

# RESUME



**Dr. A. Jerold Antony**

**Name:**

**Designation: Assistant Director in STAND**

**Chemistry**

**Department:**

**Address: Assistant Professor,  
Department of Chemistry  
St.Xavier's College (Autonomous),  
Palayamkottai.**

## PERSONAL DETAILS

Date of Birth : 14-06-1983

Qualification : M,Sc; M.Phil, SET

Designation : Assistant Professor

Department : Chemistry

Community : BC

Religion : Christian

Nationality : Indian

Mobile : +91-9095742748

Email ID : jeroldantony2012@gmail.com

ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
UG	Chemistry	Aditanar College of Arts and Science, Tiruchendur	Manonmanium Sundaranar University	2004
PG	Chemistry	Aditanar College of Arts and Science, Tiruchendur	Manonmanium Sundaranar University, Tirunelveli.	2006
M.Phil	Chemistry	VOC College, Tuticorin	Manonmanium Sundaranar University, Tirunelveli.	2008
PhD	Chemistry	St.Xavier's College (Autonomous), Palayamkottai	Manonmanium Sundaranar University, Tirunelveli.	2022
ACADEMIC IDENTITY				
*VIDWAN ID		286858		
*ORCID ID		0000-0003-0280-5593		
*SCOPUS ID		57118146600		
*RESEARCHER ID/ PUBLONS ID		GOE-5847-2022		
GOOGLE SCHOLAR LINK		<a href="https://scholar.google.co.in/citations?hl=en&amp;user=hEizwakAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=hEizwakAAAAJ</a>		

<b>TEACHING EXPERIENCE</b>
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<b>Date of Appointment</b>	14-06-2016
<b>Date of Retirement</b>	14-06-2043
<b>Teaching Experience</b>	UG 4 Years
	PG 9 Years
	M.Phil.
<b>Research</b>	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
Organic Chemistry	St.Xavier's College (Autonomous), Palayamkottai	14-06-2016	Till date	2.1
Physical Chemistry	St.Xavier's College (Autonomous), Palayamkottai	14-06-2016	Till date	2.1
Inorganic Chemistry	Aditanar College of Arts and Science, Tiruchendur	02-07-2007	31.05.2010	2.11
Inorganic Chemistry	St.Xavier's College (Autonomous), Palayamkottai	14-06-2016	14-06-2017	1.0
Environmental Science	St.Xavier's College (Autonomous), Palayamkottai	14-06-2017	14-06-2018	1.0

AWARDS RECEIVED	
1.	Best Poster presentation award in International Conference on Smart Materials Chemistry held at St.Joseph's College(Autonomous), Tiruchy
2.	
3.	
4.	
5.	

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR

<b>MEMBERSHIP</b>		
<b>S. No</b>	<b>Designation</b>	<b>Particulars</b>
1.		
2.		
3.		
4.		
5.		

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Three days online FDP on “ICT tools for effective teaching”	IQAC, Kamala Nehru Mahavidyalaya, Nagpur	08-10 June 2021
2	One week online short term FDP on “Implementation of Information and Communication Technology in Teaching”	School of Legal Studies Cochin University of Science and Technology, Kochi in collaboration with Kerala State Higher Education Council, Trivandrum	18-24 July 2020
3	FDP on Upscaling Pedagogy with MOODLE	Don Bosco College, Yelagiri Hills collaboration with Bosco Soft Technologies	13-15 July 2020
4	4 weeks induction/orientation programme for Faculty in Universities/Colleges/Institutes of Higher Education		20 June 2022-19 July 2022
5			

<b>DETAILS OF RESEARCH WORK</b>		
<b>Research Stages</b>	<b>Title of the Thesis</b>	<b>University where the work was carried out</b>

PhD	Synthesis and Applications of Pristine and Doped WO <sub>3</sub> Nanoparticles	Manonmaniam Sundaranar University, Tirunelveli.

### AREAS OF RESEARCH

Nano Chemistry

Inorganic chemistry

Polymer Chemistry

### 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	

<b>PUBLICATIONS: BOOKS ()</b>			
<b>S. No</b>	<b>Title of the Book</b>	<b>Publication</b>	<b>Year</b>

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

<b>PUBLICATIONS: SCOPUS INDEXED JOURNALS (5) WEB OF SCIENCE (4)</b>			
<b>S. No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>
1	Enhancing the visible light induced photocatalytic properties of WO <sub>3</sub> nanoparticles by doping with vanadium	Journal of Physics and Chemistry of Solids	0022-3697, 157, IF=4.383 & 110169
2	Phase Modifications of WO <sub>3</sub> Nanoparticles with Green Capping Agents for Effective Removal of Copper Ions from Waste Water	Journal of Inorganic and Organo metallic Polymers and materials	1574-1451, 32(2), IF=3.543 & 367
3	Mo Doped WO <sub>3</sub> Nanoparticles as Nanoprimer Agent for Promoting the Seed Germination	Journal of Cluster Science	1572-8862, <a href="https://doi.org/10.1007/s10876-021-02206-1">https://doi.org/10.1007/s10876-021-02206-1</a> , IF = 3.447

	and their Effects on Bacterial Growth		
4	Structural, optical, and magnetic properties of pristine and Cr doped WO <sub>3</sub> nanoparticles	Inorganic and Nano-Metal Chemistry	2470-1556,52 (7), IF=1.716 & 951-960
5	Spectroscopic, microbial and DNA binding affinities of some copper metal complexes using 1,10-phenanthroline as a co-ligand	Der Pharmacia Lettre,	0975-5071, 8 (1), IF= 0.314 & 310-319
6	Visible Light Driven Effective Photodegradation of Alizarin Red S Using Zirconium Doped Metastable Hexagonal MoO <sub>3</sub> Nanorods	Journal Of Cluster Science	1040-7278, <a href="https://doi.org/10.1007/s10876-022-02371-x">https://doi.org/10.1007/s10876-022-02371-x</a> , IF=3.447
7	Electrical conductivity and electrochemical studies of Cr-doped MoO <sub>3</sub> nanoflakes for energy storage applications	Journal of Solid State Electrochemistry	14328488, 14330768, 27(2023), 271-280, IF= 2.646
8	Deep eutectic solvent mediated synthesis and fabrication of a WO <sub>3</sub> -MgO nanocomposite as an electrode material for energy storage applications	New Journal of Chemistry	1144-0546,47(6), 2797-2808, IF=3.591

9	Enhancing the optical, temperature dependent electrical and dielectric properties of WO <sub>3</sub> through Fe doping for optoelectronic applications	Journal of Material Science: Materials in Electronics	<a href="https://doi.org/10.1007/s10854-023-10109-2">https://doi.org/10.1007/s10854-023-10109-2</a> , IF=2.478
10	Temperature and frequency dependent electrical conductivity of Al-Mo co-doped WO <sub>3</sub> nanoparticles	Inorganic Chemistry Communications	<a href="https://doi.org/10.1016/j.inoche.2023.111070">https://doi.org/10.1016/j.inoche.2023.111070</a> IF = 3.8
11	Highly efficient kaolin/g-C <sub>3</sub> N <sub>4</sub> /WO <sub>3</sub> ternary nanocomposite for the effective removal of Arsenic ions from aqueous media	Diamond and Related Materials	<a href="https://doi.org/10.1016/j.diamond.2024.110955">https://doi.org/10.1016/j.diamond.2024.110955</a> IF =4.1

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Synthesis and Characterisation of CuO nanoparticles using anthranilic acid as surfactant	"Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162, 6(3), IF=7.95 & 67-71
2	Catalytic and antibacterial efficacy of biogenic platinum nano particles using Cressa cretica leaf broth	Journal of Applied Science and Computations (JASC)	1076-5131, IV, IF = 5.8 & 287-291
3	Green Synthesis and Characterisation of Gold Nano particles Using Leaf Extract of Spermacoce Hispidia Borreria	Journal of Applied Science and Computations (JASC)	1076-5131, 6(3), IF = 5.8 & 1536

<b>PUBLICATIONS: OTHER INDEXED JOURNALS ()</b>
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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

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

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
	Emerging Trends in Chemistry (ETC-16)	UGC	06.01.2016
	Recent trends in Interdisciplinary Science' (RTIS-2019)	UGC Autonomy Grant	20.09.2019
	UGC sponsored National Conference on Emerging Trends in Algae	UGC	28.11.2019

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

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
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1	One day online National conference on “Applications quantum chemistry	Shri panchamkhemrajmahavidyalaya	3-May 2020 Online
2	International Webinar on Materials for Energy, Environment and Healthcare Applications	The Gandhigram Rural Institute – DTBU, Gandhigram, Tamilnadu	21-22 May 2020 Online
3	International Webinar on Chemistry	The American College, Madurai - 625002, Tamil Nadu, INDIA	29 May 2020 Online
4	Modern Approach to Chemistry and Hands on training on solving spectroscopic problems	Tamil Nadu State Council for Science and Technology & Department of Science and Technology, Government of India, Chennai	24 May2020 Online
5	An International E-conference on Recent advances in Chemical, Physical and Biological sciences	Department of Chemistry, Nabira Mahavidyalaya, Kotal and Association of Chemistry Teachers (ACT), C/O Homi Bhabha Centre for Science Education (TIFR), Mumbai	29-30 June 2021 Online
6	PEM fuel cells for Electric vehicles and Heterogeneous catalyst design for desulfurization targeting clean environment	PG and Research Department of Chemistry, The American College, Madurai	28 June 2021

#### COUNTRIES VISITED


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

STAND an extension programme incharge for PG chemistry students from 2016-2018



**Date: 07.05.2024**

**Name: A. Jerold**

**Antony**