

G.Selvanathan

Associate Professor of Chemistry,

AVC College (Autonomous

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PERSONAL

Date of birth: 7th January, 1968,

Nationality: Indian,

Community: Most Backward

QUALIFICATION

Ph.D.	Industrial Chemistry	Department of Industrial Chemistry Alagappa University , Karaikudi	September 2003
M.Phil.	Industrial Chemistry	Department of Industrial Chemistry Alagappa University , Karaikudi,	September 1993
M.Sc.	General Chemistry	Jamal Mohamed College, Trichy Bharathidasan University , Trichy	April 1992
B.Sc	General Chemistry	AVVM Sri Pushpam College, Poondi Bharathidasan University , Trichy	April 1988

EXPERIENCE

a) **Teaching** (Regular, Since March 2000) : 19 years

b) **Research** : 25 years

c) **M.Phil Guidance** : 20 candidates awarded degree

d) **Ph.D guidance** : Degree Awarded - 05

Thesis submitted - 01

e) **On going Ph.D supervision** : 02 candidates

f) **Research Projects Completed (Minor) : 01**

Principal Investigator for the UGC minor research project entitled “*Synthesis, Spectral Studies and Antimicrobial Activities of Spiro Derivatives*”. Amount sanctioned: Rs 1,17,000.

g) Research Publications	Total
Articles in journals (refereed)	38
Articles in conference proceedings	04
Abstracts/ participation in seminars	33
Courses/Workshops attended	09

h) Google Scholar citation index for research contributions:

Scale	Total	Since 2014
Citations	526	212
h – index	12	7
i10 – index	14	6

Research Area

Electroorganic Chemistry, Electroanalytical Chemistry, Sensors, Surface Chemistry, Environmental Chemistry and Electrochemical Catalysis, Synthetic Organic Chemistry

Awards & Honours

- Golden Jubilee Gold Medal award for Best Teacher, AVC College (Autonomous),
- INSA Visiting Fellow - 2007-08, Indian National Science Academy, New Delhi,
- Peer Reviewer for International journal of scientific transactions in environment and technovation published by BVG Trust, Mannargudi, India

Membership of Professional Bodies

Life Member, Indian Society for Electro-Analytical Chemistry (ISEAC), Mumbai

EXTRA ACADEMIC SERVICES

- Serving as a Member, Research Committee, Bharathidasan University, Tiruchirappalli since 2018
- Organizing Secretary for the Lecture workshop “*Chemistry-Current Focus*” organised in association with Science Academies (IASc, INSA & NASI), held at PG and Research Department of Chemistry, AVC College (Autonomous) on 27-28th February, 2017
- Organizing Secretary for the “*Interaction meeting with Under-Graduate and Post-Graduate students of Chemistry (CRSI-IYC 2011)*” sponsored by the Chemical Research Society of India, Bangaluru, with the PG and Research Department of Chemistry, AVC College (Autonomous) on 15th October, 2011 to commemorate “International Year of Chemistry – 2011”.
- Organizing Secretary for the “*National Seminar on Recent Trends in Chemistry (NSRTC-2011)*”, sponsored by the University Grants Commission, New Delhi, organized by the PG and Research Department of Chemistry, AVC College (Autonomous), during February 25 & 26, 2011.

- Served as Member (2005-2007 & 2012-14), Academic Council, AVC College (Autonomous), Mannampandal
- Served as Member (2002-2007), AVC College (Autonomous) Examination committee
- Member, Board of Studies in Chemistry, AVC College (autonomous). Actively engaged in designing the curriculum and syllabi for UG and PG course in chemistry
- Organising committee member in a two day National Seminar on Emerging Trends in Chemistry (February 23 & 24, 2007), organised by the Department of Chemistry, AVC College (Autonomous), Mannampandal, Mayiladuthurai-5
- Editorial board member in Golden Jubilee souvenir; released on behalf of Golden jubilee celebrations of AVC College (Autonomous), Mannampandal, Mayiladuthurai.
- Served as Editorial board member in a two days National Seminar on Emerging Trends in Electrochemical, Textile and Polymer Industries (April 22-23, 1996) organized by Dept. of Industrial Chemistry, Alagappa University, Karaikudi
- Reception committee member in Indo-British Seminar on Women and Emerging Technologies (Jan. 12-13, 1994) organized by Dept. of Women Studies, Alagappa University, Karaikudi

ARTICLES PUBLISHED IN IMPACT JOURNALS

	NAME OF THE INTERNATIONAL JOURNAL	PUBLISHER	IMPACT FACTOR
1	Chemistry of Materials	<i>American Chemical Society</i>	9.89
2	Electrochimica Acta	<i>Elsevier</i>	5.116
3	Microchimica Acta	<i>Springer-Verlag</i>	5.705
4	Talanta	<i>Elsevier</i>	3.545
5	Journal of Polymer Science: Part A: Polymer Chemistry	<i>Wiley InterScience</i>	3.245
6	Applied Clay Science	<i>Elsevier</i>	3.641
7	Electroanalysis	<i>WILEY-VCH Verlag GmbH & Co</i>	2.851
8	Ionics	<i>Springer-Verlag</i>	2.347
9	Journal of Applied Polymer Science	<i>Wiley InterScience</i>	1.90
10	Toxicological and Environmental Chemistry	<i>Tylor & Francis</i>	1.021
11	International Journal of Environmental Analytical chemistry	<i>Tylor & Francis</i>	1.372

RESEARCH PUBLICATIONS

REFEREED INTERNATIONAL JOURNALS

1. Ionic Liquid-Mediated: Enhanced Surface Morphology of Silver/Manganese Oxide/Bentonite Nanocomposite for Improved Biological Activities M, Sundrarajan, K.Bama, G. Selvanathan, M. Ramesh Prabu., *Journal of Molecular Liquids*, 249, (2018) 1020–1032., doi:10.1016/j.molliq.2017.11.065.
2. Synthesis and characterization of a new bioactive Mannich base morpholino methyl maleic hydrazide (MMMh), P. R. Santhi , G. Selvanathan and G. Poongothai. *International Journal of Advanced Research (IJAR)*, 5(9), (2017) 87-92, DOI:10.21474/IJAR01/5304 (ISSN: 2320-5407)
3. Synthesis and characterisation of a new bioactive Mannich base Dibenzyl amino methyl maleic hydrazide, P.R Santhi, G.Selvanathan and G.Poongothai, *International Journal of Advances in Pharmacy, Biology and Chemistry* 5(3), (2016) 322–327 (ISSN:2277–4688)
4. Synthesis and Characterisation of poly (pyrrole-co-flutamide), D.Lakshmanan and G.Selvanathan, *International Journal of ChemTech Research*, 7 (7) ICEWEST (2015) 2917-2923. (ISSN: 0974-4290)
5. Electrochemical sensors of heavy metals using novel polymer-modified glassy carbon electrodes. C. Vedhi, **G. Selvanathan**, P. Arumugam and P. Manisankar, , *Ionics*, 15-3 (2009) 377-383 ISSN: 0947-7047 (Print) 1862-0760 (Online)
6. Differential pulse stripping voltammetric determination of heavy metals simultaneously using newer polymer modified glassy carbon electrode ,Paramasivam Manisankar, Chinnapiyan Vedhi, **Ganesan Selvanathan**, Perumal Arumugam, *Microchimica Acta*, 163 (2008) 289-295 ISSN: 0026-3672 (Print) ISSN: 1436-5073 (Online)
7. Influence of Surfactants on the Electrochromic Behavior of Poly (3,4-ethylenedioxythiophene), P. Manisankar, C. Vedhi, **G. Selvanathan**, H Gurumallesh Prabu, *Journal of Applied Polymer Science*, 104 (2007) 3285-3291. ISSN: 0021-8995 (Print) 1097-4628 (Online)
8. Synthesis of a Nanosize Copolymer of 3,4-Ethylenedioxythiophene with Diclofenac and Characterization, P. Manisankar, C. Vedhi, **G. Selvanathan**, *Journal of Polymer Science: Part A: Polymer Chemistry*, 45 (2007) 2787-2796. ISSN: 0887-624X (Print), 1099-0518 (Online)
9. Copolymerization of aniline and 4,4'-diaminodiphenyl sulphone and characterization of formed nano size copolymer, P. Manisankar, C. Vedhi, **G. Selvanathan**, *Electrochimica Acta*, 52 (2006) 831–838 ISSN: 0013-4686

10. Electrochemical synthesis and characterization of novel electrochromic poly (3,4-ethylenedioxythiophene-co-Diclofenac) with surfactants, P. Manisankar, C. Vedhi, **G. Selvanathan**, *Electrochimica Acta*, 51 (2006) 2964–2970, **ISSN: 0013-4686**
11. Determination of pesticides using heteropolyacid montmorillonite clay-modified electrode with surfactant, P. Manisankar, **G. Selvanathan**, C. Vedhi, *Talanta*, 68 (2006) 686-696, **ISSN: 0039-9140**
12. Utilization of sodium montmorillonite clay modified electrode for the determination of isoproturon and carbendazim in soil and water samples, P. Manisankar, **G. Selvanathan** and C. Vedhi, *Applied Clay Science*, 29 (2005) 249-257, **ISSN: 0169-1317**
13. Utilisation of Polypyrrole Modified Electrode for the Determination of Pesticides-Paramasivam Manisankar, **Ganesan Selvanathan** and Chinnapiyan Vedhi, *International Journal of Environmental Analytical Chemistry*, Vol. 85, No. 6, 15 May 2005, 409–422 **ISSN: 0306-7319**
14. Electrochemical and Electrochromic Behaviour of Novel Poly (aniline-co-4, 4'-diaminodiphenyl sulphone), P. Manisankar, C. Vedhi, **G. Selvanathan** and R.M. Somasundaram, *Chemistry of Materials*, 17 (2005) 1722-1727, **ISSN: 0897-4756 (Print), 1520-5002 (Online)**
15. Synthesis and characterisation of novel nano size electroactive poly 4,4'-diaminodiphenyl sulphone, P. Manisankar, C. Vedhi and **G. Selvanathan**, *Journal of Polymer Science Part A: Polymer Chemistry*, 43 (2005) 1702-1707, . **ISSN: 0887-624X (Print), 1099-0518 (Online)**
16. Electrochemical determination of methyl parathion using modified electrode; P. Manisankar, C. Vedhi and **G. Selvanathan**. *Toxicological and Environmental Chemistry*, 85 (2003) 233-241., **ISSN: 0277-2248**
17. Electrochemical Determination of Some Organic Pollutants Using Wall Jet Electrode; P. Manisankar, **G. Selvanathan**, S. Viswanathan and H. Gurumallesh prabu. *Electroanalysis*, 14 (24) (2002) 1722-1727., **ISSN: 1040-0397 (Print), 1521-4109 (Online)**
18. Electrochemical Studies of Carbendazim; P. Manisankar, C. Vedhi and **G. Selvanathan**. *Bulletin of Electrochemistry*, 20 (02) (2004) 81-86., **ISSN: 0256-1654**
19. Electrochemical Studies of Isoproturon; P. Manisankar, C. Vedhi and **G. Selvanathan**. *Trans. SAEST*, 37(3&4) (2002) 135-140., **ISSN: 0036-0678**
20. Stripping voltammetric determination of vitamin C in drugs; P. Manisankar, T. Ramesh, **G. Selvanathan** and H. Gurumallesh Prabu. *Bull. of Electrochemistry*, 13 (7) (1997) 317-320., **ISSN: 0256-1654**

PEER REVIEWED INDIAN JOURNALS

21. K. Chandru, G. Selvanathan and B.B. Das, "Synthesis and Characterization of Samarium doped $\text{SrBi}_{2-x}\text{O}_4$ oxides", *IOSR Journal of Applied Chemistry*, 10(6), (2017), 38-43. (ISSN: 2278-5736)
22. K. Chandru, G. Selvanathan and B.B. Das, "Synthesis, Characterization and Magnetic Properties of Mn^{2+} Doped $\text{CdGa}_{2-2x}\text{O}_4$ Oxide Spinels", *International Journal for Research in Applied Science & Engineering Technology*, 5(6), (2017), 872-878.) ISSN: 2321-9653)
23. N. Manivannan, S.Sugunakala, B.Elanchezhian and **G.Selvanathan**, "Anticoagulant activity and Molecular docking of 7,9-bis(4-Chlorophenyl)-6-methyl-1,4-dioxo-8-azaspiro [4.5] decane through target protein thrombin", *Asian Journal of Chemistry* 28 (8) (2016) 1777-1782. (ISSN: 0975-427X)
24. Synthesis and Structural Characterization of Some Cobalt (II) Complexes with a Mannich Base Derived From Morpholine and Maleic Hydrazide , P. R. Santhi , G. Selvanathan and G. Poongothai. *International Journal of Current Research in Multidisciplinary*, 1(7), (2016) 26-31 (ISSN: 2456-0979)
25. D. Lakshmanan and **G.Selvanathan**, Synthesis and Characterisation of Poly(pyrrole-co-pyrazinamide), *Indian Journal of Applied Research*, 5 (1) (2015) 55-58 (ISSN: 2249-555X)
26. Selvanathan Ganesan, Elanchezhian Balachandravinayagam and Manivannan Natarajan, Synthesis, spectral characterization and antifungal activities of 2,6-dimethyl-7,9-diphenyl-1,4-dioxo-8-azaspiro[4.5]decane, *International Journal of Scientific Transactions in Environment and Technovation*, 8(1) (2014) 9-13, (ISSN: 0973-9157)
27. D.Lakshmanan and **G. Selvanathan** "Synthesis and Characterisation of Poly (pyrrole-co-isoniazid)" *Journal Chemical and Pharmaceutical Research*, 6(9) (2014) 28-33 (ISSN: 0975-7384)
28. Elanchezhian Balachandravinayagam, Manivannan Natarajan and **Selvanathan Ganesan**" Synthesis, spectral characterization and antioxidant activities of 2', 6'-diphenyl-1, 3- dihydrospiro [benzo[d] imidazole-2,4'-piperidine]", *International Journal of Chemistry and Pharmaceutical Sciences*, 2 (8) (2014) 878-884. (ISSN: 2321-3132)
29. Elanchezhian Balachandravinayagam, Manivannan Natarajan and **Selvanathan Ganesan** "Synthesis, spectral characterization and antioxidant activities of 3'-methyl-2',6'-diphenyl-1,3-dihydro spiro [benzo[d]imidazole-2,4'-piperidine]" *International Journal of Pharmaceutical, Chemical and Biological Sciences* 4(3) (2014) 620-627. (ISSN: 2249-9504)
30. K.Masilamani and **G.Selvanathan**, Synthesis and Characterisation of Poly(aniline-co-sulfamethazine), *Indian Journal of Applied Research*, 4 (2) (2014) 10-13. (ISSN: 2249-555X)

31. K.Masilamani and **G.Selvanathan**, Synthesis and Characterisation of Poly(aniline-co-D-cycloserine), *Asian Journal of Research in Chemistry*, 7 (2) (2014) 225-229. (ISSN: **0974-4150**)
32. P.R.Santhi, **G.Selvanathan**, G.Poongothai, T.Srinivasan and D.Velmurugan, “Synthesis, Single crystal structure of 3-Hydroxy-1-[(morpholin-4-yl)methyl] pyridazin-6(1H)-one”, *Acta Crystallographica Section E*, 69 (2013) 0778, (ISSN: **1600-5368**)
33. P.R.Santhi, **G.Selvanathan** and G.Poongothai “Synthesis, characterization and anti-inflammatory activity of Zinc (II) and Cadmium (II) Chloro complexes of a new bioactive mannich base diethyl amino methyl maleic hydrazide (DEAMMH)”, *Journal of Ultra Chemistry*, 9(3) (2013) 345-352 (ISSN: **0973-3450**)
34. Manivannan Natarajan, Elanchezhian Balachandravinayagam, Meenakshi Selvaraju, **Selvanathan Ganesan**, “Synthesis, Spectral Studies and in-vitro antibacterial evaluation of triaza and dioxa aza Spiro Derivatives”. *Asian Journal of Chemistry* 25 (1) (2013) 277-281. (ISSN: **0975-427X**)
35. N. Manivannan, V.StalinElanchezhian, **G.Selvanathan**, B.Elanchezhian. “Synthesis, Spectral studies and conformation of 7,9-diphenyl-1,4,8-triazaspiro[4.5] decane”, *Journal of Ultra Chemistry*, 6(3) (2010) 339-350 (ISSN: **0973-3450**)
36. N.Manivannan, B.Elanchezhian, **G.Selvanathan** and K.Pandiarajan “Synthesis, spectral analysis and biological studies on 6-methyl-7, 9-diphenyl-1, 4, 8-triazaspiro [4.5] decane”. *International journal of Current Research and Review*, 03(04) (2011) 53-68 (ISSN: **0975-5241**)
37. N.Manivannan, **G.Selvanathan**, G.Murugavel, K.Amirthaganesan. “Comparison of conformation, spectral analysis and Biological activities of t-3-methyl-1-nitroso-r-2,c-6-diphenylpiperidin-4-one oxime and t-3-isopropyl-1-nitroso-r-2,c-6-diphenylpiperidin-4-one oxime” , *Journal of Ultra Chemistry*, 7(1) (2011) 39-46. (ISSN: **0973-3450**)
38. P.Manisankar, R.Harihara Puthran, T.Vasudevan, A.Gopalan, H.Gurumallesh Prabu and G.Selvanathan, “Electrochemical Deoxygenation of N-Benzylidene Phenylamine N-Oxide”, *Journal of the Electrochemical Society of India*, 46 (2) (1997) 65-69

PUBLICATIONS IN REFEREED CONFERENCE PROCEEDINGS

1. Electrochemical behaviour of methyl parathion on polypyrrole and clay modified electrodes P.Manisankar, C.Vedhi and **G.Selvanathan**. *ELAC 2004*, Goa (18-23 January 2004) 371-378.
2. Development of Polypyrrole Based Sensor for the Determination of Direct Orange-8; P.Manisankar, **G.Selvanathan** and H.Gurumallesh prabu. *National Seminar on Physics and Technology of Sensors- SENSORS –5*, University of Pune C33-1 (98) 6 (A).

3. Mass spectra of 3-(2-furanyl)-1-aryl-2-propen-1-ones; P.Manisankar, A.Baskar, S.Venkateswaran and **G.Selvanathan**. *National Seminar on Emerging Trends in Electrochemical, Textile and Polymer Industries*, M-3 (1996) 279-285.
4. Voltammetric studies of amino dibenzothiophene sulphone on glassy carbon electrode; **G.Selvanathan**, VE.Sivagami, P.Manisankar, T.Vasudevan, A.Gopalan, B.Muralidharan, G.Parthimalkalaignan, Jeyalakshmi and Perumal. *National Seminar on New Trends in Electrochemical Science*, 6.13 (1994) 162-172.

ABSTRACTS IN SEMINARS

1. K. Masilamani, **G. Selvanathan**, B.Elanchezhiyan, Determination of Heavy Metals on Poly(Aniline-Co-Sulfamethazine) Modified Electrode, *International Conference on Frontier Areas in Chemical Technologies-2016 (FACTs-2016)*, organized by Department of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi during 21st to 23rd March, 2016 ISBN: 978-81-928690-7-0
2. Elanchezhian. B, **Selvanathan. G** and Manivannan. N, Synthesis, spectral characterization and antifungal activities of some spiroheterocyclic compounds, *International Conference on Frontier Areas in Chemical Technologies-2016 (FACTs-2016)*, organized by Department of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi during 21st to 23rd March, 2016 ISBN: 978-81-928690-7-0
3. M. Balaji, M. Sundrarajan, S. Selvam and **G. Selvanathan**, Facile synthesis of multiwall carbon nanotube supported palladium doped polypyrrole catalyst, *International Conference on Frontier Areas in Chemical Technologies-2016 (FACTs-2016)*, organized by Department of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi during 21st to 23rd March, 2016 ISBN: 978-81-928690-7-0
4. A. Sarathkumar Muthuraj, M. Sundrarajan, M. Balaji, S. Jegatheeswaran, A. Sangili, S. Selvam and **G. Selvanathan**, Design to conductive sulfonated polypyrrole incorporated with hybrid SPVdF- ZnO composite for high energy conversion counter electrode in DSSC, *International Conference on Frontier Areas in Chemical Technologies-2016 (FACTs-2016)*, organized by Department of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi during 21st to 23rd March, 2016 ISBN: 978-81-928690-7-0
5. K. Masilamani and **G.Selvanathan**, Synthesis and Characterization of Poly (aniline-co-phenazopyridine), UGC/DST Sponsored International Conference on “*Chemistry for Renewable Energy*” Organised by PG & Research Department of Chemistry, Bishop Heber College (Autonomous), Tiruchirappalli on 25-26, February 2016.
6. B. Elanchezhian, N.Manivannan and **G.Selvanathan** “Bioavailability, in-silico bioactivity and toxicity screening for drug likeness of some spiroheterocyclic compounds”, UGC/DST Sponsored International Conference on “*Chemistry for*

Renewable Energy” Organised by PG & Research Department of Chemistry, Bishop Heber College (Autonomous), Tiruchirappalli on 25-26, February 2016.

7. N.Manivannan, B.Elanchezhian, **G.Selvanathan** and Sugunakala, 7,9 bis (4-chloro phenyl) 6-methyl-1,4-dioxo-8-azaspiro[4,5]decane docking with thrombin inhibitor (3DA9) act as anticoagulant. DST-FIST sponsored National seminar on *Frontier Areas in Chemical Technologies (FACTs-2015)*, organized by Department of Industrial Chemistry, Alagappa University, Karaikudi during 6th & 7th March 2015.
8. N. Manivannan, B.Elanchezhian, **G.Selvanathan** and K.Amirthaganesan, “Synthesis, spectral studies and antibacterial evaluation of spiro derivatives”, *UGC sponsored National Seminar on Emerging Trends in Chemistry*, organized by Department of Chemistry, AVC College (Autonomous), Mannampandal, during March 13 & 14, 2014.
9. P.R.Santhi, **G.Selvanathan** and G.Poongothai, “Synthesis and characterization of a new Mannich base dibenzyl amino methyl maleic hydrazide”, *UGC sponsored National Seminar on Emerging Trends in Chemistry*, organized by Department of Chemistry, AVC College (Autonomous), Mannampandal, during March 13 & 14, 2014
10. P.R.Santhi, **G.Selvanathan**, G.Poongothai, T.Srinivasan and D.Velmurugan, “Crystal structure analysis of 6-Hydroxy-2-(Morpholinomethyl) Pyridazin-3-(2H)-one”, *UGC sponsored National Seminar on Emerging Trends in Chemistry*, organized by Department of Chemistry, AVC College (Autonomous), Mannampandal, during March 13 & 14, 2014
11. N. Manivannan, **G.Selvanathan**, G.Murugavel, K.Amirthaganesan and S.Alamelu “Comparison of conformation, spectral analysis and biological activities of t-3-methyl-1-nitroso-r-2,c-6-diphenyl piperidine-4-one oxime and t-3-isopropyl-1-nitroso-r-2,c-6-diphenylpiperidin-4-one oxime” in the UGC Sponsored national seminar on “Recent Trends in Chemistry”, organized by Department of Chemistry, A.V.C College (Autonomous), Mayiladuthurai during February 25 & 26 2011.
12. Determination of nimesulide by differential pulse stripping voltammetry on PEDOT modified glassy carbon electrode; **G.Selvanathan**¹, D.Lakshmanan¹, P.Manisankar² and C.Vedhi², ¹AVC College (Autonomous), Mannampandal, Mayiladuthurai-5, ²Department of Industrial Chemistry, Alagappa University, Karaikudi. *Recent Advances in Textile and Electrochemical Sciences (RATES 2007)*, Department of Industrial Chemistry, Alagappa University, Karaikudi, June 1-2, 2007
13. Electroanalysis of Atenolol, **G.Selvanathan**¹, K. Masilamani², P.Manisankar³ and C.Vedhi³, ¹AVC College (Autonomous), Mannampandal, Mayiladuthurai, ²Govt. Hr. Sec. School, Marungulam, Thanjavur., ³Department of Industrial Chemistry, Alagappa University, Karaikudi. *Recent Advances in Textile and Electrochemical Sciences (RATES 2007)*, Department of Industrial Chemistry, Alagappa University, Karaikudi, June 1-2, 2007
14. Electrochemical Studies and Determination of Malathion using nanosize polypyrrole modified glassy carbon electrode, *Recent Advances in Nano Science and Technology*

P.Manisankar, C.Vedhi and **G.Selvanathan**, RANSAT 2005, Department of Chemistry, Periyar University, Salem on 29th & 30th of September, 2005.

15. Influence of 4,4'-diaminodiphenyl sulphone during nano copolymerisation of aniline through chemical synthesis and characterisation, C.Vedhi, **G.Selvanathan** and P.Manisankar, *Recent Advances in Nano Science and Technology*, RANSAT 2005, Department of Chemistry, Periyar University, Salem on 29th & 30th of September, 2005.
16. Electrosynthesis and characterisation of poly 4-isopropyl aniline from isoproton, P.Manisankar, C.Vedhi and **G.Selvanathan** – *National Seminar on Recent Trends in Isolation, Characterization, Synthesis and Biological Studies of Organic Compounds*, NATSEM 2004 - Department of Chemistry, Gandhigram Rural Institute (*Deemed University*) Gandhigram, Dindigul, on 5th & 6th of March 2004.
17. Electrochemical behaviour of Methyl Parathion on Polypyrrole and Clay Modified Electrodes P.Manisankar, C.Vedhi and **G.Selvanathan** - *Second Triennial International Conference on Electroanalytical Chemistry and Allied Topics*, ELAC 2004 organised by Indian Society for Electroanalytical chemistry, International Centre, Goa, January 18 to 23, 2004.
18. Development of Electroanalytical Method for Malathion. P.Manisankar, H.Gurumallesh Prabu, S.Viswanathan and **G.Selvanathan**, *National Seminar on Recent Trends in Material Science*, Alagappa University, Karaikudi on May 3rd 1999. 20.3, p52
19. Electrochemical Treatment for Pesticides, P. Manisankar, H.Gurumallesh Prabu, **G.Selvanathan** and S.Viswanathan. *National Seminar on Recent Trends in Material Science*, Alagappa University, Karaikudi on May 3rd 1999. 20.4, p52
20. Development of Stripping Voltammetric Determination for Dapsone, Manisankar, Sarpudeen, **G.Selvanathan**, and Manivannan *National Seminar on Recent Trends in Material Science*, Alagappa University, Karaikudi on May 3rd 1999. 21.3, p56
21. Basic and arylamine form in banned dyes in *National Seminar on Computational Chemistry* COMPSEM -99 Sri.Vyassa N.S.S. College, Thrissur, Kerala, 17-19 Mar.1999
22. Mass spectra of 3-(2-Furanyl)-1-aryl-2-propane-1-ones, P.Manisankar, A. Baskar, and G.Selvanathan, *Newer vistas in synthetic protocols and structural elucidation in chemistry*, Madurai Kamaraj University, Madurai-21 on April 22nd to 24th, 1998. p. O-37,
23. Electroanalysis of p-nitrophenol, P.Manisankar, **G.Selvanathan** and H.Gurumallesh Prabu, *Sixteenth conference of Indian council of chemists, Mangalore*, 29-31st December 1997. AO-41, p.171.
24. Polypyrrole based sensor development for the determination of endosulfan, P.Manisankar, **G.Selvanathan** and H.Gurumallesh Prabu, *International conference on*

recent development in sensor development for monitoring environmental quality, I.I.T. Kharagpur, 29-31st December 1997. p.88

25. Electrochemical studies of disperse orange - 13, P.Manisankar, **G.Selvanathan** and H.Gurumallesh Prabu, *Third national conference on Electrochemicals*, Mumbai, 18-19th December 1997.
26. Investigation of substituent effect on the electrochemical reduction of Fufural acetophenone in DMF medium. P.Manisankar, A.Baskar, **G.Selvanathan**, A.Gopalan and T.Vasudevan, *National Symposium on Students Projects on Correlation Analysis*- Organised by International group of Correlation Analysis-Indian chapter at Annamalai University, Jan. 24, 1996.
27. Voltammetric studies of Furazolidone, P.Manisankar, A.Mohamed Aslam, I.Baskaran, **G.Selvanathan**, H.Gurumallesh Prabu, A.Gopalan and T.Vasudevan, *Emerging Trends in Electrochemical, Textile and Polymer Industries*, Alagappa University, Karaikudi on April 22nd to 23rd, 1996. p.2, 1.4.
28. Mass spectra of 3-(2-Furanyl)-1-phenyl-2-propane-1-one, P.Manisankar, A.Baskar, S.Venkateswaran and **G.Selvanathan**, *Emerging Trends in Electrochemical, Textile and Polymer Industries*, Alagappa University, Karaikudi on April 22nd to 23rd, 1996. p. 32., 4.3.
29. Electrochemical Deoxygenation of N-Benzylidene Phenylamine N-Oxide, P.Manisankar, R.Hariharaputhran, T.Vasudevan, A.Gopalan, H.Gurumallesh Prabu and **G.Selvanathan**. *National Symposium on Electrochemical Science and Technology*, July 22-23, 1995, I.I.Sc. Bangalore, 11, p5 (1995)
30. Voltammetric Studies of Furazolidone P.Manisankar, A.Mohamed Aslam, I.Baskaran, R.Hariharaputhran, T.Vasudevan, H.Gurumallesh Prabu and **G.Selvanathan**. *National Symposium on Electrochemical Science and Technology*, July 22-23, 1995, I.I.Sc., Bangalore. 12, p5, 1995.
31. Voltammetric studies of amino dibenzothiophene sulphone on glassy carbon electrode, **G.Selvanathan**, VE.Sivagami, P.Manisankar, T.Vasudevan, A.Gopalan. B.Muralidharan, G.Parthimalkalaigan, Jeyalakshmi and S.Perumal, *National Seminar on New Trends in Electrochemical Science*, Karaikudi on 23rd December 1994, Alagappa University, Karaikudi. 6.13, p16.
32. Electrochemical and Chemical synthesis of polyanisidines, A.Gopalan, K.Saichitra, **G.Selvanathan**, P.Manisankar, T.Vasudevan, G.Paruthimalkalaigan and B.Muralidharan, *National seminar on recent advances in polymers*, Indore, IV-G1-11, 34 (1994).

33. Voltammetric Behaviour of Acid blue-113; R.D.Nirmala, **G.Selvanathan** and H.Gurumallesh Prabu, *National Seminar on New Trends in Electrochemical Science*, Alagappa University, 23 December 1994.

INVITED LECTURED AND CHAIRMANSHIPS AT NATIONAL/INTERNATIONAL CONFERENCE/SEMINAR ETC.

1. Chaired the Session-VI of the National Seminar on Recent Advances in Textile and Electrochemical Sciences (RATES 2011) organised by the Department of Industrial Chemistry, Alagappa University, Karaikudi on 06-08-2011.
2. Resource Person in the workshop on “Computer Application in Research” organized by IQAC of AVC College (Autonomous), Mannampandal, February 14 & 16, 2011.
3. Resource Person in the “Faculty Development Programme” organised by Annai College of Arts and Science, Kovilacheri, Kumbakonam on 27-01-2012.
4. Delivered an invited lecture on “Global Warming” in the seminar organized by the Vivekanada College, Sirkali on 21-12-2009.
5. Resource Person in the workshop on “Office Automation Tools” organized by Dept. of Comp. Science and R&D Cell of AVC College (Autonomous), Mannampandal, March 01 & 02, 2008
6. Delivered an invited lecture on “Nano Technology – An Overview” in the seminar organized by the TUK College, Thanjavur on 21-04-2008.
7. Resource Person in the workshop on “Use of Computers in Statistical Analysis” organized by Dept. of Economics and R&D Cell of AVC College (Autonomous), Mannampandal, February 23 & 24, 2008

COURSES/WORKSHOPS ATTENDED

1. International Conference & Workshop on *Advances in Biomolecular Sciences and Analytical NMR*, Srimad Andavan Arts and Science College (Autonomous), Trichy, August 25 to 27, 2014.
2. Participated in the workshop on “E-Content development” organized by IQAC of AVC College (Autonomous), Mannampandal, September 19 to 22, 2012
3. Participated in the workshop on “Question Bank for part-A questions” organized by IQAC & COE of AVC College (Autonomous), Mannampandal, December 26 & 27, 2011.
4. National Workshop for *Research guides* at UGC Academic Staff College, Pondicherry University, Pondicherry, September 10-11, 2009.

5. Refresher course on *Environmental Studies (Multidisciplinary)* at UGC Academic Staff College, Bharathiar University, Coimbatore, March 05 to March 25, 2009
6. Refresher course on *Physical Science* at UGC Academic Staff College, Bharathiar University, Coimbatore, January 18 to February 07, 2007.
7. National Workshop on *Nanomaterials - synthesis, characterisation and applications* (NMSCA-2006), Department of Industrial Chemistry, Alagappa University, Karaikudi, December 14 & 15, 2006 .
8. National Workshop on Progressive Initiatives of Autonomous Colleges Towards Excellence in Global Education, PSG College of Art & Science, Coimbatore, March 18 to 20, 2004.
9. Orientation course on Information Technology at UGC Academic Staff College, Pondicherry University, Pondicherry, January 20 to February 16, 2004
10. Participated in the Microsoft/Intel training programme “Teach to the future” a certificate course for Master Trainee for the implementation of information technology to class room teaching at AVC College (Autonomous) from 8th July to 8th August 2002.