

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

PUTHANAMPATTI-621007

STAFF PROFILE



NAME OF THE STAFF : Dr. P. JOHNRAJ
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : CHEMISTRY

1. CONTACT

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2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
B.Sc	St. Joseph's College, Trichy-2	2005
M.Sc	St. Joseph's College, Trichy-2	2007
M.Phil	St. Joseph's College, Trichy-2	2008
Ph.D	Periyar E.V.R. College, Trichy-23	2017

3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1	Nehru Memorial College (Autonomous), Puthanampatti	04.07.2008 – Till date	14 Years 9 Months	14 Years 9 Months

4. RESEARCH EXPERIENCE (in years) : 12 Years

5. AREA OF RESEARCH : Corrosion Studies & water analysis

6. RESEARCH GUIDANCE (In Numbers)**

Program of Study		Completed	Ongoing
Research	M. Phil.	-	
Project	PG	44	5

7. PUBLICATION(S) (In Numbers)**

Journal(s)		Proceeding(s)	
International	National	International	National
5	-	1	-

Cumulative Impact Factor (as per JCR)	
h-index	2
Total Citations	10

8. PRESENTATION(S) (In Numbers)**

Events	International	National
Conference(s)	4	2
Seminar(s)		

9. PARTICIPATION (In Numbers)**

Events	International	National	State	Regional
Conference(s)	1	-	1	-
Seminar(s)	-			3
Workshop(s)		1	2	3

10. PROFESSIONAL DEVELOPMENT (In Numbers)**

Orientation Programme(s)	Faculty Development Programme(s)
-	14

14. EVENT(S) ORGANIZED

S. No.	Name of the Programme	Role of Responsibility held	Name of the Resource Person	Date of the Event
1.	Inter-collegiate competition	Co-Organizer	Dr. A. Peter Pascal Regis	1.3.2016

15. ACADEMIC / ADMINISTRATIVE RESPONSIBILITIES HELD

* Member of academic council in NMC, Puthanampatti

16. DETAILS OF MEMBERSHIP

Academic Bodies (Board of studies)	UG & PG Board of studies member in NMC
Professional Bodies	Life Member of ISSE (Indian Society of Systems for Science and Engineering (LM05991); (Web site: www.isseindia.co.in))

21. DETAILS OF PUBLICATIONS**(a) JOURNAL(S)**

S. No.	Name of the author/s	Title of the paper with e-link	National/ International	Name of journal	Volume Page No & Year	ISSN
1	A. John Amalraj, J. Wilson Sahayaraj, A. Peter Pascal Regis, Arockia Sahayaraj, P. Pandian, P. Johnraj, A. Kasthuri, C. Kumar	Synergistic Effect of <i>Allium cepa</i> -Zn ²⁺ System on the Corrosion of Carbon Steel in Ground Water	International	<i>Engineering</i>	Volume- 5, Page No: 178 – 183, Year : 2013.	1947-3931
2	A. Kasthuri, P. Pandian, A. Peter Pascal Regis, A. John Amalraj, P. Johnraj	Removal of congo red dye by adsorption using activated ipomoea carnea	International	<i>International journal of nano corrosion science and engineering,</i>	Volume- 2, Issue-5, Page No: 39 – 48, Year : Dec-2015	2395-7018

3	P. Johnraj, A. John Amalraj, J. Wilson Sahayaraj, P. Pandian, A. Kasthuri, and Susai Rajendran	Influence of sodium potassium tartarate on 2-CIEPA -Zn ²⁺ system on the corrosion of steelin sea water	International	<i>International journal of nano corrosion science and engineering</i>	Volume- 2, Issue-6, Page No: 120 – 130 , Year : Dec-2015	2395-7018
4	P. Johnraj, A. John Amalraj, P. Pandian, A. Kasthuri, V. Dharmalingam	Inhibitive Effect of Halophosphonic Acidon The Corrosion of Carbon Steel in Sea Water	International	<i>The International Journal Of Engineering And Science (IJES)</i>	Volume-5, Issue-2 Pages PP - 19-25, Feb 2016	2319 – 1805
5	Anita, A. John Amalraj, V. Dharmalingam, J. Wilson Sahayaraj and John raj	The influence of CTAB with water soluble polymer to control the corrosion of carbonsteel,	Internatio nal	Internatio nal Journall of Nano Corrosion Science and Engineering,	3(4), 2016, 389-406.	ISSN (online): 2395-7018

(b) PROCEEDING(S)

S. No.	Name of the author/s	Title of the paper	National/ International	Name of Conference	Page No & Year	ISBN
1	P. Pandian, A. Kasthuri, P. Johnraj and B.Gokulakrishnan	Abatement of Congo red dye by adsorption using activated Punica granatum peel	International	International Conference onResearch initiatives in chemistry for sustainable development	2019	978-93-86712-63-9

22. DETAILS OF PRESENTATION(S)**(Conference(s) / Seminar(s))**

S. No.	Name of the Paper	Name of the Conference / Seminar	National/ International	Place	Duration/ Date
1.	Synergistic effect of HEDP and Mg^{2+} in Controlling the Corrosion of Carbon steel in ground water	National Conference on Emerging Trends in Chemistry	National	Bishop Heber College , Trichy – 23	11.01.2012
2.	Influence of sodium potassium tartarate on 2-CIEPA - Zn^{2+} system on the corrosion of steel in sea water	International Conference on Chemical and Environmental Research	International	Jamal Mohamed College (Autonomous), Trichy – 620 020	17.12.2015
3.	Inhibitive effect of Halophosphoric acid on the corrosion of carbon steel in sea water	International Conference	International	Jamal Mohamed College (Autonomous), Trichy – 620 020	26.02.2016
4.	Removal of Congo red from aqueous solution	State Level Seminar on Emerging Trends in	State	A.V.V.M. Sri Pushpam College (Autonomous)	29.8.2017

	by adsorption onto activated ficus religiosa	Chemistry		Poondi – 61303, Thanjavur Dt	
5.	A study on the adsorption of crystal violet dye by activated ficus religiosa	State Level Seminar on Emerging Trends in Chemistry	State	A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 61303, Thanjavur Dt	29.8.2017
6.	Comparative Study Of TSC and SPT On Phosphonic Acid –Zn ²⁺ System On The Corrosion Of Carbon Steel in Bore Water	State level seminar on Emerging trends in Chemistry	state	A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 61303, Thanjavur Dt	29.08.2017
7.	Influence of sodium gluconate on the corrosion of carbon steel in bore water	State Level Seminar on Emerging Trends in Chemistry	State	A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 61303, Thanjavur Dt	29.8.2017
8.	Removal of Fe(II) Ions by Eco-friendly Ficus Religiosa	National conference on Advanced materials in chemistry (NCAMC'18).	National	St.Joseph's (Autonomous), Trichy	8.2.2018
9.	Adsorption of malachite green onto acid activated Citrus limetta peels	International conference on chemical and environmental research-ICCER 2020	International	Jamal Mohamed college, trichy	12.11.2020
10.	Structure reactivity correlation and oxidation of phenol using pyrazinium chlorochrom	International Conference on Recent Advances in Material Chemistry	International	SRM Institute of Sciences and Technology, Kattankulathur.	17.02.2022 to 19.02.2022

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23. DETAILS OF PARTICIPATION

(Conference(s) / Seminar(s) / Workshop(s) / Symposium(s))

S. No.	Name of the event(s)	Sponsored by	Conducted by	Place	Duration/ Date
Conference(s)					
1.	Recent Advances in Chemistry	Tamil nadu state council for higher education	Periyar E.V.R. college	Trichy	16 & 17.03.2009
2.	International Conference on Recent Advances in Material Chemistry	Department of chemistry	SRM Institute of Sciences and Technology	Kattankulathur.	17.02.2022 to 19.02.2022
Seminar(s)					
1.	E-Learning Resources for Higher Academic Research	Library	St.Joseph's college	Trichy	02.02.2008
2.	Seminar on Examination Reforms	UGC	NMC	Puthanampatti	15.03.2012
3.	Seminar on Examination Reforms	UGC	NMC	Puthanampatti	16.02.2013
Workshop(s)					
1.	State level workshop on modern methods analytical techniques in chemistry research	PG and research department of chemistry	St. Joseph's College	Trichy	31.01.2014
2.	Two day workshop on Innovative Curriculum Designing	UGC	NMC	Puthanampatti	24 & 25.11.2017
3.	Workshop on outcome based education	UGC	NMC	Puthanampatti	25.08.2018

4.	Chemical kinetics and reaction mechanism in transition metal chemistry	School of chemistry	Bharathidasan university	Trichy	7 to 11.01.2019
5.	Workshop-Advances in Chemical Sciences	CRSI	Seethalakshmi Ramaswami College.	Trichy	17.09.2022
6	Intellectual Property Rights (IPRs)	IQAC	NMC	Nehru Memorial College (Autonomous) Trichy-621 007	01.12.2022

24. DETAILS OF PROFESSIONAL DEVELOPMENT

(Orientation / Refresher Course / FDP / Short Term Course / Online Course)

S. No.	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
Faculty Development Programme					
1.	Faculty Development programme on Higher Education	UGC	NMC	Puthanampatti	21.01.2012
2.	Faculty Development Programme on Effective Teaching	UGC	NMC	Puthanampatti	12.06.2017
3.	Impact of Research on teaching in higher education	UGC	NMC	Puthanampatti	11.06.2014
4.	Substance/enhancement of Quality in Higher education	UGC	NMC	Puthanampatti	05.08.2015
5.	Faculty Development Programme on Students Skills Mentoring and Counselling	UGC	NMC	Puthanampatti	30.5.2019
6.	Faculty Development	IQAC	NMC	Puthanampatti	10 & 11.8.2020

	programme on Online Teaching, and				
7.	Faculty Development Programme on Outcome based Education: Mapping and rubrics.	IQAC	NMC	Puthanampatti	20 & 21. 5.2021
8.	Webinar- Microscale Experiments in Chemistry	Department of chemistry	Avinashilinga m Institute for Home Science and Higher Education	Coimbatore.	31.01.2022
9.	Faculty Development Program-Carbon Capture and Storage.	Department of chemistry	Central University of Tamil Nadu	Thiruvapur.	21.02.2022 to 25.02.2022
10.	Webinar- Graphene for Electrochemical Sensors	Universal Intellectuals Trust	Universal Intellectuals Trust	Villupuram.	20.03.2022
11.	Learning Outcome Based Curriculum Framework In Higher Education	IQAC	NMC	Nehru Memorial College (Autonomous) Trichy-621 007	01.04.2022
12.	Teaching and Research Ethic's	IQAC	NMC	Nehru Memorial College (Autonomous) Trichy-621 007	15.07.2022
13..	Publication of Quality Research Papers in Reputed Journals	IQAC	NMC	Nehru Memorial College (Autonomous) Trichy-621 007	02.12.2023
14.	Curriculum, Pedagogy and Assessment	IQAC	NMC	Nehru Memorial College (Autonomous) Trichy-621 007	10.12.2023