

RESUME

Name : **Dr. S. VISWANATHAN**
 Father's name : R. Subramanian
 Date of Birth : 30 July 1973
 Place of Birth : Thiruthuraipoondi, Tamilnadu, India.
 Sex : Male
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Qualification:

No	Degree	Subject	University	Period	Class
1	Ph. D	Electro Organic Chemistry	Alagappa University	1998-2004	Highly Commended
2	M.Sc	General Chemistry	Bharathidasan University	1993-95	First
4	B. Ed	Science	Bharathidasan University	1995-97	First
5	B. Sc	Chemistry	Bharathidasan University	1990-93	First

Award: Senior Research Fellow Extended - Council of scientific and industrial research, New Delhi. 2003

Research area

- Electrochemical biosensors-immunosensors-enzyme sensor- multiplexed cancer marker, bio -toxin detection.
- Synthesis of Quantum-dots labeled antibody for biosensors.
- Fabrication of metal nanowire and nanoelectrode arrays for biosensors.
- **Ph. D: “*Electro analytical studies of toxic organics*”**
- Electrochemical synthesis of organic semi conducting polymers and inorganic semi conducting thin films.
- Electrochemical determination and destruction of toxic pollutants
- Development of emulsion polymerization
- Synthesis of organic macromolecules
- Synthesis of chelating ion exchange resins for Gallium extraction
- Electrochemical regeneration and recycling printed circuit board etching fluid.
- Electrochemical recovery of tungsten carbide from waste scarps

Research Experience

S.No	Name of the post	Name of the Department	Period	
			From	To
1	Post doctoral research associate	National Tsing Hua University Taiwan	01.08.2005	Till date
2	Post doctoral research associate	National Chi Nan University Taiwan	28.04.2005	31.07.2005
3	Senior Research fellow (Extended)	CSIR INDIA	11.06.2003	10.06.2004
4	Project Fellow	CECRI INDIA	19.11.2001	16.9.2002
5	Senior Research fellow	DST INDIA	11.10.2000	20.02.2001
6	Project Fellow	UGC INDIA	24.04.1998	10.10.2000

Teaching Experience

S.No	Name of the post	Name of the Department	Period	
			From	To
1	Lecturer in Chemistry	Shanmugha arts science technology and research academy, Deemed University Thanjavur, Tamilnadu, India	23.06.2004	20.04.2005
2	Research Fellow	Dept, of industrial chemistry, Alagappa University, Karaikudi, Tamil Nadu, India	6 years - during my Ph.D research period	
3	Post Graduate Teacher.	Govt. Highr Sec. School. Mannkudi, Tamilnadu, India	20.07.1996	07.10.1997

List of Publications- Research Papers in Journals

No	Title	Authors	Journal	Status
1	Electrochemical Immunosensor for Cholera Toxin Using Liposomes and poly(3,4-ethylenedioxythiophene)-Coated Carbon Nanotubes	Subramanian Viswanathan , Li-chen Wu, Ming-Ray Huang and Ja-an Annie Ho	Analytical chemistry	78, 2006 , 1115
2	Electrochemical studies and square wave stripping voltammetry of five common pesticides on poly 3, 4-ethylenedioxythiophene modified wall jet electrode	P.Manisankar*, S.Viswanathan , A. Mercy Pushpalatha and C.Rani	Analytica Chimica Acta	528, 2005 157-163
3	Effects of halides on the electrochemical oxidation of distillery effluent.	P.Manisankar, C.Rani and S.Viswanathan	Chemosphere	Vol. 57, Issue 8 961-966 2004
4	Riboflavin as an electron mediator catalyzing the electrochemical reduction of dioxygen with 1,4-naphthoquinones	P. Manisankar, A. Mercy Pushpalatha, S. Vasanthakumar, A.Gomathi. S.Viswanathan	Journal of Electroanalytical Chemistry	Vol. 571 Issue 1 43-50 2004
5	Determination of direct orange - 8 in effluent using a polypyrrole modified electrode	Paramasivam Manisankar, Subramanian Viswanathan And Halliah Gurumalles Prabu	International Journal of Environmental Analytical chemistry	Vol.84, No.5 2004 389-397
6	Investigation of the usage of clay modified electrode for the electrochemical determination of some pollutants.	P.Manisankar, C.Vedhi, S.Viswanathan and H.G.Prabu,	Journal of Environmental Science and Health-Part B	Vol.B39, No.1 2004 , 89-100
7	Synthesis, structural characterization and electrochemical and antibacterial studies of Schiff base copper complexes	N. Raman, A. Kulandaisamy, C. Thangaraja, P.Manisankar, S.Viswanathan , C.Vedhi.	Transition Metal Chemistry	Vol.29 (2) 2004 129-135

8	Electrochemical treatment of distillery effluent Using catalytic anodes	P.Manisankar, S.Viswanathan and C.Rani	Green Chemistry	5,2003, 270-274
9	Electrochemical Determination of Some Organic Pollutants Using Wall Jet Electrode	P. Manisankar, G.Selvanathan, S.Viswanathan and H. Gurumalles Prabu	Electroanalysis	14 (24), 2002, 1722-1727
10	Electroanalysis of endosulfan and o-chlorophenol in polypyrrole coated glassy carbon electrode	Paramasivam Manisankar, Subramanian Viswanathan and Halliah Gurumalles Prabu	International Journal of Environmental Analytical chemistry	82(5) 2002, 331-340
11	Electroanalysis of Dapsone, An Anti-leprotic Drug	P.Manisankar, Sarpudeen and S.Viswanathan	Journal of Pharmaceutical and Biomedical Analysis	26(5-6) 2001, 873-881
12	Electrochemical destruction of Disperse red-17 dye effluent in a batch reactor	P.Manisankar, C.Rani and S,Viswanathan	Journal IAEM	27, 2000, 304-308
13	Electroanalytical studies of Dicofol an Organochlorine Acaricide (Article published in book)	P.Manisankar, C.Rani and S,Viswanathan	Analytical Techniques in Environmental Monitoring/edited by S. Jayarama Reddy Hyderabad, BS Pub.	ISBN 81-7800-026-1 Article No I -11,2002

Research Papers communicate to Journals

No	Title	Authors	Journal	Status
1	Direct electrochemical determination of neurotransmitters using 3-D gold nano ensembles	S. Viswanathan, and Ja-an Annie Ho	Analyst	communicated
2	Dual electrochemical determination of insulin and glucose.	Subramanian Viswanathan, and Ja-an Annie Ho	Analytical chemistry	communicated
3	Electrochemical detection of pesticides using single drop micro extraction	S. Viswanathan, and Ja-an Annie Ho	Analytica Chimica Acta	communicated

Research papers presented in conferences

No	Title	Authors	Conference	Date &Place
1	Development of Electroanalytical Method for Malathion	P.Manisankar, H.Gurumallesh Prabu, S.Viswanathan and G.Selvanathan	National Seminar on Recent Trends in Material Science	03 rd May 1999 Alagappa University, Karaikudi
2	Electrochemical treatment for pesticides	P.Manisankar, H.GurumalleshPrabu, G.Selvanathan and S.Viswanathan	National Seminar on Recent Trends in Material Science	03 rd May 1999 Alagappa University, Karaikudi
3	Electrochemical destruction of Disperse Red-17 dye effluent in a Batch reactor	P.Manisankar, C.Rani and S.Viswanathan	IAEM Annual Conference on Environmental Management in the next Millennium: Technology – Human resource Linkage	17-18. December 1999 National Environmental Engineering Research Institute Nagpur
4	Complete Decolourisation of Distillery Effluent by Electrochemical Method	P.Manisankar, S.Viswanathan and, C.Rani	IPC- 2000- National Seminar on Industrial Pollution and its control	18-19 Februry 2000 at Banaras Hindu University Varanasi
5	Electroanalytical studies of Chlorpyrifos, An Organophosphorus Insecticide	P. Manisankar, C.Rani and S. Viswanathan	ELAC-2000	November 27- December 1, 2000 Bhabha Atomic Research Center, Mumbai. 400 085
6	Electroanalytical studies of dicofol, an organochlorine acaricide	P.Manisankar, C.Rani and S. Viswanathan.	2 nd International seminar on analytical methods in monitoring the environment	18-20 December, 2000 Sri Venkateswara University Tirupathi, India
7	Substituents effect on voltammetric behaviour of N-(p-x-benzylidene) phenylamine N-Oxides	P.Manisankar, R. Hariharaputhran, T.Vasudevan, C.Rani and S.Viswanathan	National seminar on recent trends in physical organic chemistry	29 th March,2001 Department of chemistry, V.H.N.S.N. College, Virudhunagar
8	Flow Analysis of Organic Pollutants Using Wall Jet Electrode	P. Manisankar, G.Selvanathan, S.Viswanathan and H. Gurumallesh Prabu	National seminar on hydro(solvo)thermal synthesis and applications	24-25 th January 2002 M.S. University Thirunelveli- 627012
10	Electrochemical behaviour of direct orange 8	P. Manisankar, S.viswanathan and H. Gurumallesh Prabu	National seminar on hydro (solvo) thermal synthesis and applications	24-25 th January 2002 M.S. University Thirunelveli- 627012
11	Voltammetric Determination of Dicofol using Carbon Paste electrode Modified With Silicone OV-17.	P. Manisankar, D. Jestinroy, C.Rani and S.Viswanathan	Seventh international symposium on Advances in Electrochemical Science and Technology	27-29 November 2002 Chennai-India
12	Electrochemical recovery of tungsten from tungsten carbide waste scarp	S. Viswanathan , K.V. Venkateswaran, G.N. Srinivasan.	Seventh international symposium on Advances in Electrochemical Science and Technology	27-29 November 2002 Chennai-India
13	An ecofriendly	P.Manisankar*,	International conference	27-29 August 2003

	water treatment technique using electrochemically assisted Fenton's reagent for in situ destruction of dyes.	S.Viswanathan , C.Rani , C.Vedhi and Rm. Somasundaram	on chemical and bioprocess engineering	University of Malaysia Sabah, Kota Kinabalu
14	Indirect electrosynthesis of chlorobenz- aldehydes	P. Manisankar, V. Devados and S.Viswanathan	NATSEM 2004	6-7 March 2004 Gandhigram Rural Institute Deemed University Gandhigram- Dindigal
15	Electrochemical determination of monocrotophos by square wave stripping voltammetry on riboflavin modified glassy carbon	P. Manisankar, S.Viswanathan and C. Rani	National seminar on role of chemistry in the emerging areas of applied sciences-2004	15-17 MArch 2004 ISAS & Sri Venkateswara University Tirupathi, India

References

1. Dr. P. Manisankar, Professor and Head, Department of chemistry, Periyar University, Selam, PIN 636 011 Tamil Nadu. INDIA Email: pms11@rediffmail.com	2. Dr.Ja-an Annie Ho Assistant Professor Department of chemistry National Tsing Hua University 101, Section 2 Kuang Fu Road, Hsinchu, TAIWAN- 30013, Republic of China Email: jaho@mx.nthu.edu.tw
3. Dr. T. Vasudevan, Professor and Head, Department of Industrial chemistry, Alagappa University, Karaikudi-630003, Tamil Nadu. INDIA.	4. Dr. K.N. Somaseharan Dean, School of chemical and biotechnology Shanmugha Arts, Science, Technology and Research Academy-Deemed University Thanjavur, Tamilnadu, 613 402 INDIA