

CURRICULUM VITAE

1. Name **Dr. M. Jansirani**
2. Educational Qualification M.Sc., M.Phil., Ph.D.
3. Age and date of birth 47 years, 16.11.1978
4. Official Address Principal and Associate Professor of Chemistry,
Govindammal Aditanar College for Women,
Tiruchendur. Tuticorin Dist. Tamilnadu,
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5. Educational Qualification :

Exam. Passed	Institution	Subject	Class	Marks (%)	Year of Passing
B.Sc.	St. Mary's College, Tuticorin	Chemistry	I	81	1998
B.Sc.	V.O.C. College, Tuticorin	Chemistry	I	69	2000
M. Phil.	M. K. University, Madurai	Chemistry	I	65	2002
Ph.D.	M. S. University, Tirunelveli	Chemistry	I	-	2015

6. Teaching Experience : 22 Years

7. Research Experience : 4 Years

8. Research Identity Web URL :

(i) VIDWAN Id : <https://vidwan.inflibnet.ac.in/profile/593774>

(ii) Google Scholar : <https://scholar.google.com/citations?hl=en&user=BoMDBekAAAAJ>

9. Research Achievements:

(i) No. of research papers published: 7

(ii) **Reviewer:** 1. BP International (Chapter) – 2
2. Asian Journal of Research in Crop Science (Journal) -1

(iii) Google Scholar: Total citations: 50; h- index – 3; i10 – index – 2

10. Area of Research: Environmental chemistry and Phyto chemistry

(i) Recognised Research Supervisor for Ph. D Manonmaniam Sundaranar University, Tirunelveli.

(ii) Particulars about Ph.D., Supervision

S.No.	Name of the Scholar	Title	Year of Registered	Completion Details
1	G. Chandra	Removal of toxic pollutants using polyaniline and chitosan carbon	2022	doing

		composites		
2	V. Suganya	Removal of Pollutants using Polyaniline based composites	2020	doing

11. Research paper publications:

(i) Book Chapter:

Sl. No	Title of the Chapter	Publisher	ISSN/ISBNNo
1	Phyto synthesis and characterization of SrO nanoparticles from aqueous extract of <i>Ocimum Sanctum</i> leaves	Multi spectrum Publications	9788198272607
2	Role of Digital technology in Education	ESN Publications	9789395196390
3	Online Assessment Tools	Krishna Publication House, Gujarat	9788194738831
4	Climate Change : Causes and Effects	Multispectrum Publications	9788194711490
5	Online Assessment Tools	Krishna Publication House, Gujarat	9788194738831
6	ICT in Higher Education	Aram Book House , Erode	9788093541174
7	Women empowerment – Issues and Challenges in India	Mayas Publications	9789389507829
8	Problems encountered by Women entrepreneurs	Mayas Publications	9789389507829

(ii) Research Papers published in Journals:

Sl. No	Author(s)	Title of the Article	Name of the Journal	Volume, Issue & Page No	Year	ISSN No
1	M. Jansirani, M. Murugan, P. Subramaniam and E. Subramanian	“Arsenic removal using silver-impregnated PSLW activated carbon: batch and column studies”	Journal of Applied Sciences and Environmental Management.	21(7), 1307-1312	2017	1119-8362
2	M. Murugan, M. Jansi Rani, P. Subramaniam and E. Subramanian,	“Use of activated carbon prepared from <i>Prosopis spicigera</i> L. wood (PSLW) plant material for the removal of rhodamine 6G from aqueous solution”	Desalination and Water Treatment	57 (7), 3048 – 3058	2016	1944-3986
3	M. Jansirani and R. Gandhidasan	“Phytochemical investigation of <i>Dalbergiarubiginosa</i> stem”,	Journal of Natural Products and Resources	1(1), 12-14	2015	2455-0299

4	M. Murugan, M. Jansi Rani, P. Subramaniam and E. Subramanian	“Study of water soluble dyes adsorption from aqueous solution by <i>Prosopisspicigera</i> L. wood (PSLW) carbon”,	Indian Journal of Chemical Technology,	23(1), 22-30.	2016	0975-0991
5	M. Jansi Rani, M. Murugan, P. Subramaniam and E. Subramanian	“Adsorptive removal of arsenic from aqueous solution on PSLW carbon (<i>Prosopis spicigera</i> L. wood): Equilibrium, kinetics, thermodynamics and home water treatment studies”	Research Journal of Chemistry and Environment	18, 16-24	2014	9720626.
6	M. Murugan, M. Jansi Rani, P. Subramaniam and E. Subramanian	“Fluoride removal from aqueous solutions using Batch, Column and Home water Treatment methods by Low cost adsorbent: <i>Prosopis spicigera</i> L. wood (PSLW) carbon”	Indian Journal of Environmental Protection,	34, 207-216	2014	2537141
7	M. Jansi Rani, M. Murugan, P. Subramaniam and E. Subramanian	“A study on water hyacinth <i>Eichhornia crassipes</i> oil sorbent”,	Journal of Applied and Natural Science	6, 134-138	2014	09749411

(iii) Research Papers published / presented / Participation in the International / National Conferences:

Sl.N o.	Name of the event	International / National	Place / dates	Title of paper presented / Participation
1	Innovative trends in metal based therapeutics and biosensors	National	Aditanar College of Arts and Science, Tiruchendur. 17/02/2025	Synthesis and characterization of SrO nanoparticles from <i>Ocimum Sanctum</i>
				Adsorption of copper metal ions using banana peel as a low cost adsorbent
2	Innovative Frontiers in Chemistry	International	Aditanar College of Arts and Science, Tiruchendur. 10/01/2025	Participation
3	Botanical Entrepreneurship: An innovative learning for plant based business startups	National	Maharaja Surajmal Brij University, Rajasthan. 17/09/2024-19/09/2024	Participation

4	Integrating Digital Advancements and chemistry for Sustainable Future.	International	Nazareth Margoschis College at Pillaiyanmanai. 14/08/2024	Phytosynthesis and characterization of silver nanoparticles from aqueous extract of <i>Artocarpus heterophyllus</i> leaves.
5	Biomaterials for advanced biological applications	International	Aditanar College of Arts and Science, Tiruchendur. 01/03/2024	Participation
6	Advanced materials in chemical sciences (AMCS-2024)	National	Aditanar College of Arts and Science, Tiruchendur 26/02/2024	Synthesis and characterization of silver nano particles prepared the <i>Tamarindus Indica</i> leaves.
7	Chemistry of Quantum Mechanics, Energy and Substainable Environment	State	Pope's College, Sawyerpuram. 27/03/2023	Participation
8	Recent Advances in Environmental and Biological sciences	National	Aditanar College of Arts and Science, Tiruchendur 14/03/2023	Adsorption of Rhodamine 6G dye by FeCl ₃ based polyaniline composites: an isotherm and kinetic study
9	Recent Advances in Environmental and Biological sciences	National	Aditanar College of Arts and Science, Tiruchendur 14/03/2023	Adsorption of lead by <i>TridaxProcumbens</i> , low cost adsorbent
10	Recent Advances in Environmental and Biological sciences	National	Aditanar College of Arts and Science, Tiruchendur 14/03/2023	Green synthesis and characterization of cadmium oxide nano particles from leaf extract of <i>Eucalyptus globulus</i> leaves.
11	Learning theories, active learning & assessment to achieve outcome-based learning	International	Annamal College of Education for Women, Thoothukudi. 20/01/2023	Participation
12	Multidisciplinary Research and Innovation ISSNNo: 9789395196277	International	ESN Publications 16/12/2022	Phytosynthesis and characterization of cadmium oxide nano particles from aqueous extract of <i>vitexnegunda</i> leaves.
13	Research visibility tools for reaching wider audience	National	Annamal College of Education for Women, Thoothukudi 24/09/2022	Participation

14	Advanced chemistry with smart materials	National	Aditanar College of Arts and Science, Tiruchendur 25/03/2022	Application of FeCl ₃ based polyaniline composites for the removal of methylene blue from aqueous solution
15	Advanced chemistry with smart materials	National	Aditanar College of Arts and Science, Tiruchendur 25/03/2022	Adsorption of Zinc husk as an adsorbent
16	Empowering Diversity in Science	International	Kamla Nehru Mahavidyalaya, Nagpur. 16/02/2022	Participation
17	Functional Materials for Energy, Environment and biomedical applications	International	Madurai Kamaraj University, Madurai. 02/02/2022-04/02/2022	Participation
18	Electrochemical Techniques and their application in the development of Sensors	International	Madurai Kamaraj University, Madurai. 20/01/2022-22/01/2022	Participation
19	Emerging Materials in Chemistry	International	Kamaraj College, Thoothukudi. 23/10/2021	Participation
20	Spectroscopic Techniques: Fundamentals and Applications	National	Nalla Narasimha Reddy Education Society's Group of Institutions. 06/08/2021	Participation
21	Climate change, Disaster Management & Pandemic.	International	Mandsaur University, Mandsaur. 5/06/2021	Participation
22	Renewable Energy: smart micro-grids	National	Mandsaur University, Mandsaur. 15/05/2021	Participation
23	E-content creation and ICT tools for innovative Teaching and Learning	National	Nehru Institute of Technology, Coimbatore. 14/05/2021	Participation
24	Security starts with your brain, not your password	International	S. K. Arts College, Hubballi. 10/05/2021	Participation
25	Emerging Trends in Indian Politics	National	Goswami Ganesh Dutt Sanatan Dharam College, Palwal.10/05/2021	Participation

26	Women in Academic Leadership: challenges and Opportunities	National	Madurai Kamaraj University, Madurai. 09/04/2021	Participation
27	Advanced Functional Nano materials and their Applications	National	Sri Ramakrishna Engineering College, Coimbatore. 09/03/2021	Participation
28	Hazard Control Techniques in Engineering and Chemical Industries	National	Dr. SivanthiAditanar college of Engineering College, Tiruchendur. 07/11/2020	Participation
29	Photocatalytic CO ₂ reduction challenges & prospective.	International	M.D.T. Hindu College, Tirunelveli. 17/08/2020	Participation
30	Developing digital literacy skills	International	GovindammalAditanar College for Women, Tiruchendur. 03/08/2020	Participation
31	Photocatalytic CO ₂ reduction challenges & prospective.	International	M.D.T. Hindu College, Tirunelveli. 17/08/2020	Participation
32	Green synthesis based nanoparticles and its biomedical applications	International	ArulmiguPalaniandavar College, Palani. 09/08/2020	Participation
33	Chemistry in circular economy & sustainability	National	Madurai Kamaraj University, Madurai. 29/07/2020 – 31/07/2020	Participation
34	Nanoparticles for high magnetic field applications	National	Chikkaiah Naicker College, Erode. 23/07/2020	Participation
35	Advancement in Nanotechnology	International	AnnaiVelankanni College, Tholayavattam. 18/07/2020	Participation
36	Exploring SQL and PL/SQL	National	GovindammalAditanar College for Women, Tiruchendur. 11/07/2020	Participation
37	Four days webinar programme	National	ArulmiguPalaniandavar College, Palani. 07/07/2020 – 10/07/2020	Participation

38	Inspirations from nature : Responsive materials for the modern world	International	Kamaraj College, Thoothukudi. 03/07/2020	Participation
39	Recent trends in data science	National	G.V.N. College, Kovilpatti. 02/07/2020	Participation
40	Fascinating Energies for sustainable environment	National	GovindammalAditanar College for Women, Tiruchendur. 26/06/2020	Participation
41	Qualitative and Quantitative metrics for teacher education Institutions	National	Annamal College of Education for Women, Thoothukudi 03/07/2020 – 05/07/2020	Participation
42	Advanced materials for biomedical, energy & environmental applications	International	P.S.G. College of arts & science, Coimbatore 16/06/2020	Participation
43	Biodiesel from marine algae	National	V.O.C. College, Tuticorin. 05/06/2020	Participation
44	Climate Change and Sustainable Development ISSN No: 9788192384269	International	Annammal College of Education for Women, Thoothukudi 31/01/2020	Role of Environment in Climate Change
45	Digital Initiatives for higher education-Quality and Pertinence	International	Manonmaniam Sundaranar university, Tirunelveli 29/07/2019	Effect of use of ICT in Higher Education
46	Recent Advances in Applied Chemistry	National	Aditanar College of Arts and Science, Tiruchendur 22/02/2019	Removal of Oilspills by sorption on Teak seed (<i>Tectona Grandis</i>) powder
47	Home Gardening: Plant to plate experience	State	Annamal College of Education for Women, Thoothukudi. 08/02/2019	Participation
48	The Whole Earth	National	Annamal College of Education for Women, Thoothukudi 14/02/2017	Removal of copper from waste water by Water hyacinth as an adsorbent
49	Promoting Human rights culture in higher education Institutions	National	Annamal College of Education for Women, Thoothukudi. 22/03/2016	Human rights education and its importance

50	Chemistry for sustainable energy, Clean Environment and Health ISSN No. 9789381402177	National	Manonmaniam Sundaranar University, Tirunelveli. 21/01/2015-22/01/2015	Arsenic removal silver impregnated PSLW Carbon
51	Modern trends in chemical sciences ISSN No. 9789381723258	National	VHNSN College, Virudhunagar. 18/07/2014 -19/07/2014	Adsorption of Methylene blue and Erythrosine B onto <i>Prosopis spicigera</i> L. wood (PSLW) carbon
52	Emerging trends in Chemistry	National	The M.D.T. College, Tirunelveli. 8/03/2013	Green synthesis and characterization of silver nano particles from aqueous extract of <i>Artocarpus heterophyllus</i> leaves.
53	Workshop for UGC-CSIR NET/SET examination	State	Aditanar College of Arts and Science, Tiruchendur 05/03/2013	Participation
54	Basic sciences and ELT	National	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur. 17/02/2012	Characterization of CoO nano particles
55	Advances in material Science ISSN No. 9789381402221	National	Manonmaniam Sundaranar University, Tirunelveli. 23/01/2012 -24/01/2012	Use of activated carbon prepared from <i>Prosopis spicigera</i> L. wood (PSLW) plant material for the removal of dyes from aqueous solution
56	Recent Progress in Chemistry	National	Aditanar College of Arts & Science, Tiruchendur. 04/02/2011	Participation
57	Workshop for UGC-CSIR NET/SET examination	State	Aditanar College of Arts and Science, Tiruchendur 27/02/2010 - 01/03/2010	Participation
58	Awareness of research funds for self financing college teachers	State	GovindammalAditanar College for Women, Tiruchendur. 05/10/2009	Participation
59	New Vistas in Material Science	National	Sri Paramakalyani College, Alwarkuruchi. 28/08/2009	Phytochemical investigation of <i>Dalbergia rubiginosa</i> stem

60	Nano technology and drug Research	National	Aditanar College of Arts and Science, Tiruchendur 17/10/2008	Participation
61	Food Technovation	National	Holy Cross Home science College, Thoothukudi. 30/09/2008	Food Poisoning
62	Computer Applications in chemistry	State	Sri K.G.S. College, Srivaikuntam. 1/09/2008 – 2/09/2009	Participation
63	Advances in Chemistry	State	Manonmaniam Sundaranar University, Tirunelveli. 29/02/2008	Participation
64	Symposium in Chemistry	National	Aditanar College of Arts and Science, Tiruchendur 16/02/2007	Participation
65	Eco informatics	National	GovindammalAditanar College for Women, Tiruchendur. 15/12/2006 - 16/12/2006	Reclamation and utilization in different types of soils in Tiruchendur.
66	Recent Advances in Chemistry	National	GovindammalAditanar College for Women, Tiruchendur. 14/10/2005	Participation
67	Modern trends in chemistry	State	A.P.C. Mahalaxmi College for Women, Tuticorin. 29/07/2005	Participation
68	Environmental Studies	State	A.P.C. Mahalaxmi College for Women, Tuticorin. 23/07/2004	Participation
69	Advances in Chemistry	State	Aditanar College of Arts and Science, Tiruchendur 27/09/2003	Participation

12. Orientation / FDP programmes /other short-term courses attended:

Sl. No	Name of the course	University/ Institute	Duration in days	From - To
1	NSS Orientation Programme	Manonmnam Sundaranar University, Tirunelveli	1 day	20.12.2024
2	Faculty Development Programme on Research Methodology	Kamla Nehru Mahavidyalaya, Nagpur	7 days	22/07/2024 - 27/07/2024

3	FDP on EV Battery Management	Naan Mudhalvan Scheme, Government of Tamilnadu	5 days	22/01/2024 - 30/01/2024
4	FDP on International Regulatory Requirement in Good Manufacturing Practice	Naan Mudhalvan Scheme, Government of Tamilnadu	5 days	24/07/2023 - 28/07/2023
5	NSS Orientation Programme	Manonmnam Sundaranar University, Tirunelveli	1 day	31.01.2023
6	Faculty Development Programme on Research Methodology	Kamla Nehru Mahavidyalaya, Nagpur	6 days	02/05/2022 - 07/05/2022
7	Peer educators Training Programme	Manonmaniam Sundaranar University, Tirunelveli	1 day	22.04.2022
8	FDP on Smart Materials for New Technology	St. Mary's College, Tuticorin	5 days	18/2/2022 - 23/2/2022
9	FDP on Synthesis, Characterization and Application of novel materials	Ramco Institute of Technology, Rajapalayam	5 days	2/8/2021 - 6/8/2021
10	Digital pedagogy: Online teaching, modes, Tools and Techniques	Bharathiyar University, Coimbatore.	7 days	23/6/2021 - 29/6/2021
11	FDP on 'Building Emotional Intelligence and Resilience Case Method of Experiential Teaching and learning'	Mahatma Gandhi National Council of Rural Education	7 days	08/05/2021 - 14/05/2021
12	FDP on e-contents and ICT tools for Innovative Teaching and Learning	RCP Universe group of Institutions, Roorkee	7days	1/05/2021 - 7/05/2021
13	Faculty Development Programme on Research Methodology	Kamla Nehru Maha vidyalaya, Nagpur	7days	26/04/2021 - 01/05/2021
14	SWAYAM ARPIT Course Online Refresher Course In "Chemistry For Higher Education"	S.G.T.B. Khalsa College, University of Delhi.	4 months	01/12/2020 - 31/03/2021
15	Workshop entitled ICT tools for Chemistry Teachers	S.G.T.B. Khalsa College, University of Delhi	1 day	22/2/2021 - 22/2/2021
16	FDP on Materials Science and Nano technology	B.S.Abdul Rahman Crescent Institute of Science and Technology	14days	3/8/2020 - 17/8/2020

17	FDP on Research Capacity Building	V.O.C. College, Tuticorin.	3 days	15/06/2020 - 17/06/2020
18	FDP on PYTHON Programming	Sona College of Technology, Salem	5 days	18/05/2020 - 22/05/2020
19	10 Days Online workshop for teachers	Universal Teacher Academy, Puducherry.	10 days	21/04/2020 - 30/04/2020
20	NSS ETI- Orientation Training	Avinashilingam University, Coimbatore	7 days	03.08.2016 - 09.08.2016
21	Workshop on Skill based subjects	Manonmaniam Sundaranar University, Tirunelveli	2 days	14.12.2009 - 15.12.2009

13. Seminars/Workshops/ Enrichment programmes organized

Sl.No.	Date	Name of the programme	Level
1	3/02/2025-04/02/2025	Workshop on Petroleum Analysis and Paint Manufacturing process & MoU Signing ceremony	College
2	12/04/2024	e-quiz on General chemistry for +2 Students	State
3	1/02/2024-02/02/2024	Workshop on Petroleum Analysis and Paint Manufacturing process & MoU Signing ceremony	College
4	23/03/2023	Guest Lecture on 'Hydrogen as a Fuel and its modern applications'	College
5	15/03/2022	Nanotechnology in medicine	College
6	13/10/2022	Workshop –Enrichment programme for +2Students	College
7	5/5/2022	e- Waste Management	College
8	22/09/2022	Guest Lecture on 'What is needed for Chemistry Graduates'	College
9	16/5/2021	Guest lecture on "COVID-19 Challenges and Youth"	College
10	29.06.2020	National Level Webinar On Fascinating Energies For Sustainable Environment	NATIONAL
11	31/01/2017	Guest lecture on " Principle and Applications of Fluorescence spectroscopy"	College
12	05/03/2017	Workshop on "Industrial process and bionano materials".	College
13	22/08/2016.	Guest Lecture on "Crude oil and its constituents"	College

14. Guest Lectures delivered in other institutions:

1. Chief guest and Acted as jury for the demo day / poster presentation of start ups event at Aditanar College of Arts & science, Tiruchendur on 20/08/2024.
2. Chief guest of the International women's day celebration at Dr. Sivanthi Aditanar College of education, Tiruchendur on 8/03/2024
3. Chief guest and delivered lecture on the topic "Application of nano science" at Dr. Sivanthi Aditanar College of engineering, Tiruchendur on 10/11/2023
4. Acted as jury for the science exhibition at Aditanar College of Arts & science, Tiruchendur on 24/08/2023

15. Other Academic services:

1. Attended MSU Staff Badminton Tournament in M.S. University Campus on 27/02/2020
2. Chief Examiner of M.S University paper valuation, Practical Question paper setting, Chief examiner, Additional examiner and external practical examiner,
3. Evaluator, Question paper Setter and external practical examiner of various Autonomous Colleges.
4. Served as a NSS PO Unit No. 50 Conducted so many Activities (Eye camp, Blood donation camp, medical checkup, Aadhaar updation camp, young voters enrollment, tree plantation, awareness rally, cleaning drive, awareness camp etc.,) and **Three NSS Special Camps** for seven days.

Sl. No	Nature of the Service	Institution /University	Duration		Years of Experience
			From	To	
1	NSS PO Unit No. 50	Manonmaniam Sundaranar University, Tirunelveli	1/01/2021	3/6/2025	3.2
2	Red Ribbon Club	Manonmaniam Sundaranar University, Tirunelveli	1/01/2021	3/6/2025	3.2
3	Red Ribbon Club	Manonmaniam Sundaranar University, Tirunelveli	1/02/2015	31/8/2018	3.5
4	NSS PO Unit No. 49	Manonmaniam Sundaranar University, Tirunelveli	1/02/2015	31/8/2018	3.5

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