

RESUME



Name: Dr.S.Mary Jelastin Kala
Designation:Assistant Professor in chemistry
Department: Chemistry
Address : St. Xavier's College, Palayamkottai-627002

PERSONAL DETAILS

Date of Birth : 30.06.1970
Qualification : M.Sc, M.Phil, Ph.D
Designation : Assistant Professor in chemistry
Department : Chemistry
Community : BC
Religion : Christian
Nationality : Indian
Mobile : 9486909684
Email ID : kalaclament97@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
SSLC	Tamil,English, Maths,Science,Social Science	Board of Secondary Education, Tamilnadu		1985
HSC	Tamil, English, Maths,Physics,Chemistry, Biology			1987
Under Graduate	Chemistry	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	1990
Post	Chemistry	Manonmaniam	Manonmaniam	1993

Graduate		Sundaranar University	Sundaranar University	
M.Phil.	Chemistry	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	1995
Ph.D.	Chemistry	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2011

ACADEMIC IDENTITY

*VIDWAN ID	
*ORCID ID	0000000267456972
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=QNLfwyEAAA&hl=en

TEACHING EXPERIENCE

Date of Appointment	23/10/2007
Date of Retirement	30/06/2030
Teaching Experience	U.G. level: 14 Years 6 months
	P.G. level: 13 Years
	M.Phil.
Research	10 Years 4 months (Excluding years spent in pursuing MPhil / PhD) PhD Guided : 10 PhD completed : 06 Thesis Submitted : 02 PhD Ongoing : 02

COURSES/CLASS ES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	

AWARDS RECEIVED

1.	
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2.	
3.	
4.	
5.	

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Dean, women students, Anti-Ragging Committee	St.Xavier's College (Autonomous), Palayamkottai	2010-2013
2.	Director, women's study centre	St.Xavier's College (Autonomous), Palayamkottai	2016-2019
	Presiding officer, sexual harassment cell(ICC)	St.Xavier's College (Autonomous), Palayamkottai	Since 2017
	Vice Principal	St.Xavier's College (Autonomous), Palayamkottai	2018-2020

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		
4.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme	Madurai Kamarajar University	Madurai, 01-02-2012 to 28-02-12
2	Refresher Course	ASC,Kerala University Kariyavattom ASC Kerala University, Kariyavattom	30/01/2013 to 20/02/2013
3	Refresher Course	ASC,Kerala University Kariyavattom ASC Kerala University, Kariyavattom	09/08/2017 to 29/08/2017
4			
5			

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
M.Phil	A Study on the Ligand Replacement Reactions of Nickel ₁₁ Complexes	Manonmaniam Sundaranar University
Ph.D.	Photochemical Profile and Pharmacological studies on Eugenia Singam Pattiyana and Eugenia Flaccosa.	Manonmaniam Sundaranar University

AREAS OF RESEARCH
Organic Chemistry
Phytochemistry
Nanochemistry

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1.	Development and characterization of "Chitosan based polyester polymer electrolytes doped with Fe ₃ O ₄ nanoparticles" for industrial applications - under UGC		2 Years

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

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PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year
1.	Women in Science and Technology	ISBN: 978-93-84734-48-0	2017

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Antibacterial Studies of Synthesized Doped Zinc Oxide Nanoparticles by Using Triumfetta rotundifolia Plant Extract	International Journal of Recent Research Aspects	Year, Vol. Page. No - April 2018, pp. 530-534 Impact Factor - 1.235
2.	Green synthesis, characterisation and biological activity of Platinum Nanoparticle using Croton Caudatus Geisel leaf extract	International Journal of Recent Research Aspects	Year, Vol. Page. No - April 2018, pp. 608-612 Impact Factor - 1.235
3.	Synthesis of Gold Nano Particles Using Palmyra Sprout Root: An Eco Friendly and Green Approach	International Journal of Recent Research Aspects	Year, Vol. Page. No - April 2018, pp. 287-289 Impact Factor - 1.235
4.	Plant Extract Mediated Synthesis and Characterization of Copper nanoparticles and their Pharmacological Activities,	IJRSET,	Year, Vol. Page. No - 6(7), 13455-13465, 2017 Impact Factor - 6.209
5.	Antiinflammatory Activity of Whole Plant of Catharanthuspusillus	International Journal of Toxicological and Pharmacological Research	Year, Vol. Page. No - 2016; 8(3); 194-196
6.	Evaluation of total phenolics, flavonoid contents and in-vitro antioxidant properties of catharanthuspusillus	International Journal of Pharmaceutical Sciences and Research	Year, Vol. Page. No - 7(7): 3021-3027, 2016 Impact Factor - 2.60

	(apocynaceae)		
7.	Isolation, Purification and Characterization of (R)Petranine from Catharanthuspusillus(Murr.) G.Don(Apocynaceae)	International Journal of Science and Research (IJSR)	Year, Vol. Page. No - (2015) Volume 5 Issue 7, July 2016 Impact Factor - 6.391
8.	Green synthesis and characterization of silver nanoparticles using TriumfettaRotundifolia plant extract and its antibacterial activities	Journal of Natural Product and Plant Resources	Year, Vol. Page. No - 4(8): 131-137, 2016 Impact Factor - 4.172
9.	Spectroscopic, microbial and DNA binding affinities of some copper metalcomplexes using 1,10-phenanthroline as a co-ligand	World Journal of Pharmaceutical Sciences	Year, Vol. Page. No - 4(8): 131-137, 2016 Impact Factor - 0.453
10.	Spectroscopic, microbial and DNA binding affinities of some copper metalcomplexes using 1,10-phenanthroline as a co-ligand	Scholars Research Library, Der Pharmacia Lettre,	Year, Vol. Page. No - 2016, 8 (1):310-319
11.	Ecofriendly synthesis Of Silver Nanoparticles Using ethno medicinal plant leaf extract (JasminumAuriculatum) and their Antibacterialproperties	International Letters of Chemistry, Physics and Astronomy	Year, Vol. Page. No - 58 (2015) 113-121
12.	Biosynthesis of Silver Nanoparticles Using TriumfettaRhomboidea Leaf Extract and the anti-bacterial efficacy	International Journal of Advanced Chemical Science and Applications	Year, Vol. Page. No - 3(1):17-20,2015 Impact Factor - 0.45
13.	Green Synthesis of Silver Nanoparticles Using CressaCretica Leaf Extract and its Antibacterial Efficacy	International Journal of Advanced Chemical Science and Applications	Year, Vol. Page. No - 3(1):65-71,2015 Impact Factor - 0.45
14.	GC-MS analysis of ethanol extract of stem of Nothapodytesnimmoniana (Graham) Mabb	World Journal of Pharmaceutical Sciences	Year, Vol. Page. No - 2015; 3(6): 1145-1150 Impact Factor - 0.453
15.	Study on Heavy Metal Distribution in the Coastal Environments along the Foremost Places of South-East Coast of India	http://www.ijirset.com/volume-4-issue-3.html .	Year, Vol. Page. No - SJIF 2014: 5.442.ISSN (Online): 2319-8753. Impact Factor - 6.209
16.	Study on Hydrographic properties in the coastal waters along South East Coast of India.	http://www.ajer.org/v4(6).html .	Year, Vol. Page. No - ISSN (online): 2320-0847.
17.	Monthly Variations of Water Quality along South East Coast of India.	https://www.woarjournals.org/IJGAES/vol_issue.php?abc1=12 .	Year, Vol. Page. No - ISSN (online): 2348-0254. Impact Factor - 1.93
18.	GC-MS analysis of ethanolic extract of Nothapodytesnimmoniana	Malaya Journal of Biosciences	Year, Vol. Page. No - 2014, 2(1):42-49 Impact Factor - 4.536

	(Graham) Mabb. leaves		
19.	Antifertility investigations on the ethanol extract of eugeniasingampattianabedd leaf in male albino rats	International Journal of Pharmaceutical Sciences and Research	Year, Vol. Page. No - 2014; Vol. 5(7): 2991-2998. Impact Factor - 2.60
20.	Hepatoprotective Effect of Eugenia singampattianaBedd Leaf Extract on Carbon Tetrachloride Induced Jaundice	International Journal of Pharmaceutical Sciences Review and Research	Year, Vol. Page. No - 21(1), Jul – Aug 2013; 08, 41-45 Impact Factor - 0.65
21.	Evaluation of anti-inflammatory activity of Eugenia singampattianaBedd leaf	International journal of advanced research	Year, Vol. Page. No -(2013), Volume 1, Issue 6, 248-251 Impact Factor - 5.336
22.	Spatial Heavy Metal Distribution Status in the Coastal Sediments along South East Coast of India.	http://www.theijst.com/2014-2/december-14 .	Year, Vol. Page. No - (IIFS) ISSN (online) 2321-919X. Impact Factor -1002
23.	Seasonal Distribution of Heavy Metals in the Coastal Waters and Sediments along the Major Zones of South East Coast of India	http://www.isca.in/IJENS/v4i2.php .	Year, Vol. Page. No - SJIF 2012:ISSN (online): 2319 – 1414. Impact Factor -3.116
24.	Gc-ms determination of bioactive components of eugeniafloccosabedd. (myrtaceae)	International Journal of Pharma and Bio Sciences	Year, Vol. Page. No - Vol 3/Issue 1/Jan – Mar 2012 Impact Factor - 0.36
25.	Antioxidant, Antihyperlipidaemic and Antidiabetic Activity of Eugenia FloccosaBedd Leaves in Alloxan Induced Diabetic Rats	Journal of Basic and Clinical Pharmacy	Year, Vol. Page. No - Vol-003 Issue-001 February 2012
26.	Antioxidant, antihyperlipidaemic and antidiabetic activity of eugeniasingampattianabedd leaves in alloxan induced diabetic rats	International Journal of Pharmacy and Pharmaceutical Sciences	Year, Vol. Page. No - Vol 4, Suppl 3, 2012 Impact Factor - 1.78
27.	HPTLC finger print analysis of phytocompounds and in vitro antioxidant activity of Eugenia singampattianaBedd.	Journal of Applied Pharmaceutical Science	Year, Vol. Page. No - Vol. 2 (12), pp. 112-124, December, 2012 Impact Factor - 3.537
28.	HPTLC finger print analysis of phytocompounds and in vitro antioxidant activity of eugeniafloccosabedd.	Bioscience Discovery	Year, Vol. Page. No - 3(3): 296-311, Nov. 2012 Impact Factor - 0.675

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Green synthesis and characterization of silvernanoparticles using Triumfetta Rotundifolia plant extract and its antibacterial activities	Journal of Natural Product and Plant Resources,	6 (3):21-27, 2016
2.	Isolation, Purification and Characterization of (R)Petranine from Catharanthuspusillus(Murr.) G.Don(Apocynaceae)	International Journal of Science and Research (IJSR)	(2015) Volume5 Issue7, July 2016
3.	Evaluation of total phenolics, flavonoid, contents and in-vitro antioxidant properties of Catharanthus pusillus(Apocynaceae)	International Journal of Pharmaceutical Sciences and Research	(IJPSR),2016,7(7), 3021-3027.
4.	Spectroscopic, microbial and DNA binding affinities of some copper metal complexes using 1,10-phenanthroline as a co-ligand, Der Pharmacia Lettre		2016,8(1):310-319

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Organo metallic chemistry	Sarah Tucker College, Palayamkottai	
2.	Organic reaction mechanism	Parasakthi College, Courtallam	

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WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP			
PAPER PRESENTED: National () International ()			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Recent Trends in Materials Chemistry	Department of Chemistry, St. Xavier's College	Palayamkottai, 23&24 February 2017
2.	Women in Science and Technology	Department of Chemistry, St. Xavier's College	Palayamkottai, 23&24 February 2017

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP			
ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Digital skills for Smart Teaching	Raja Doraisingam Government Arts & Science	Sivaganga 22-23 June 2020
2.	"21 st Century Teaching skills	Annai Hajira women's college	Tirunelveli 8-20 July 2020
3.	Upscaling Pedagogy with Moodle	Don Bosco college	Yelagiri hills 13-15 July 2020
4.	"Implementation of Information and Communication Technology in Teaching	The Kerala state Higher Education council	Thiruvananthapuram 18-24 July 2020
5.	Serverless Computing – Introduction	Nehru Institute of Information Technology and Management	Coimbatore 30.07.2020
6.	Technologies Behind Modern Web Application	Nehru Institute of Information Technology and Management	Coimbatore 01.08.2020
7.	Material Science and Nano Technology	.S.Abdur Rahman Crescent Institute of Science and Technology	Chennai 03.08.2020 to 17.08.2020
8.	Smart Technologies for Drug Design, Energy and Environment	Kumaraguru College of Technology Kumaraguru College of Technology	Coimbatore 01.09.2020 to 07.09.2020
9.	"21 st Century Teaching skills	1. AnnaiHajira women's college	Tirunelveli 8-20 July 2020
10.	Upscaling Pedagogy with Moodle	Don Bosco college	Yelagiri hills 13-15 July 2020
11.	"Implementation of Information and Communication Technology in Teaching One week online National FDP on Enhancing Quality of Chemistry Education in India	The Kerala state Higher Education council Guru Angadev Teaching Learning Centre, MHRD,	Thiruvananthapuram Delhi 18-24 July 2020 25 Feb-03 March 2020

12.	COVID taught us Agile	Nehru Institute of Information Technology	2. Coimbatore 02.08.2020
13.	Scientific Approach to COVID-19	Vellore Muthurangam Government Arts College	Vellore 06.08.2020

COUNTRIES VISITED			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Date: 10-08-2022

Name: Dr.S.Mary Jelastin Kala