatha	2022 Jan	Development Economics
3	Dr. Eswari Ramesh	M.A M.Phil Ph.D	Yes	2016	Yes	J.Sharmila	2021	Women studies-Domestic Workers
						C.S.Anna line	2021	Women Studies-Women Migration
4	Dr.Bavani Govindarajulu	Ph.D	Yes	D2/Ph.D Guide Recogn ./2016/1591	YES	JANANI	27-Sep- 2021	Impact of microplastics in Korattur Lake
						PRIYANKA R	24-Sep- 2021	Impact of microplastics in Kosasthalaiyar River
5	Dr.G.B.Brindha Devi	Ph.D	Yes	No:D2/Ph.D. Guide Recog./2013 /792	YES	Suvedha A	15 NOVEM BEFR 2021	VERMICULTURE
6	Dr. Hemamalin	Ph.D	Yes	March, 2012	YES	V RAMYA	19-Mar- 2021	Growth and characterization of single

	Rajagopalan							crystals for NLO applications
7	Dr. G. Usha	Ph.D	Yes	March, 2012	YES	ANISH FATHIMA A	27-Apr-2022	Synthesis and structure elucidation, optical, mechanical, thermal and NLO properties investigation, molecular surfaces and energy framework analysis and invitro and insilico biological activity studies of some curcumin derivatives
						YUVASHRI R	27-Apr-2022	Synthesis, chemical, physical, Biological characterization and theoretical calculation of some biologically active organic compounds.
8	Dr. D. Jayalakshmi	Ph.D	Yes	March, 2012	YES	MAGAR	10-Dec-2021	Crystal growth and characterisation of organic and semi organic material for non linear optical Applications
9	Dr. Rajakumari	Ph.D	Yes	October, 2018	YES	BONISHA B	6-May-2022	Synthesis And Characterisation of Nanomaterials for energy and sensing applications

10	Dr. R. ANURADHA	Ph.D	Yes	2010	Yes	N.Arul prakash	11/17/2021	Puthinangal
11	Dr.P. JEYA	Ph.D	Yes	2006	Yes	K. Thenmozhi	3/30/2022	Oppiyal nookil ki.Nagarajan padaipukal
12	Dr. R.Stella Maragatham	Ph.D	Yes	2012	YES	S. Marimuthu	Apr-22	Stochastic Process
13	Dr. Emerald Princess Sheela J.D.	Ph.D	Yes	2014	YES	Sharon Roshini S	May-22	Combinatorics on Words
14	DR.SHANTI MAHESH	Ph.D	Yes	2012	YES	DEEPIKA THEAGARAJAN	2-Jul-2021	Exploratory Study on Music Listening Practices and it's impact on the well being amongst different age groups
						DEVU TRESSA MATHEW	Jul-21	THE CONTRIBUTION OF THE MUSIC DIRECTOR SHRI. MADHAVAN RAVEENDRAN-A STUDY
						ANANTH LAKSHMI I. M.K.	May-22	RESEARCH ON BHARATHEEYA SANGEETHAM OF PARUR BANI (VIOLIN) IN CARNATIC AND HINDUSTANI ASPECTS
15	DR.G.GEETHA	PH.D	YES	2010	YES	THAIYABAK	1-Apr-2022	A COMPARATIVE SPATIAL ANALYSIS ON MENTAL HEALTH AMONG RESEARCH SCHOLARS OF UNIVERSITY OF MADRAS, CHENNAI

16	DR.S.MUTHUNAGAI	PH.D	Yes	2016	YES	BENI AFIYA B	7-Oct-2022	DEVELOPMENT OF IT SECTORS IN GREATER CHENNAI METROPOLITAN CITY
						R NANDHINI	26-Mar-2021	INTEGRATED STUDY ON SPATIO TEMPORAL CHANGES OF KOSASTHALAIYAR RIVER
17	S. KALAVATHI	PH.D	Yes	2012	YES	PRIYADHARSHINI S K	14-Mar-2022	A Sociological study on Effects of Peer group socialization towards Gender and Emancipation/ Feminism in Chennai
18	Dr.S.KARPAGAM	Ph.D. 2001	yes	2006	YES	SWATHI S	27.10.2022	PHARMACOGNOSTIC
19	Dr.T.V.POONGHUZHALI	Ph.D. 1997	yes	2009	YES	SADAFUNNISA S.	25.11.2022	POTENTIALS OF SEA WEED
20	Dr.R. VIJAYALAKSHMI	Ph.D.-2015	yes	2021	YES	N.C. Sridevi	18-10-2022	Pharmacognosy
						P. Jabeena Begaum	18-10-2022	Pharmacognosy
						B.S.SAN GEETHA	Jan-22	PHARMACONOSY
						D.THILAGAVATHY	Aug-21	PHARMACONOSY
21	Dr. R. GIRIJA	Ph D	yes	PhD guide Recogn 2011/2023	yes	SEVENTHIGANI G	18-May-2022	Synthesis and study of pyrimidine substituted Chalcones
22	Dr. S. ARUNA	Ph D	yes	2011/2374/ University of Madras	yes	PREMALATHA M	12-Jan-2022	Synthesis of novel heterocyclic compounds
23	Dr. Maria Preethi Srinivasan	M.A.M.P hil.Ph.D.	Yes	Tuesday, November 8, 2016	YES	K.GEETHA	19-Apr-21	Mythology and Literature
						S. Narmatha	12-Jan-22	GENDER STUDIES

24	DR. S. KAMALAD EVI	PhD	Yes	2017	YES	LINGESAN P	15-Sep-2021	பழுவேற்காடு மீனவர்களின் சமுதாயப் பொருளாதார மற்றும் கலாச்சார வரலாறு - ஓர் ஆய்வு
						D. JOSEPH ROHITH	Feb/22	THE MALAYALI TRIBES OF KOLLI HILLS AND JAWADHU HILLS - A COMPARATIVE STUDY.
25	DR. M. THENMOZHI	PhD	Yes	2017	YES	KAYALVIZHI A	20-Sep-2021	இன்றைய ஆரோக்கியமான வாழ்க்கைக்கு பாரம்பரிய மருந்துகளின் தேவையை மறுபரிசீலனை செய்தல் தமிழ்நாட்டின் சென்னை மாவட்டத்தில் சித்த மருத்துவம் மற்றும் இயற்கை மருத்துவம் பற்றிய ஓர் ஆய்வு
						PARVATHI N	2-Jul-2021	SOCIAL EMPOWERMENT AND IMPACT ON WELL BEING AND QUALITY OF LIFE

							OF HANDICRAFTS ARTISANS IN CHENNAI
					ISHWARY A J	5-Oct- 2021	THE AUGMENTATIO N OF HERITAGE ACCOMMODAT ION IN TAMIL NADU IMPACTING THE SUSTAINABLE TOURISM INDUSTRY."
					J.RUKSA NA	Mar-21	HISTORY OF PRISONS WITH SPECIAL REFERENCE TO ADMINISTRATI ON OF CENTRAL PRISON VELLORE IN TAMIL NADU.

### Research Guides recognized in 2021-22

S.No	Department	Faculty NAME	Link
1	Physics	Dr. S. Mahalakshmi	<a href="https://queenmarycollege.edu.in/research-details/11">https://queenmarycollege.edu.in/research-details/11</a>
2	Physics	Dr. M. Loganayaki	<a href="https://queenmarycollege.edu.in/research-details/11">https://queenmarycollege.edu.in/research-details/11</a>
3	Physics	Dr. V. Nirmala	<a href="https://queenmarycollege.edu.in/research-details/11">https://queenmarycollege.edu.in/research-details/11</a>
4	Mathematics	Dr. Sumithra	<a href="https://queenmarycollege.edu.in/research-details/19">https://queenmarycollege.edu.in/research- details/19</a>