

## RESUME

Name : Dr. G. VANMATHI  
Department : Chemistry  
Designation : Assistant Professor  
Category : Aided  
Phone No : 9486221402  
Email Id : gcvanmathi@gmail..com  
Date of Birth : 14.06.1965  
Date of Joining : 16.06.2008  
Date of Retirement : 30.06.2023



### QUALIFICATION:

Sr.	Category	Name of the Degree	Specialization	Year of Passing	Name of the College/University	% of Marks / Grades Obtained	Class Obtained
1	UG	B.Sc	Chemistry	1985	Seethalakshmi Achi College for Women, Pallathur, MK Univ	92 %	Distinction
2	PG	M.Sc	Chemistry	1987	The American College, Madurai, MK University	67%	First Class
3	Ph.D	Ph.D	Chemistry	2001	Manonmaniam Sundaranar University, Tirunelveli		Degree Awarded
4		CSIR - UGC NET	Chemistry	1989			Qualified for College Teaching
5		B.Ed	Chemistry	1992	Annamalai University, Chidambaram	61 %	First class

**Academic Experience:**

Name of the College	Whether Aided/SF	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Dr SIVANTHI ADITANAR COLLEGE OF ENGINEERING, TIRUCHERNDUR	SF	Senior Lecturer and Head /CHEM	2.7.2001	13.6.2008	7	0	9
Kamaraj College, Tuticorin	Aided	Assistant Professor	16.6.2008	Till date	12	4	-
				Total	19	4	9

**Administrative / Other Position held:**

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Central Electrochemical Research Institute, Karaikudi	JRF & SRF	Assembling & Testing Batteries	1.12.1987	8.3.1991	3	4	-
Central Electrochemical Research Institute, Tuticorin	Project Assistant	Monitoring of Pollution the Coastal and Ocean of Gulf of Mannar	20.3.1991	30.5.1997	6	2	-
AGSAR Paints (p) Ltd., Tuticorin	Head, R & D	Quality control , ISI Testing of Paints	1.6.1997	31.7.2001	4	2	-
				Total	13	8	

**Minor / Major Projects completed:**

Sr.	Project Title	Duration	Funding Agency	Total Cost Rs
1	<b><i>Studies on Development of Electron Beam Treated Heterogeneous Catalyst suitable for Organic Synthesis</i></b>	3 years April 2012 - March 2015	DAE, BRNS, Mumbai	23,50,000

2	Training and Orientation of college NSS Volunteers as Water Educator Fellows for conserving Fresh water Reservoirs along the coastal Belt of Gulf of Mannar - Assignments for Community Services."	2 years April 2015 To March 29, 2020 2017	NCSTC, DST, New Delhi	9,60,000
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Books/Reports/Chapters/General articles etc.:

S. No.	Title	Author's Name	Publisher	Year of Publication
1.	Teaching How To Teach? – A Modelistic Approach	S. Hema, P.T. Arasu and G.Vanmathi	<i>School Science</i>	2004
2.	Dioxin – A Persistent Organic Pollutant of the 21 <sup>st</sup> Century	P.T. Arasu, S. Hema and G. Vanmathi	<i>Agrobios News Letter</i>	2004
3.	Acid Rain – Causes, Effects and Control Measures	S.Hema, P.T.Arasu and G.Vanmathi	<i>School Science</i>	2005

Writing Science Articles in Daily Thanthi which is published in their 4 th page having world wide circulation reaching one crore readers. The articles are given below:

1. Protection of Ozone Layer - June 16, 2018
2. Hydrogen Car - Jul 24, 2018
3. Corrosion prevention of Metals - May 21, 2019

**Papers Published:**

Sr .	Name of the Author	Title of the Paper	Name of the Journal	Year	Vol. No. Issue No.	Page No	Imp act of Factor
1	G. Vanmathi, U.P.Senthilkumar and B. Suresh	Modifying the Catalyst by Energising through Electron Beam Irradiation for effecting Organic Transformations	<i>International Journal of Chem Tech Research</i>	2014	6	5291–5297	
2.	G.Vanmathi and	Heavy Metals	Indian J. Environmen	2000	20	447 - 451	

	S.Gopalakrishnan	in Tuticorin Coast	tal Protection				
3	K. Murugan, G. Vanmathi and S. K. Rangarajan	Characterizing the early stages of electrochemical phase formation of lead Sulphate film	<i>J. Elec. Chem. Soc.</i>	1995	142	1970 - 1976	
4	G. Vanmathi, Sheela Berchmanns, Kanakam Srinivasan and A. R. Venkataraman.	Cyclic voltammetric oxidation of <i>para nitro benzaldehyde</i>	<i>Bull. Elec. Chem. Soc</i>	1990	6	889 - 890	
5	G. Vanmathi and P.V. Vasudeva Rao	Hydrogen evolution studies on lead-antimony-cadmium alloys in gelled and flooded sulphuric acid electrolyte.	<i>Bull. Elec. Chem. Soc</i>	1990	6	414- 415	

**Conference / Seminar / Workshop / Orientation / Refresher Course / Symposia / Training Programme Attended:**

Sr.	Theme	Place	International / National / State Level	Year	Resource Person / Paper Presentation / Participation
1.	International conference on "Advanced Materials and their Applications (ICMA - 2019)"	VOC College, Tuticorin	International	Dec. 13, 2019	Chair Person
2	International Seminar on "Advanced Materials - AM 2019"	MK University Madurai	International	Sep 23 2019	Participation
3	NPTEL - SWAYAM	MS University Tirunelveli	National	Jul 19 2019	Participation
4	Training Programme on "EAT Module of Public Financial Management System ( PFMS ) for HEI's"	Loyola College, Chennai	National	Mar 10 2019	Participation

5	Workshop on “ Public Financial Management System (PFMS) with special reference to EAT Modules”	VHNSN College Virudhunagar	State	Aug 7 2018	Participation
6	Conference on Frontier Areas in Chemistry, ICFAC 2018”	The American College, Madurai	International	Jul 17 - 19 2018	Participation
7	DST Group Monitoring Workshop for the INSPIRE Internship Science Camp Organizers”	Univ of Sci & Tech Meghalaya	National	Jun 25- 26 2018	Presentation
8	DST – SERB sponsored Two Day National Seminar on Seaweed Mariculture – “A Prospective Biotechnology for Coastal Economy”	Kamaraj College Tuticorin	National	Oct 5 - 6 2017	Participation
9	Department of Science and Technology “ Group Monitoring Workshop for the INSPIRE Internship Science Camp Organizers”	Sri Venkateshwar a Univ, Tirupati	National	Aug 26 - 27 2017	Participation
10	Refresher Course in the Subject “Chemistry”	UGC, HRDC Bangalore Univ Bangalore	National	Feb 20 - Mar 13 2017	Participation
11	“Effect of Chitosan and $V_{2}O_5$ on Photocatalytic degradation of Organic Dyes using PVC/ $TiO_2$	BARC, Mumbai	National	Dec 6 - 10 2016	Presentation
	Nano composites ” in the 6 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry				
12	“Electron Beam Treated Heterogeneous Catalysts For Organic Synthesis” in the 6 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry	BARC, Mumbai	National	Dec 6 - 10 2016	Presentation
13	“Training of Trainers (TOT) on Social Harmony, National Unity and Human Rights for NSS Programme Officers”	Bharathiar Univ. Coimbatore	National	Sep 8 - 12 2016	Participation

14	"Catalytic Study of Electron Beam Irradiated Pd/C on Aromatic Nitro Compounds" in the International Conference on Functional Materials	PSN College of Engg. Tech., Melathudiyoor	International	Sep 7 - 10 2016	Presentation
13	"Effect of Electron Beam Irradiation of Pd/C in the Reduction of Chalcones" in the International Symposium on Recent advances in Chemistry	North Eastern Hill Univ, Shillong	International	Mar 3 - 5, 2015	Presentation
14	Modifying the catalyst by energizing through Electron Beam Irradiation for effecting Organic Transformations - National Conference on Materials for Energy Storage and Conversion" MESCon - 2014	PSN College of Engg. Tech., Melathudiyoor	National	Sep 4 - 5, 2014	Presentation
15	31 <sup>st</sup> IARP Conference - 2014 "Advances in Radiation Measurement Systems and Techniques	BARC, Mumbai	International	Mar 19 - 21 2014	Participation
16	<b>Orientation course</b> for NSS PO of Univ/DOTE	Avinashilingam Deemed University, Coimbatore	State	Jul 24 - 30 2013	Participation
17	Workshop on Modern Trends in Chemistry	Vivekananda College, Tiruvenkadam	National	Feb 22 - 23 2013	Participation
18	Workshop on Modern Analytical Techniques"	National College Trichy	National	Feb 18 - 20 2013	Participation
19	4 <sup>th</sup> Science Conclave - 2011 With Nobel Laureates	IIIT, Allahabad	National	Nov 26 - Dec 2, 2011	Participation
20	National Conference on "Role of chemists in Advanced Chemistry RCAC - 2011	AJ College Sivakasi	National	Jul 25 - 26 2011	Participation
21	Seminar & Workshop on "Recent Trends in Chemistry	PSN College of Engg. Tech., Melathudiyoor	National	Mar 18 -19 2011	Participation

22	Maithryam – A college teacher's meet with Industry, nurturing partnership an Industry – Institutions Interface	Orchid Chemicals & Pharmaceuticals Ltd, Chennai	National	Feb 2, 2011	Participation
23	Growth and characterization of pure and doped zinc – thiourea crystals - National Conference on Advanced Materials – NCAM 2010	PSN College of Engg. Tech., Melathudiyoor	National	Aug 25 - 27 2010	Presentation
24	A study on the impact of Tsunami on the ground water table at Bryant Nagar, Tuticorin- National Symposium on Recent Developments in Environmental Science & Technology – NEST 2011	SARAL Resorts Courtallam	National	Aug 19 - 20 2010	Presentation
25	Bio Remediation for pollution control. X Tamil Science Congress	MS Univ, Tirunelveli	National	May 21 - 23 2010	Presentation
26	National conference on “Recent Trends in Chemistry	Jayaraj Annapackiam College for Women, Periyakulam.	National	Feb 18 - 19 2010	Participation
27	National Conference on Advanced Materials	PSN College of Engg. Tech., Melathudiyoor	National	Aug 27 - 29 2009	Participation
28	National Seminar on “Advancements in Corrosion Control”	Mepco Schlenk Engineering College, Sivakasi	National	Jul 30 - 31 2009	Participation
29	Microwave Oven Assisted Synthesis of Aspirin &	Ramakrishna Mission Vidhyalaya	National	Jul 22 - 23 2009	Presentation
	Phthalimide. National Seminar on “Recent Developments in Green Chemistry”	College of Arts & Science, Coimbatore,			
30	Refresher Course in Environmental Science”	UGC, ASC, Univ of Kerala Trivandrum	National	May 2009	Participation

31	Seminar on “ Recent Trends in Green Chemistry	Thiyagaraj a College of Engineerin g Madurai	State	Feb 20, 2009	Participation
32	Academy sponsored Lecture-Workshop Programmes in “ Advances in Chemistry ”	Aditanar College of Arts & Science Tiruchendur	State	Jan 2009	Participation
33	Orientation Programme ( IT Oriented)	UGC- ASC, Univ. Of Kerala Trivandrum	National	6.11.2008 to 3.12.2008	Participation
34	“Residual Pesticide analysis in Paddy Samples” - National Conference on “ Emerging Trends in Chemical Research	Annamalai University, Chidambara m	National	Oct 17 - 18 2008	Presentation
35	State Level Seminar on “ Computer Applications in Chemistry	Sri Kumara Gurupara Swamigal Arts & Science College, Srivaigunda m.	State	Sep 1-2 2008	Participation
36	Greener Agriculture using Bio- Pesticides - State Level Seminar on “ Role of Chemistry in Environmental Protection”	V. V Vanniamperum al College for Women, Virudhunagar	State	Aug 4- 5, 2008	Presentation

Other Relevant Information: Patent Filed:

Number of Indian Patents Filed : 01

Title : Palladium Based Catalyst with improved Activity

Patent Filing No. IN 201741033252

This is a Industry Patent in collaboration with Orchid Pharmaceuticals ( p) Ltd., Chennai. Presently it is in the Examination Stage.

Programmes Organised:

1. INSPIRE Internship Programme :

2. Acted as Programme Coordinator DST - INSPIRE Internship Programme :

Organised Eight INSPIRE Internship Science camps Since 2012, in Kamaraj College, Tuticorin as Follows:

November ; 2012 , 2013, 2014, 2015, 2016, Feb - 2018, Dec 2018, 2019

This is a Residential Programme conducted for Five days for each Camp. Nearly 175 Higher secondary school students participated and were benefited in each camp. We received good feedback from all Mentors, students and teachers. Many Government school students from rural areas were very much benefited. This Programme is funded by DST, New Delhi.

Funding Agency: Department of Science & Technology, New Delhi Fund Amount: Rs 9, 75, 000 per Camp.

3. Organised Training & Orientation Programme for NSS volunteers on “ Water Conservation” for Nine Days during October 19 to 27, 2015. This project was funded by NCSTC, DST, New Delhi.

4. Workshop conducted

Acted as Coordinator “Science Academies’ Lecture Workshop on “Recent Developments in Chemistry” sponsored by IAS, INSA, & NASA during Aug 22 – 23, 2017.

Funding Agency : IAS, INSA, & NASA, Bengaluru.

Fund Amount : 1.63 Lakhs

- Organised a Lecture on “ Heavy Water Board- An Overview, By Mr Chandramouli, Scientific Officer, HWP, Tuticorin ” as an event in Chemistry Association on Jan 29, 2019.
- Organised Fire Safety Programme conducted in Real Firing situation by Fire & Safety Department of Zirconium complex, Pazhayakayal on 10.4.2019 at Kamaraj College, Tuticorin. 100 B Sc Chemistry students, Faculty of Chemistry, Lab Technicians of Science Departments took part.
- Organised Industry Internship programme for Eight III BSc., Chemistry students for six days during Feb 3 - 8, 2020 at Ganga varnishes & Chemicals (p) Ltd, Pondicherry.
- Organised a Quiz Programme on “Industrial Safety” to B Sc Chemistry students conducted by Fire & Safety Division, Zirconium Complex, Pazhayakayal. This programme was conducted at Kamaraj College, Tuticorin on 17.2.2020. Around 50 BSc Chemistry students participated.

- ★ Advisory Committee Member in “Seaweed Mariculture” A Prospective Biotechnology for Coastal Economy” sponsored by DST, New Delhi, during Oct 5 to 6, 2017.

- ★ Organising Committee member in “Regional Seminar on Botanicals Entrepreneurship” on 23.2.2018, funded by The Tuticorin Education Society.

- ✓ Acted as Doctoral Committee member for the Research Centre, PSN College of Engineering, Melathudiyoar during Aug 2017, Nov 2017, Aug 2018 and Sep. 2018.
- ✓ Acted as Doctoral Committee member for the Chemistry Research Centre, Kamaraj College, Tuticorin during Oct. 2018.

### 3.4 Extension Activities:

As being NSS Programme Officer for seven years, have conducted a lot of Social Welfare activities. ( Jul 2011 to Jun 2017)

1. Adopted Kattunaickenpatti as our NSS Unit 's Adopted village. Conducted Three NSS Special camps in the year – 2015, 2016 & 2017. Served the villagers by conducting various Awareness programmes on Health & Hygiene. Promoted the awareness on Digital India, Clean Greener India. Promoted Entrepreneurship of Village Youth. Youth clubs were formed. Eye camp, Organ & Blood Donation camps, Dengue Awareness Programmes, Diabetes awareness, Women Health programmes were organized
2. Trees were planted in the premises of the village. Dust Bins were installed in Public places.
3. Rally on the “Needs and Methods of Water Conservation was conducted”
4. Visit to Orphanage Children Home and Old Age Home was undertaken periodically. Many welfare schemes were executed for their welfare.
5. Human Chain Rally on “ Voting Awareness, Vigilance Awareness etc” were also conducted.

#### Collaborations:

No. of collaborative activities for Students Exchange: 02

Our Institution has signed MoU with Ramakrishana Mission College of Arts & Science, Coimbatore. In this regard we have students exchange programme.

1. Nature of Activity: Our students Attended a Workshop on Recent Developments in Chemistry & Instrumentation  
Participants: III B.Sc Chemistry students – 38 No.s  
Source of financial support: Self supported and few students got money from Me.

Duration: Nov 26 – 29, 2016

2. Nature of Activity: The PG students from Department of Chemistry, Ramakrishana Mission College of Arts & Science, Coimbatore participated in the “Science Academies’ Lecture Workshop on “Recent Developments in Chemistry” sponsored by IAS, INSA, & NASA during Aug 22 – 23, 2017, organized by Dept. of Chemistry, Kamaraj College, Thoothukudi

Participants: PG Chemistry students – 5 No.s Source of financial support: Self supported Duration: Aug. 22 – 23, 2017.

#### Awards & Honours Received:

As a Reward to our Social Works, We received the following NSS Awards of MS University:

- Best NSS PO Award of MS Univ ( 2015 – 2016 )
- National Young Leader Programme Award ( 2015 – 2016, 5 th Prize)
- Best Volunteer Award – S. Suguna ( 2015 – 2016)
- Received Best NSS Unit Award ( Unit No. 146 ) of MS University- Unit 146 ( 2016 – 2017 )
- Best Volunteer Award of our NSS Unit – S. T. Pratheeba BSc Chem ( 2016 – 2017)

Received “Women achiever Award – 2018 ” of Manonmaniam Sundaranar University, Tirunelveli – For “Academic, Research, Sports & Extension Activities.

Summary of Awards:

Awards Received:

1. Women Achiever Award – 2018 with Cash Prize
2. National Young Leader Programme Award with Cash Prize
3. Best NSS Programme Officer Award
4. Best NSS Unit Award
5. Best NSS Volunteers Award

Recently Received a Special Prize of Honour from the General Manager, Zirconium Complex, Pazhayakayal for the Academic Achievements on March 7, 2020 in the National Safety Day Celebrations. This function was conducted at Zirconium Complex, Pazhayakayal.

- Facilitator in establishing MoU between Kamaraj College & Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore
- Organised Industry Visits for BSc Chemistry students
- Producing GOOD Results in all Batches > 90 %
- Organised two Industrial visits for III B Sc Chemistry students during 2008 & 2009
- Promoting Job opportunities to students – AGSAR Paints (p) Ltd, DCW, Poly Hose, Orchid Pharma Industry...
- Research coordinator in getting Research Centre for Dept. of Chemistry, Kamaraj College
- Coordinator in conducting Chemistry Alumni Association Meeting, Kamaraj College
- Promoting Students exchange programme between Chemistry Departments of Kamaraj College & Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore
- M Phil Guide for Bharathidasan Univ, Trichy.
- Acting as Doctoral Committee Member in Anna University
- Acted as DC Member for PSN College of Engg & Tech. Melathudiyoor for their Research Centre under Anna University, Chennai
- Coordinated the Visit to Spic, Tuticorin – “An Exhibition on Industrial Safety” on 6.3.2020. 45 numbers of III B Sc chemistry students visited the exhibition.
- Presently serving as MOOC’s Nodal Officer of Kamaraj College, Tuticorin since 3.7.2019

Special Guest Lectures Delivered :

1. Delivered a lecture on "Production & Quality control of Paints" in the Seminar on "Projects in Chemistry" at Aditanar College of Arts and Science, Tiruchendur during Jan. 2003
2. Delivered a Lecture on "Opportunities for Women Chemistry Graduates" in the Inter Collegiate Seminar on " Opportunities for Chemistry Graduates" held on 29.9.06, at John's College, Palayamkottai.
3. Delivered Guest Lecture on " Chemical Process in Small Scale Industries" in the Seminar  
" Frontier Areas in Chemistry " held at Aditanar College of Arts & Science ,Tiruchendur, on 23.2.09.
4. Delivered Guest Lecture on " Hydrogen Storage Devices – Metal Organic Frame works" as Mentor in the Chemistry Association meeting of Dep. Of Chemistry, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore on Feb 20, 2014
5. Delivered Guest Lecture on " Hydrogen Storage Devices – The Future Green Fuel" as Mentor in the National Seminar on "Green Chemistry: Perspectives and Challenges" at Pope's College, Sawyerpuram during Feb 25 – 26, 2014
6. Delivered a Guest Lecture in the Chemistry Association Meeting at Dept. of Chemistry, St Mary's College, Tuticorin on the Topic " Industrial Pollution & Prevention " on March 16, 2018.
7. Delivered a Guest Lecture on the Topic "Green Chemistry An Outlook " in the UGC sponsored National Seminar on conducted during March 23 – 24, 2018 at Pope's College, Sawyerpuram.
8. Delivered a Special Lecture on "Women Empowerment" at the Public meeting organised by IDFC First Bharat, Tuticorin on 18.7.2019 (FN)
9. Delivered a Special Lecture on "Role of Women in the Development of Clean & Healthy India" in the NSS Orientation Programme organised at St Mary's College on 18.7.2019 (AN )

The above informations are true to the best of my Knowledge.

Dr G Vanmathi

Asst Prof of Chemistry

Kamaraj College, Tuticorin

Principal

## Participations Symposia / Conference/ Seminar 1992 to 2008

1. Suitability of the waters of Gulf of Mannar for Aquaculture.  
S. V. Pragatheeswaran, S. Palanichamy, G. Vanmathi and K. S. A. Gnanasekaran.  
National Workshop on the impact of coastal Aquaculture on Environment, Fisheries College, Tuticorin, 25 – 26 Feb, 1992.
2. Pollution in the Gulf of Mannar.  
S. V. Pragatheeswaran, S. Palanichamy, G. Vanmathi and K.S.A. Gnanasekaran.  
International Symposium on Ocean Technology, National Institute of Oceanography, Goa, 27 – 29 Aug, 1992.
3. Preliminary studies of pathogenic bacteria in the Gulf of Mannar.  
S. Palanichamy, S.V. Pragatheeswaran, G. Vanmathi, S. Maruthamuthu and K. S. A. Gnanasekaran. 33<sup>rd</sup> Annual Conference of the Microbiologists Association of India, University of Goa, 5 – 7 Nov. 1992.
4. Environment of Gulf of Mannar and Palk Bay.  
K. S. A. Gnanasekaran, S. V. Pragatheeswaran, S. Palanichamy and G. Vanmathi. International Seminar on Energy, Electrochemistry and Environment, Karaikudi, 10 – 12 Feb, 1993.
5. Heavy metal distribution in the seaweeds of Gulf Of Mannar.  
K. S. A. Gnanasekaran, S. V. Pragatheeswaran, S. Palanichamy and G. Vanmathi. Colloquium on Enviro Tech – 93, Sri paramakalyani College, Alwarkurichi, 2-4 Apr, 1993.
6. Marine Resources of the Gulf of Mannar.  
G. Vanmathi, S. Palanichamy and K. S. A. Gnanasekaran. Second Tamil Science Congress, Kattangulathur, 6-8 Nov. 1993.
7. Trace metals in Tuticorin Coast.  
G. Vanmathi. National Symposium on Electrochemistry in Marine Environment, Madras, 7– 8 Feb, 1995.
8. Physico-chemical characteristics of Arumuganeri coast (Gulf Of Mannar).  
S. Palanichamy, G. Vanmathi, and K. S. A. Gnanasekaran. National Symposium on Electrochemistry in Marine Environment, Madras, 7 – 8 Feb, 1995
9. Distribution of Nutrients in the Gulf of Mannar.  
K. S. A. Gnanasekaran, S. Palanichamy and G. Vanmathi. International Conference and Workshop on Environmental Science, Trivandrum, 8 – 9, Jan 1996.

10. Biological characterization of Tuticorin coast.  
G. Vanmathi, S. Gopalakrishnan and M. Peter Marian. International conference on Advanced Technologies in Fisheries and Marine Sciences held during Feb.2001, N.I. College of Engineering, Thuckalai.
11. Culture of Artemia in the saltworks of Tuticorin District.  
G. Vanmathi and R. Chandramohan. National seminar on status of Artemia Research in India held during Mar 2002, ICAS, S.C. College campus, Nagercoil.
12. Teaching How To Teach? – A Modelistic Approach. S.Hema, P.Thillai Arasu and G.Vanmathi. Presented in the XXXIII Annual Convention and National Seminar on ISTE held at Kumaraguru College of Technology, Coimbatore during 27<sup>th</sup> - 30<sup>th</sup> Dec. 2003.
13. Dioxins: A known Carcinogen of the 21<sup>st</sup> Century. P.Thillai Arasu, S.Hema and G.Vanmathi presented in the UGC Sponsored Regional Symposium on Current Research Trends in Chemistry held at Kongunadu Arts and Science College, Coimbatore during 10<sup>th</sup> September 2004.
14. Recent Technologies to Control Pollution – A Review.  
G. Vanmathi, S. Hema and P.Thillai Arasu presented in the UGC Sponsored Regional Symposium on Current Research Trends in Chemistry held at Kongunadu Arts and Science College, Coimbatore during 10<sup>th</sup> September 2004.
15. Pollution Controlling Technologies Recent Trends.  
G.Vanmathi, P.Thillai Arasu and S.Hema. Presented in the 23<sup>rd</sup> Annual Conference on Indian Council of Chemists held at K.C.College, Churchgate, Mumbai, during 29<sup>th</sup> to 31<sup>st</sup> October 2004.
16. Attended the Industry Oriented Technology Courses on Batteries and Fuel cells conducted by Central Electrochemical Research Institute, Karaikudi (Jan. 88 – Feb. 88).
17. Delivered a lecture on “Production & Quality control of Paints” in the Seminar on “Projects in Chemistry” at Aditanar College of Arts and Science, Tiruchendur during Jan 2003
18. Bio Remediation Technologies for Controlling Water Pollution G.Vanmathi  
Presented in the Si. Pa Aditanar Centenary Celebrations “SACOFERENCE”  
A National Level Conference held during Aug. 2005 at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur
19. Biodiversity conservation-Present scenario in India and suggestions for the future G.Vanmathi. Presented in the State level seminar on “Conservation of Environment and Sustainable Development” held at V.O.C College of Education, Tuticorin on 26.11.2005
20. “An evaluation of the threat of Mega Tsunami”  
Presented in the National Conference on “Disaster Management” at V.O.C College of Education, Tuticorin on 17.12.2005.
21. Vulnerability of coastal areas to Sea – Land – River interaction  
Presented in the International Conference On “Sea, Land, People- Marine and Terrene Ecology” during 17-19 Jan 2006.
22. Simulation of disaster causing natural phenomena along the coastal zones through Mathematical Modeling Presented in the National Conference on “Environmental solutions for Sustainable Development” held at Alagappa Chettiar College of Engineering and Technology, Karaikudi during 23, 24 Feb 2006.

23. Eco-friendly Biocatalysis.  
Submitted in the National Seminar On “Applications Of Catalysis in Day to Day Life” held at Annasaheb Waghire College, Otur, Tal-Junnar District – Pune, during Mar 24 – 25, 2006.
24. Six sigma in Quality Education.  
Presented in the National Level Seminar on “ Recent Trends in Research” held at Dr.Sivanthi Aditanar College Of Education, Tiruchendur, during 6, 7 April, 2006.
25. A study on the Environmental Impact of Thermal Power Stations Chem-Bio 2006 State Level Seminar On “ Recent Trends In Environmental Safety” held during 27.9.2006, at Rani Anna Govt College (W), Tirunelveli.
26. Opportunities for Women Chemistry Graduates.  
Inter Collegiate Seminar on “ Opportunities for Chemistry Graduates” held on 29.9.06, at John’s College, Palayamkottai.
27. Understanding Six Sigma Implications For Industry To meet Global Standards  
G. Vanmathi International Seminar On “Gallopings of Indian Services Towards Global Standards” held at Muthayammal Engineering College on 2.11.2006.
28. Workshop on Emerging Trends in Corrosion and Surface Engineering under TEQUIP Community services, conducted during 9 – 10 Feb 2007, at National Institute of Technology, Tiruchirappalli – 620 015.
29. Nano Materials – Manifold Applications  
State Level Seminar on Recent Advances in Physical Sciences, RAPS ’07 at Vivekananda college of Arts & Science for Women, Tiruchengode on 21.9.07
30. Nano Medicines – Present Scenario  
National Seminar on Organic Electronics – A New Dimension in Nanoscience and Nanotechnology at Sarah Tucker College Tirunelveli on 11.10.2007
31. Eco Friendly Bio Polymers –A Review National Conference on Recent Trends in Chemistry conducted at Bishop Heber College, Trichy on 12/10/2007.
32. The role of Fish oil in Bio-pesticides Biopesticides International Conference held at St. Xavier’s College, Palayamlottai during 28 – 30 Nov 2007.
33. Environmental Benefits And Life Cycle Assessment of Biodegradable Polymers Indian Council of Chemists – 26 th Annual Conference, Banares Hindu University, Varanasi to be held during 25 – 26 Dec 2007
34. National Workshop on Green Chemistry  
Participated in the Workshop conducted by the Dep. Of Chemistry, Alagappa University, Karaikudi during Feb 2008

It is certified that all the information provided are true to the best of my knowledge.