

JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS)**PG AND RESEARCH CENTER OF CHEMISTRY****FACULTY PROFILE**

NAME OF THE TEACHING STAFF	Sr. T. Johny Dathees	
DESIGNATION	Assistant Professor	
DEPARTMENT	Chemistry	
DATE OF BIRTH	02.03.1986	
DATE OF APPOINTMENT	24.06.2015	
QUALIFICATION		
DEGREE	UNIVERSITY / INSTITUTION	YEAR OF COMPLETION
B.Sc.	Fatima College, Madurai.	2011
M.Sc.	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	2013
M.Phil.	Madurai Kamaraj University, Madurai	2017
S.E.T	Mother Theresa Women's University, Kodaikanna	2017
(Ph.D)	Karunya University, Coimbatore.	2025
TOTAL EXPERIENCE	UG: 09 PG: 09 M.Phil.: 04	
AREA OF SPECIALIZATION /INTEREST	Nanochemistry & Fluorescence Chemosensor	
PROFESSIONAL AFFILIATION		
YEAR	PROFESSIONAL AFFILIATION	
2015-16	• Member in Campus Ministry	
2017-18	• Member in Entrepreneurship Cell	

2018 -19	<ul style="list-style-type: none"> • Co-ordinator of Entrepreneurship Cell • Member in Jacacadamy NET/SET
2019–20	<ul style="list-style-type: none"> • Member in Jacacadamy NET/SET • Member in Campus Ministry
2020 – 21	<ul style="list-style-type: none"> • Member in Jacacadamy NET/SET • Member in Campus Ministry
2021 – 22	<ul style="list-style-type: none"> • Member in Jacacadamy NET/SET • Member in Campus Ministry
2022 – 23	<ul style="list-style-type: none"> • Member in Jacacadamy NET/SET • Member in Campus Ministry
2023 – 24	<ul style="list-style-type: none"> • Member in Jacacadamy NET/SET • Member in Campus Ministry
2024 – 25	<ul style="list-style-type: none"> • Co-ordinator of Campus Ministry Cell • Member in Jacacadamy NET/SET • Member in JACTILE
2025 – 26	<ul style="list-style-type: none"> • Co-ordinator of NSS • Member of JACTILE
RESEARCH PUBLICATIONS	INTERNATIONAL AND NATIONAL PUBLICATIONS
<ol style="list-style-type: none"> 1. T. Johny Dathees, S.Sahaya Leenus,R.Anitha, C.Sagaya Rani, Plant mediated synthesis of silver nanoparticles and their biological activities: 5(3) May-June 2016, ISSN 2319-8141, 249-258. 2. T. Johny Dathees, S.Sahaya Leenus,J.Jenifer,K.Kharaniya, Green synthesis of silver nanoparticles, International Journal of Universal Pharmacy and Biosciences:5(6), November-December 2016, ISSN 2319-814, 146-157. 3. S.Sahaya Leenus, T.Johny Dathees, P.Nivetha,S.Ilakkiya,Green Synthesis of Silver Nanoparticles and their Antimicrobial Activity, Journal of Emerging Technologies and Innovative Research (An International Open Access Journal & UGC and ISSN Approved), ISSN: 2349-5162, Vol. 6, Issue.3 March 2019. 4. T. Johny Dathees, S. Sahaya Leenus, S. Maria Esther, P. Revathi, Photodegradation of Methylene Blue in the presence of Solar Light using CdO Nanocatalyst, Journal of Emerging Technologies and Innovative Research (An International Open Access Journal & UGC and ISSN Approved), ISSN: 2349-5162, Vol. 6, March 2019. 	

5. **Sr. S. Sahaya Leenus**, Devasahaya Mary, T. Madhumitha, P. Mageshwari, Sr. T. Johny Dathees Green Synthesis of Silver Nanoparticles using *Muntingia Calabura L*, (Fruits)*Citrus Reticulata leaves* and their Antimicrobial activity (An International Open Access Journal & UGC and ISSN Approved) 2020 JETIR January 2020, Volume 7, Issue 1 www.jetir.org (ISSN-2349-5162)
6. **Sr. T. Johnnydathees**, S. vinita, J. Vijayalakshmi, Sr. S. SahayaLeenus “Green synthesis of Copper oxide Nanoparticles and their Antimicrobial activity” in the journal of Emerging Technologies and Innovative Research,7(1)2020, pp 831-840, ISSN No 2349-5162.
7. **Johny Dathees T**, Prince Makarios Paul S, Anandhavelu Sanmugam, Abiram A, Murugan S, Raju Suresh Kumar, Abdulrahman I. Almansour, Natrajan Arumugam, Raju Nandhakumar, Dhanasekaran Vikraman· 2024, “Naphthalene derived Schiff base as a reversible fluorogenic chemosensor for aluminium ions detection” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 308, 123732 Impact Factor: 4.4
8. **Johny Dathees T**, Narmatha G, Prabakaran G, Sonai Seenithurai, Jeng-Da Chai, Raju Suresh Kumar , Prabhu J, Raju Nandhakumar, 2024, “Salicylaldehyde built fluorescent probe for dual sensing of Al³⁺, Zn²⁺ ions: Applications in latent fingerprint, bio-imaging & real sample analysis” *Food Chemistry*, Volume 441, 138362, Impact Factor: 8.8
9. **T. Johny Dathees**, G. Narmatha, G. Prabakaran, S. Abisha Nancy, A. Abiram, A.I. Almansour, R. Suresh Kumar, A. Thangamani, R. Nandhakumar, Dipodal unsymmetrical diaryl conjugated naphthalene: A fluorescent chemosensor for silver ions and its practical applications, *Journal of Photochemistry and Photobiology A: Chemistry* 458 (2025) 115986. <https://doi.org/10.1016/j.jphotochem.2024.115986>.
10. T. Johny Dathees, G. Narmatha, G. Prabakaran, V. Ramya, S. Abisha Nancy, A. Abiram, R. Ramya, V. Rajesh Kannan, A.I. Almansour, R.S. Kumar, R. Nandhakumar, Harnessing uryl linked quinoline-naphthalene fluorescent chemosensor: Applications in detection of hazardous silver ions, latent-fingerprint, real sample analysis, live cell imaging and corrosion inhibition, *Journal of Molecular Liquids* 414 (2024) 126240. <https://doi.org/10.1016/j.molliq.2024.126240>.
11. Narmatha G, Johny Dathees, Elizabeth Antony, J. Prabhu, Abhisha Nancy, Abiram Angamuthu, Raju Suresh Kumar, Raju Nandhakumar, “Quinoline -Thiourea Conjugate: A Dual -Modal Fluorescent Chemosensor for selective Detection of

Mercury and Cyanide Ions in Seafood, Soil and Biological Systems” Journal of Fluorescence, <https://doi.org/10.1007/s10895-025-04353-4>

12. T. Johny Dathees^a, R. Nandhakumar *, “Naphthol – Xylylene dibromide based fluorescent chemosensor for the selective detection of silver ions”. Journal of JACJOSHAM (2025-2026)

FUNDED PROJECT

JAC / 2022 – 2023 / JACFRP – Scholar / 7 “synthesis of urea and its applications” Sept 30th, 2022

SEMINARS/CONFERENCES/WORKSHOPS PARTICIPATED

YEAR	TITLE	LEVEL	PLACE AND DATE
2015- 2016	Current Excitementsin Biochemistry and Molecular Biology for Agriculture and Medicine	National	Hyderabad 27-11-2015 to 30-12-2015
2016-2017	Workshop on Statistics using Exceland SPSS in Collaboration with AIMST University	National	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 17.01.2018 to19.01.2018
2017-2018	Recent Trends in Chemistry (RTC-8)	National	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 23.01.2018
2017-2018	Workshop on women in science and Research, IQAC in collaboration with United states India	National	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 19.02.2018&20.02.2018

	Educational foundation, Chennai		
2018-2019	IAS Sponsored Lecture Workshop on Recent Trends in Chemistry		Jayaraj Annapackiam College for Women, Periyakulam On 28.09.2018&29.09.2018
2019-2020	National Seminar on Recent Trends in Chemistry (RTC-10)	National	Jayaraj Annapackiam College for Women, Periyakulam on 10.12.2019
	National webinar on outcome-based education	National	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 22.05.2020 – 29.05.2020
	Novel Corona virus (COVID-19) ministry of Health and WHO	International	URS Training Services LLC 08.04.2020
	National Commission for Women, India	National	National Commission for Women, India 08.04.2020
	Effective usage of ICT Tools for E-Content preparation	National	Jayaraj Annapackiam College for Women Autonomous, Periyakulam. 27.04.2020 - 02.05.2020
	Digital Tools For Smart Classroom In Higher Education	National	Jayaraj Annapackiam College for Women Autonomous,

			Periyakulam 06.05.2020 - 07.05.2020
	Fundamentals Of Nano Science Organized By Department Of Physics	National	Thirukolanjiappar Govt ArtsCollege- Virddhachalam 21.05.2020
	Covid -19 Organized By St.Annes B.Ed College	National	St.Annes B.Ed College for Women, J.A College
2020-2021	International Webinar organized by PG and Research Center of Chemistry	International	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 11.06.2020 - 12.06.2020
2021-2022	International Conference on Multidisciplinary Aspects in Chemistry (ICMAC - 2022)	International	Sri Ramakrishna College of Arts & Science, Coimbatore Tamilnadu. 20.01.2022 - 01.01.2022
	3-day International Virtual Conference on "Chemistry – Frontiers & Challenges (ICCFC - 2022)"	International	PG & Research Department of Chemistry PSGR Krishnammal College for Women, Coimbatore, Tamil Nadu, India 05.01.2022 - 07.01.2022
2022-2023	One day International webinar on Recent Trends in Chemistry (RTC I4)	International	PG and Research Center of Chemistry and Jyothi Nivas College, Autonomous, Bangalore 19.12.2023

	One-month FIP Program	International	Ramanujan College University of Delhi
2023-2024	Two-week Refresher Course in "Chemistry"	National	Teaching Learning Centre Ramanujan College, University of Delhi 28 April – 11 May, 2024
2024-2025			

**DETAILS OF SEMINARS/ WORKSHOPS/ TRAINING PROGRAMMES/
LECTURES/ TALK ORGANISED**

S. NO.	TITLE OF THE PROGRAMME	INSTITUTION/ VENUE	DATE
1.	International Workshop on Statistics using Excel and SPSS in Collaboration with AIMST University	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	17 th to 19 th Jan. 2018
2.	National Webinar on "Women in Entrepreneurship"	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	15.06.2020
3.	Intercollegiate	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	09.01.2023
4.	UGC NET/SET coaching class for all the PG students	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	01.02.2023 to 28.02.2023
5.	Hands-on Training Programme	Jayaraj Annapackiam	21.03.2023

		College for Women (Autonomous), Periyakulam	
CONFERENCE PRESENTATIONS			
YEAR	TITLE OF THE PAPER	SEMINAR	VENUE
2016-2017	Green synthesis of Silver Nanoparticles	UGC sponsored National Seminar on Recent Trends in Chemistry (RTC-7)	PG and Research Center of Chemistry, J A College, Periyakulam
2017- 2018	Production and characterization of CuO Nanoparticle using <i>Mentha Logifolia</i>	National Seminar on Recent Trend in Chemistry (RTC-8)	PG and Research Center of Chemistry, J A College for Women, Periyakulam
2021-2022	A switch-on Fluorescent Chemosensor for selective detection of Aluminium ions and its applications	International Conference on Multidisciplinary Aspects in Chemistry (ICMAC – 2022)	Sri Ramakrishna College of Arts & Science, Coimbatore Tamilnadu.
2021-2022	“Naphthalene- based fluorometric specific detection of Aluminium (II) and its applications”	3-day International Virtual Conference on “Chemistry – Frontiers & Challenges (ICCFC – 2022)”	PG & Research Department of Chemistry PSGR Krishnammal College for Women, Coimbatore, Tamil Nadu, India
2022-2023	A Salin-type fluorescent probe for the dual sensing of Al ³⁺ , Zn ²⁺ ions and their applications in latent fingerprint,	2 nd International Conference on Frontiers in Chemical Sciences (ICFCS- 2023)	Department of Applied Chemistry, Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India.

	bio-imaging & real sample analysis		
2023-2024	Green Synthesis of copper oxide nanoparticle and their antimicrobial activity using <i>Pisola Alba</i> and <i>Zea Mays</i>	Advances Functional Materials for Sustainable Development	PG and Research Center of Chemistry, J.A.College for Women (Autonomous), Periyakulam Tamil Nadu, India
2023-2024	Poster Presentation, "Comparative Study on Efficiency and Sustainability of Titanium with Aluminium Electrodes in Electrocoagulation for Textile Dye Wastewater Remediation for Small Scale Industries (SSI)"	Second International Conference on Frontiers in Chemical Sciences (ICFCS-2023)	26 th & 27 th October 2023. Organized by Department of Applied Chemistry. Karunya Institute of technology and Sciences. Karunya University. Coimbatore 14. (International)
2024-2025	Naphthol - Xylylene dibromide - Based Fluorescent Chemosensor for the Selective Detection of Silver ions	National Seminar on Recent Trends in Chemistry (RTC-11)	PG and Research Center of Chemistry, JAC, Periyakulam on 28.01.2026
RESEARCH EXPERIENCE: 09 years			
RESEARCH GUIDANCE: UG Project Completed: 05 PG Project Completed: 10			
BOOKS PUBLISHED			

YEAR	BOOK	ISBN NUMBER
2017-2018	Value Education	978-81923121-4-9
2020-2021	Allied Chemistry (volume – I)	978-81-2344-027-9
2021-2022	Allied Chemistry (volume – II)	978-81-2344-109-2
2023	Usage of Chemicals in Daily Life	
RESOURCE PERSON		
YEAR	TITLE / PROGRAM	PLACE
2018-2019	Resource Person for SET/NETCoaching	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
2022 - 2023	Resource Person for SET/NET Coaching	
2024 - 2025	Higher Education (SET/NET Coaching Class)	