

Faculty Profile



1. **Name** : *Mrs. S. Malathy*
2. **Designation** : *Associate Professor of Chemistry*
3. **Department** : *Chemistry*
4. **Age & DOB** : *58 yrs & 31.07.1963*
5. **Date of first appointment** : *22.08.1986*
6. **Date of joining in govt. service** : *22.08.1986*
7. **Educational Qualification**

Degree / Diploma / Certificate	Subject	Name Of The Institution	Year Of Passing	Remarks
B.Sc	Chemistry	Seethalakshmi Ramaswami college, Trichy.	1983	First Class
M.Sc	Chemistry	Seethalakshmi Ramaswami college, Trichy.	1985	First Class
M.Phil	Chemistry	Bharathidasan University, Trichy	1987	First, Highly commended
Ph.D	Chemistry	Bharathidasan University, Trichy	-	Synopsis submitted

8. Academic/Teaching Experience

S. No.	Institution	From – To
1.	A.D.M.College for Women (Autonomous), Nagapattinam	22.08.1986 to till date

9. **Area of specialization** : *Supramolecular Chemistry*

10. **Area of Research Interest** : *Inorganic Chemistry*

11. **Research Guidance** : *M.Phil Guided -04*

12. Academic Honours and Awards

1. Senthamizh sudar award at the “seventh International Conference on Historic Tamil” May 29, 30th 2011.
2. Savithiribai Phule **Best Teacher Award** for the Achivement in the field of education awarded by the Lions club international , Nagapattinam on 29.9.2019

13. Seminars/Conferences/Workshops Organized

S. NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	Resource Person UGC sponsored Refresher course in chemistry	Academic Staff College, Bharathidasan University, Trichy	25.10.10 & 26.10.10.
2.	Chairperson International conference on cutting edge research in chemical sciences	PG & Research Department of Chemistry, Poompuhar College, Melaiyur	19.09.2019

3.	Served as a Judge for Inspire Exhibition	Organised by Tamil nadu State council for Science & Technology, Chennai and conducted by CEO, Nagapattinam	15.10.2010 & 2015
4.	Acted as member of <i>Academic audit</i> for the Chemistry department	A.V.C College, Mayiladuthurai	26.03.2019 & 14.03.2020.
5.	Regional Symposium on Environmental impact assessment and control	PG & Research Department of Chemistry, A.D.M. College for Women (Autonomous), Nagapattinam	02.09.2004 & 03.09.2004
6.	DST, CSIR, BRNS, IACT, and TANSHE sponsored National Seminar on Instrumentation Techniques applied to Chemical Sciences	PG & Research Department of Chemistry, A.D.M. College for Women (Autonomous), Nagapattinam	02.04.2009 & 03.04.2009
7.	International chemistry Olympiad	PG & Research Department of Chemistry, A.D.M. College for Women (Autonomous), Nagapattinam	04.04.2009
8.	UGC and CRSI sponsored National Conference on Green Chemistry and its Global Perspectives	PG & Research Department of Chemistry, A.D.M.College for Women (Autonomous), Nagapattinam.	08.03.2013 & 09.03.2013
9.	Tamilnadu state council for science and technology sponsored Programme on Application of Science and Technology in Rural Areas	PG & Research Department of Chemistry, A.D.M.College for Women (Autonomous), Nagapattinam	05.02.19 & 08.02.19
10.	“One day Workshop on Radioactivity “ in collaboration with Indira Gandhi Centre for Atomic Research , Kalpakkam	PG & Research Department of Chemistry, A.D.M.College for Women (Autonomous), Nagapattinam.	14.12.2019
11.	Special lecture on the topic “ A Simple perspectives of Sweet Chemistry	PG & Research Department of Chemistry, A.D.M.College for Women (Autonomous), Nagapattinam.	24.02.2021
12.	National Webinar on Advanced CSIR & NET Preparation tools and techniques	PG & Research Department of Chemistry, A. D. M College for Women, Nagapattinam	19.03.2021
13.	National Webinar on Research Methodology : Methods & Techniques	PG & Research Department of Chemistry, A. D. M College for Women, Nagapattinam	07.05.2021

14. Membership in Academic/Professional Bodies:

1. **University representative** for the Board of Studies of Department of chemistry, Poombuhar college, Poombuhar.
2. Life member of Indian Association of Chemistry Teachers
3. Chairman of board of studies of chemistry from 2015 onwards

15. Campus Leadership:

1. NSS - 1986-1987
2. YRC Co-coordinator - 1997 -1999

3. Career guidance & Placement cell coordinator - 2004 - 2006
4. USSC Co-coordinator - 2006-2012
5. IQAC Co-ordinator - 2014 to 2016
6. Head of the Department of Chemistry from 2015 onwards
7. Coordinator – NAAC Criterion- I

16. Seminars/Conferences/Workshops attended

S.NO	PROGRAMME	ORGANIZED BY	DATE
1.	Seminar on Evolution of Quantum Mechanics	UGC	Department of Chemistry, A.D.M.College, Nagapattinam 29 February 1992.
2.	National seminar on Intellectual property rights- Present Necessities and Responsibilities.	UGC	Bharathidasan university Tiruchirapalli 09.12.2002
3.	Regional Symposium on Environmental impact, assessment and control	UGC	Department of Chemistry, A.D.M.College, Nagapattinam 2-3 September 2004
4.	National seminar on recent trends in micro controller and revolution in embedded information processing	UGC	Department of Physics, A.D.M.College, Nagapattinam 3 rd -4 th September 2004
5.	Two days seminar on Environment and its impact in the global context	UGC	Department of Chemistry, A.D.M.College, Nagapattinam 16-17 September 2004
6.	State level seminar on Coastal ecosystem	UGC	Department of Zoology, A.D.M.College, Nagapattinam 10-11 th September 2004
7.	National Seminar on Mathematical modelling to social and managerial problems	UGC	Department of Maths, A.D.M.College, Nagapattinam, SEP-24-25, 2004.
8.	Workshop on curriculum development and evaluation techniques	UGC	A.D.M.College., Nagapattinam, 16.03.2006 & 18.03.2006
9.	Two days Workshop Workshop on Educational Technology and E- content Development	UGC	A.D.M.College., Nagapattinam 20 th & 21 st December 2006
10.	National Seminar on Disaster management- issues and challenges	UGC	Department of Commerce, A.D.M.College, Nagapattinam March 21-22, 2006.
11.	Regional workshop on Strategies and techniques of teaching communication skills to the rural learners	UGC	Department of English, A.D.M.College, Nagapattinam July 23-24, 2007.
12.	National Seminar on Extensive dimensions in chemistry	UGC	Dhanalakshmi srinivasan college of arts and science for women

			Perambalur- 28 th -2008
13.	International conference on coordination and organometallic chemistry.	UGC	Department of Chemistry Bharathiar university Coimbatore 19-20 March 2009.
14.	National seminar on “Instrumentation techniques applied to chemical sciences”	DST, CSIR, BRNS, TANSHE & IACT	A.D.M College for Women., Nagapattinam, 02& 03 April 2009.
15.	National Worksho on Schloarly Information Access	UGC	Bharathidasan university Tiruchirapalli 23 rd & 24 th October 2009.
16.	National Conference on Recent Advances In Inorganic Chemistry	UGC	Bharathidasan university Tiruchirapalli 22 to 24 March 2012.
17.	Short term course/ Workshop	UGC	UGC – Academic staff college, Bharathidasan university Tiruchirapalli 26 to 28 March 2012.
18.	One day Workshop Quality Enhancement And Sustenance In Higher Education	UGC	A.D.M.College, Nagapattinam 2 nd February 2013
19.	National conference on Green chemistry and its global perspectives	UGC & CRSI	A.D.M College for Women., Nagapattinam,8-9 March 2013
20.	One day seminar U class infrastructure	UGC	A.D.M College for Women., Nagapattinam , 23 rd August 2014
21.	One day seminar Quality Assurance,Assessment And Accreditation	UGC	A.D.M College for Women., Nagapattinam ,8 th February 2014
22.	Staff Development Programme on Quality assessment in Higher Education	UGC	A.D.M College for Women., Nagapattinam ,29 th August 2015
23.	Seminar on Research consultancy & Teaching Learning & Evaluation	UGC	A.D.M College for Women., Nagapattinam , 24 th January 2015
24.	National seminar on “ Environmental concerns reflected in indian writing in English”	UGC	A.D.M College for Women., Nagapattinam, 10-11 April 2014

25.	National symposium on “X ray Diffraction and recent advances in Crystallography”	-	Department of physics, school of Sciences, Periyar university Salem, 27-28 Feb 2015
26.	Short Term Course on Disaster Management	UGC	Bharathidasan university Tiruchirapalli 26 rd to 28 th March 2012.
27.	National Symposium on Education and Health: A Roadmap for a Sustainable Future	UGC	Avvaiyar Government College, Karaikal on March 19 to 20 2015
28.	English communication and classroom management Jade training resources, Bangalore	-	A.D.M College for Women(A), Nagapattinam. 13 & 14 Aug 2019
29.	Oneday Workshop on Radioactivity in collaboration with Indira Gandhi Centre for Atomic Research, Kalpakkam.	IANCAS	Department of Chemistry, A.D.M College for Women(A), Nagapattinam. 14. 12. 2019
30.	Oneday Seminar on NAAC- Overview and Functioning of IQAC	-	A.D.M College for Women(A), Nagapattinam. 15.02.2020
31.	Two days workshop on birami stone practice	-	Department of Tamil, A.D.M College for Women., Nagapattinam, 12.09.19 & 13.09.2019.

15. Orientation/Refreshment Courses

S. NO.	PROGRAMMES	THEME	ORGANIZED BY	YEAR
1.	Orientation Course	Teaching Aids Novel: Teaching	ASC, Bharathidasan University, Trichy	23.11.1987 – 19.12.1987
2.	Refresher Course	Physical Methods in Chemistry	ASC, Bharathidasan University, Trichy	23.11.1993 – 20.12.1993
3.	Refresher Course	Organic and Natural Products	ASC, Bharathidasan University, Trichy	22.10.1998- 18.11.1998
4.	Orientation Course	Computer Applications in Chemistry	ASC, Bharathidasan University, Trichy.	06.02.2002- 09.02.2002
5.	Refresher Course	Scientific Tamil	Tamil University, Thanjavur.	04.09.2003- 24.09.2003

16. Papers Presentation

INTERNATIONAL CONFERENCE - PAPERS PRESENTED

S. No	Name of the Seminar/Conference / Symposia workshop, etc.,	Title of the Paper	Place and Date
1.	International Conference in Tamil Tamil Ayya kalvi kazhagam	Maraimalai adikal varalaru	Department of tamil, A.D.M.College, Nagapattinam 29-30 May 2009
2.	International Conference on advances in engineering, science and management	Chemical studies on Vitex Negundu	EGS Pillay Engineering College, Nagapattinam and 30 th and 31 st March.2012
3.	International conference on chemical and environmental research (ICCER-2017)	Synthesis and spectral studies of metal organic complexes	Jamal Mohamed College, Trichy on 07.01.17
4.	International conference on advanced chemical and structural biology ,	Supra molecular organization in co- crystals of 4,4' bipyridine with sorbic acid and 3 –nitrophthalic acid.	Prist University, Chennai on 19.02.19 & 20.02.19
5.	International conference on Emerging trends & innovations in chemistry	Synthesis and spectral characterization of β - amino ketone from chalcone.	Sengamalacthayar education Trust., Mannargudi on 20.08.2019
6.	International conference on cutting edge research in chemical sciences	Supramolecular architecture of 4,4'- bipyridine chloroacetic acid co- crystals.	PG & Research Department of Chemistry, Poompuhar College, Melaiyur on 19.9.19.
7.	5 th International Conference on Chemical and Environmental Research (ICCER-2020)	Synthesis and spectroscopic studies on copper and lead complexes	PG and Research Department of Chemistry, Jamal Mohamed College, Trichy on 08.01.2020.
8.	International conference on Recent advances in materials science (ICRAMS- 2020)	Crystal growth and characterization of transition metal complexes.	Central University, Tiruvarur on 25.02.2020.
9.	International webinar Chemical and environmental research (virtual)	Crystal growth and characterization of pyrimidine derivative via chalcone	Department of chemistry, JMC college Trichy, 12.11.20

NATIONAL CONFERENCE -PAPERS PRESENTED

S. No	Name of the Seminar/Conference / Symposia workshop, etc.,	Title of the Paper	Place and Date
1.	National seminar on Intellectual property rights-present Necessities and responsibilities.	Analysis of total organic carbon and nitrogen in soil	Bharathidasan University,Trichy 9 th December 2002
2.	State level seminar on Coastal Eco-system	i)Dissolved Oxygen and CO ₂ in stagnant water in and around Nagapattinam. ii) Soil and water analysis in the coastal area	Department of Zoology, A.D.M.College, Nagapattinam -2004 SEP-16-17 th
3.	National Seminar on Instrumentation techniques applied to chemical science	i)Crystal growth &Characterization of Co(II) complex &Tryptophan ii)Study of physico chemical properties of drinking water in and around Nagapattinam.	Department of Chemistry, A.D.M.College, Nagapattinam April 2-3 2009
4.	Nations Conference on Green Chemistry and its global perspectives	Chemical constituents of pongamia glabra	A.D.M.College, Nagapattinam 8&9 th march 2013
5.	National Symposium on X-ray diffraction and recent advances in Crystallography	Hydrogen bonding patterns in sulfa methoxazolium 3,5 – dinitrosalicylate	Periyar University,selam. 27 & 28 th Feb 2015,
6.	National seminar	Environmental concerns in Rabindranath Tagore's poems.	Department of English, A.D.M.College, Nagapattinam on April 10&11th 2014.
7.	National Conference on Crystal Structure of 4,4'-Bipyridine sorbic acid(1:1) co-crystal	Research Advances in Material Science and Applications	Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Chennai 19 th & 20 th August 2016
8.	National Conference on Crystal Structure and supramolecular packing of 2,2' Bipyridinium Tetrachloro Mercurate II	Research Advances in Materials Science and Applications	Department of Chemistry, Bharathidasan Institute of Technology, Anna University, Chennai 19 th & 20 th August 2016
9.	National conference on Modern Trends in chemistry	Preparation , spectral characterization and bond gap energy of phenylhydrazone of acetophenone (Received first prize for best	Sengamalacthayar education Trust., Mannargudi on 20.12.2017

		paper award)	
10.	National conference on Recent development in chemistry	Studies on synthesis and characterization of metal complexes	Jamal Mohamed college, Trichy. 20.01.2018
11.	National conference on Advances in chemical sciences	Cobalt Schiff base complex – synthesis characterization by spectral and thermal studies	Poompuhar college, Melaiyur on 06..04.2019
12.	National conference on Emerging trends in basic and applied sciences (ETBAS- 2020)	Synthesis and structural investigation of mixed ligand complexes of Cadmium (II).	T.B.M.L. College, Porayar on 06.02.2020.
13.	Twoday seminar current needs of marine food processing and preservation technology	The importance of Sea food additive	Department of Zoology, A.D.M College for Women(A), Nagapattinam.13-14 Mar 2020

17. Papers Publication

Articles published in International Journals

S.NO	NAME OF THE JOURNAL	TITLE OF THE PAPER	YEAR, PAGE NO & IMPACT FACTOR
1.	Acta crystallographica	2 amino 4.6 dimethyl pyrimidin 1- ium 2,3,5 – triiodo benzoate 2,3,5 tri iodo benzoic acid monosolvant	2011, E-67,3241 published by American chemical society .
2.	Acta crystallographica	Cryatal structure of 4 (5- methyl isoxazol -3yl) amine sulfonyl anilinium 3,5 dinitro salicylate	2015 E, 71, 618- 620 ISSN : 2056- 9890
3.	European journal of Biomedical and Pharmaceutical	Studies on Synthesis and Characterizaton of Metal Complexes.	ISSN – 2349-8870, Vol – 5 Page No : 831-833 Impact Factor – 4.9 Date of Accepted 17.01.2018
3.	European journal of Biomedical and Pharmaceutical	Preparation, Spectral characterization band gap energy 2- Nitrobenzylidene of Toluidine	ISSN – 2349-8870, Vol - 5 Page No : 826-830 Impact Factor – 4.9 Date of Accepted 17.01.2018

18. Any Other

i) **Books – Chapters published : 02**

ii) **Extension Activities**

1. Acted as Selection Committee Member for the post of Science teacher in Natrajan Dhamayanthi Hr. Sec. School, Nagapattinam, on 03.09.16.
2. Acted as Selection Committee Member for the post of Assistant Professor of chemistry in A.D.M.C,Nagapattinam on 20.6.18.
3. Conducted awareness programme on “Save water Save earth”in connection with World water day celebration at Panchayat middle School, Nagapattinam on 13.3.18
4. Conducted Food Adulteration awareness programme on 3.3.20 at Panchayat Middle School, Anthanapettai.
5. Women centred programme on the topic Anti- Dowry system and Domestic violence in family is conducted on 10.3.20.
6. M.Phil Chemistry-External examiner for Sep 2009, June 2018, Oct.2019, Feb 2020, Feb.2021., at A.V.C .College, Mayiladuthurai
7. Sep 2008, Sep 2009, at A.V.V.M Sri pushpam college, Poondi.
8. Sep 2007, July 2008,Aug 2011, Aug 2013, May 2015, May 2017, Aug 2018, May 2019, May 2020 at T.B.M.L.College, Porayar.
9. Aug 2018, Aug 2020 at E.G.S Pillay Arts & Science college., Nagapattinam.
10. Chairman & Chief Examiner for B.Sc chemistry Board in Bharathidasan University, Trichy.

ONLINE FACULTY DEVELOPMENT PROGRAMME

S. No	TOPIC	ORGANIZED INSTITUTION	DATE
1.	Five day online Faculty Development programme on “Evolution from offline to Online Teaching.	Satish Pradhan Dnyanasadhana college, Thane.	30.05.2020 to 03.06.2020
2.	National Level one week Faculty Development programme on Research Methodology	A.D.M.College for Women (Autonomous), Nagapattinam	26.04.2021 to 01.05.2021
3.	Advanced science and Technology	SRM Institute of science and Technology, Ramapuram campus, Chennai	05.05.2021
4.	Three days National online faculty development programme on ICT Tools for effective teaching learning	Organized by IQAC Kamla Nehru Mahavidyalaya, Nagpur	08.06.21 to 10.06.21

5.	Applied chemistry: A Catalyst for Scientific Transformations	Lavoisier's Association, Department of chemistry, Faculty of science, SGT University	23.08.2021 to 28.08.2021
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ONLINE WEBINAR DETAILS

TOPIC	SEMINAR / WEBINAR	ORGANIZED INSTITUTION	DATE
International Webinar on "Trends in Biochemistry,	International	Indian academy degree college., Bengaluru.	3.5.2020
Two days national webinar on "Open educational Resources and research metrics"	National	A.D.M College for Women., Nagapattinam	5 th & 6 th May 2020
International webinar on Multiplicity in emerging tamil literature"	International	A.D.M College for Women., Nagapattinam.	6.5.2020 to 11.5.2020
National Webinar on "Interface between Chemistry and Environment"	National	Dr. Shyama Prasad Mukherjee university.,	10.5.2020
National webinar on Chemistry Series- I	National	The American College .., Madurai.	15 & 16 May 2020
Webinar on tamil online	Webinar	A.D.M College for Women., Nagapattinam	20.5.2020
Webinar on " Chemistry through IT- aLight house to chemist"	Webinar	Bhaktavatsalam memorial college for women., Chennai.	20.5.2020
Webinar on Energy, Energy every where, How to harness it?	Webinar	V.O. Chidambaram college., Thoothukudi.	21.5.2020
International webinar on materials for "Energy, Environments and healthcare applications"	International Webinar	The Gandhigram Rural Instutute.	May 21-22., 2020
Virtual International webinar on Smart Topics in Chemistry.	International	Government Arts and College., Trichy.	22.5.2020
Webinar on "Electro analytical Techniques"	Webinar	The American College .., Madurai.	24.5.2020
National webinar on "Intellectual curiosity of learning and research"	Webinar	A.D.M College for Women., Nagapattinam	25.5.2020
Workshop on application of Mixed Methodologies in Social	Workshop	St. Claret College.,Bengaluru.	27.5.2020

work Research.			
Webinar on “Metal Complexes to Metal Nano particles for efficient catalysis”	Webinar	Sastra College., Thanjavur.	28.5.2020
National webinar on Modern technologies in life sciences.	Webinar	Mass College of arts and Science., Trichy	28 & 29 May 2020
International webinar on “Current applications of N.M.R Spectroscopy”	International	Tirunelveli Dakshina mara nadir Sangam College.Tirunelveli.	29.5.2020
Webinar on A stroll through the mystical Quantum Mechanics.	Webinar	Bhaktavatsalam memorial college for women., Chennai.	29.5.2020
International webinar on Chemistry.	International	The American College ., Madurai.	29.5.2020
International Webinar on “Recent trends in applied sciences.	International	Virudhunagar hindu nadars senthikunara nadir college., Virudhunagar.	29 & 30 May 2020
Webinar on Data Visualization.	Webinar	V.O. Chidambaram college., Thoothukudi.	30.5.2020
Webinar on “Peaceful application of Radioisotopes”	Webinar	Dwaraka doss vaishnav college., Chennai.	30.5.2020
International webinar on “Nano –The tiny warrior” – Engineering nanomedicine and drug delivery system.	International	Kongu engineering college., Erode.	30.5.2020
Webinar on Graphane based Nano composites for energy storage.	Webinar	V.O. Chidambaram college., Thoothukudi.	01.06.2020
Two days webinar on Covid19 : Challenges and Implications for senior citizens care.	Webinar	Bharathidasan University., Trichy.	02&03 June 2020
Webinar on “Marvels and Mysteries of the Universe”	Webinar	Popes College., Sawyerpuram	09.06.2020
Webinar on “Drug design & Development”	Webinar	Sapthagiri College of Engineering., Bengaluru.	10.6.2020
International webinar on “Porous carbon-based nanocomposite for energy storage and sensing” & “Chemical Biology of covid – 19”.	International	Jayaraj Annapackiam College for women., Periyakulam.	11 & 12 June 2020
Webinar on “ Research Proposal Writing: Opportunities , Challenges and Mytbs”	Webinar	Sri Krishna institute of technology.	12.06.2020

International Webinar on “ Applications to Electrochemical Sensors and Nano Solar cells.	International Webinar	Dr. R.K . Shanmugam college of arts and science., Kallakuruchi..	30.6.2020
International Conclave	Contemporary the new Paradigm Shift –II Series	IQAC, Rajdhani College, University of Delhi, India.	27.02.2021 to 28.02.2021
National webinar	Advanced CSIR & NET Preparation tools and techniques	Department of Chemistry, A. D. M College for women, Nagapattinam	19.03.2021
Research Methodology: Methods and Techniques	National Webinar	A.D.M.College for Women (Autonomous), Nagapattinam	07.05.2021
Essential of IPR	Webinar	SRM TRP Enginerring College Trichy	07.06.2021
Solving challenging in problems in chemistry using computational chemistry and machine learning	National Webinar	American college ,Madurai	14.06.2021
NAAC Revised frame work	National Webinar	AAdhyapana,Bangalore.	10.06.2021
Recent Advances in Emerging 3D Nanomaterials for Real-World Energy Technlogies	International Webinar	T.B.M.L College,Porayar	26.06.2021
Recent Advances in Chemical ,Physical and Biological Sciences	International E-conference	Department of Chemistry, Nabira Mahavidyalaya, Kotal & Association of Chemistry Teachers (ACT),c/oHomi Bhabha Centre for Science Education, Mumbai.	29.06.2021 & 30.06.2021
Multi functional Advanced materials	Virtual International conference	JVM’S Degree college,Maharashtra.	09.08.2021 to 10.08.2021
International e- Conference on Sustainable and Futuristic Materials (SFM-2021)	Webinar	International Research Centre and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnakoil, J.M.Patel Arts, Commerceand Science College, Bhandara &Kamla Nehru Mahavidyalaya, Nagpur	29.11.2021 & 30.11.2021
Indigenous Technologies (for self Reliant India)	Science Festival Webinar	Government of India Ministry of Science and Technology, TNSCST	08.12.2021