

RESUME



Name: DR. D. JAYAKUMAR
Designation: ASSISTANT PROFESSOR
Department: CHEMISTRY
Address: #86,7TH STREET, KAMARAJ NAGAR, palayamamkottai
Tirunelveli, Tamil Nadu, India

PERSONAL DETAILS

Date of Birth : 02-03-1985
Qualification : M.Sc., Ph.D, S.E.T
Designation : ASSISTANT PROFESSOR
Department : CHEMISTRY
Community :
Religion :
Nationality : INDIAN
Mobile : 9884175637
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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
UG	Chemistry	LOYOLA COLLEGE,CHENNAI	University of Madras	2006
PG	Chemistry	LOYOLA COLLEGE,CHENNAI	University of Madras	2008

PhD	Chemistry	AUXILIUM COLLEGE, VELLORE	Thiruvalluvar University	2014
SET	Chemistry	-	Mother Teresa University	2016

ACADEMIC IDENTITY

*VIDWAN ID	288299
*ORCID ID	0000-0003-2804-995X
*SCOPUS ID	rid28570
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=l2kfkz4AAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	17-06-2019
Date of Retirement	14-06-2043
Teaching Experience	UG 10 Years
	PG 10 Years
	17-06-2019
Research	14-06-2043

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
Organic Chemistry	St.Xavier's College (Autonomous), Palayamkottai And D.G.VAISHNAV	17-06-2014	Till date	8 YEARS

	COLLEGE, CHENNAI			
Physical Chemistry	St.Xavier's College (Autonomous), Palayamkottai	17-06-2019	21-12-2020	5 years
Inorganic Chemistry & Allied chemistry	D.G.VAISHNAV COLLEGE, CHENNAI	01-09-2014	31.05.2019	4.5 YEARS

AWARDS RECEIVED

1.	Won best Faculty award at “EDC Free-India” programme conducted by CFMEEAcademy, chennai, tamilnadu, India on 28 th December 2016
2.	Best Oral presentation (Third Prize) in the national Conference on “Recent Application of Nanomaterials in Chemistry and Environmental Research” held on 18 th and 19 th February 2011.

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP

S. No	Designation	Particulars
1.	Member	INDIAN SCIENCE CONGRESS ASSOCIATION (Kolkata) Membership no:L32540

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC & Others)			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	ICT-Enabled Teaching and Learning	29-05-2024 to 14-06-2024	Internal Quality Assurance Cell (IQAC), St Xavier's College, Palayamkottai
2	Teaching Teachers: Style and Professionalism	23-07-2024	Internal Quality Assurance Cell (IQAC), St Xavier's College, Palayamkottai
3	Preparation and Finalizing Research Papers for Journals Recognized by the Institute for Scientific Information.	08-08-2024	Internal Quality Assurance Cell (IQAC), St Xavier's College, Palayamkottai
4	Enhancing Research Productivity: Impactful Publications and Projects	12-12-2024	Internal Quality Assurance Cell (IQAC), St Xavier's College, Palayamkottai

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
PhD	STUDIES ON ANTIOXIDANT, ANTIBACTERIAL AND HEPATO PROTECTIVE ACTIVITIES OF THE LEAF EXTRACTS OF <i>MORINDA PUBESCENS</i>	Thiruvalluvar University

AREAS OF RESEARCH
Phytochemistry
Synthetic organic chemistry
<i>In vitro</i> antioxidant properties and Cancer cell lines

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

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	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year
1	<i>International Conference on Futuristic Trends in Chemical Sciences – for health, energy and environmental sustainability.</i>	St.Xavier's College, Palayamkottai,	2025
2	<i>Lab Manual of Organic and Phyto Chemistry.(for theory and practice)</i> ISBN. NO.978-81-933712-0-6.	IndiaELOmega technologies	2016
3	<i>Move forward towards an Integrated Personality</i>	Muthuselvi Publications	2025
4	<i>Environmental studies</i>	St.Xavier's College, Palayamkottai,	2025.
5	<i>Allied Chemistry-1.</i>	Shanlax Publications	2024
6	<i>Life Issues and Coping Skill Development</i>	St.Xavier's College, Palayamkottai,	2023

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	High performance of pyrochlore like $\text{Sm}_2\text{Ti}_2\text{O}_7$ heterojunction photocatalyst for efficient degradation of rhodamine-B dye with waste water under visible light irradiation	Journal of King Saud University	Science 32(2), 1516-1522
2	.Antioxidant and cytotoxic effects of hexane extract of <i>Morinda pubescens</i> leaves in human liver cancer cell line,	Asian Pacific Journal of Tropical Medicine	2012,5(5), 362-366

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Antioxidant and Antimicrobial Activities of <i>Wedelia trilobata</i> and <i>Morinda pubescens</i>	Asian Journal of Chemistry	23(1), 305-308
2	Evaluation of antioxidant potential and antibacterial activity of <i>Calotropis gigantea</i> and <i>Vincarosea</i> using <i>in-vitro</i> model, Indian Journal of Science and technology	Indian Journal of Science and Technology	2010, 3 (7), 720-723

3	Comparison of the antioxidant and antimicrobial activities of selected Indian medicinal plants with the poly ortho amino phenol and its nano compounds	International journal of Environment and Earth Sciences	2011,1(2), 50-59

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	Faculty Development Program Interdisciplinary Applications in chemistry (IAC 2025)	JP College of Arts and Science DMI of College, Tenkasi, Tamil Nadu, India	February 25- March 03 2025 (<i>online mode</i>).
2	An Introductory Lecture on Bio Inorganic Chemistry	Arcot Sri Mahaalakshmi Women's College	28th February 2024
3	Introduction of Stereochemistry and Reactivity of Organic Molecules	Vivekanandha College of Arts and Science for Women (Autonomous), Thiruchengode	12 th October 2023
4	A Brief Discussion on Spectroscopic Characterization of Plant Derived Coumarins and Its Biological Significance on Human Diseases	Government Siddha Medical College - Hospital	30th August 2023.
5	A Perspective View on Green Energy and Environmental Technologies	Kings Engineering College, Chennai	23rd April 2022.

6	Conducted training sessions on selected sophisticated instruments for employees of NOVA Carbons	NOVA Carbons India Pvt. Ltd., Gangai Kondan	5 th and 22 nd March 2022
7	Principles and Practices of Phytochemical Research	Auxilium College and Sacred Heart College, India	23 rd July 2020

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International (1)**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	One day International Conference on Futuristic Trends in Chemical Science – Health, Energy and Environmental Sustainability (ICFTCS2025)	SXC	Department of Chemistry, St Xavier's College, Palayamkottai-627002., & 20.02.2025.

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
ATTENDED:**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

COUNTRIES VISITED

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

QUIZ CLUB

STANDARD CLUB

Date: 21-07-25

Name:

D. JAYAKUMAR