

# CURRICULUM VITAE

**Dr T. MAIYALAGAN M.Sc., Ph.D.,**

**Email:** [maiyalagan@gmail.com](mailto:maiyalagan@gmail.com)

**Website:** <http://maiyalagan.weebly.com/>  
<http://nccr.iitm.ac.in/scholar/maiyalagan.html>  
<http://www.researcherid.com/rid/C-5716-2011>



## ACADEMIC QUALIFICATIONS

Degree	Year of Passing	University	Subject	Class
B.Sc	April 1999	University of Madras	Chemistry	FIRST
M.Sc	April 2001	University of Madras	Chemistry	FIRST
Ph.D	July 2007	Indian Institute of Technology- Madras	Physical Chemistry	Highly Commended

## ACADEMIC AND RESEARCH EXPERIENCE:

Period	Position	Institution
1 <sup>st</sup> August 2012- till date	Post doctoral Fellow	University of Texas, Austin, USA
21 <sup>st</sup> February 2011- 31 <sup>st</sup> July 2012	Research Fellow	School of Chemical and Biochemical Engineering Nanyang Technological University, Singapore
March 2010- 4th February 2011	Post doctoral Fellow	Hydrogen South Africa (HySA) Systems South African Institute of Advanced material Chemistry University of Western Cape, South Africa
September 2008 – February 2010	EPSRC funded Post doctoral Research Associate	Newcastle University , United Kingdom <a href="http://www.ncl.ac.uk/">http://www.ncl.ac.uk/</a>
March 2007- July 2008	Assistant Professor (Previous Designation: Lecturer)	VIT University, India <a href="http://www.vit.ac.in/">http://www.vit.ac.in/</a>
2003-2007	Senior Research Fellow (CSIR; Govt. of India.)	Indian Institute of Technology, Madras, India <a href="http://www.nccr.iitm.ac.in/">http://www.nccr.iitm.ac.in/</a>
2001-2003	Junior Research Fellow (Directly awarded by CSIR; Govt. of India.)	Indian Institute of Technology, Madras, India <a href="http://www.nccr.iitm.ac.in/">http://www.nccr.iitm.ac.in/</a>

(a) Teaching Experience

Duration	Organisation	Area(s)
4 years 1 year 4 months	IIT Madras VIT University	Physical Chemistry Physical Chemistry

(b) Courses Taught

Course Number & Title	UG Level / PG Level	Year taught	Whether course developed by you
Material chemistry	B.Tech	2007	-
Engineering Chemistry	B.Tech	2008	-
Engineering Chemistry Lab	B.Tech	2008	-
Materials and Instrumentation Techniques Lab	B.Tech	2007	-
05MSH413L Physical chemistry Practical-I	MSc	2007	-
05MSH405 Chemical Kinetics and Surface Chemistry	MSc	2007	-
05MSH501 Materials Chemistry	MSc	2008	-

**Visits Abroad:**

USA, UK, South Africa, Portugal, Spain, Germany and Singapore

**MASTER STUDENTS GUIDED**

S.No.	Name of Student	Year of Completion	Title of Thesis	Co-Supervisors (if any)
1	K.C.Divya	2008	Platinum based electrocatalysis for fuel cell application	-
2	Binod Rai	2008	Nanostructured electrode materials for supercapacitors	-
3	M. Kamesh	2008	Synthesis of long chain aliphatic allylic alcohols as pharma intermediates	Dr. V.JAYATHIRTA RAO, DEPUTY DIRECTOR,ICT
4	Pratap Paritala	2008	Ring transformation reactions of isoxazolines	-

**AREA OF RESEARCH/INTEREST:**

**Nanotechnology:**

- ❖ Synthesis, characterization, properties and applications of one-dimensional nanostructures, such as carbon nanotubes, nanowires and nanorod

**Fuel Cells and Energy Storage:**

- ❖ Catalyst and support materials for improved durability of electrocatalyst formulations in fuel cells
- ❖ Electrochemical reaction kinetics and mechanisms

- ❖ Electrochemical analysis of fuel cell materials
- ❖ Full assembly of a fuel cell membrane electrode assembly (MEA)
- ❖ Fabrication of ABPBI-Based Gas Diffusion Electrodes and Study of Its Membrane Electrode Assembly Characteristics for High Temperature PEM Fuel Cells
- ❖ Analyzation of MEA polarization curves

#### Electrochemical Biosensors:

#### Waste water Treatment through adsorption:

#### Homogeneous and Heterogeneous catalysis:

### FELLOWSHIPS, HONOURS AND AWARDS

- ❖ Ranked at the 97.32 percentile in the all India graduate aptitude test of engineering (GATE), 2001.
- ❖ Received postgraduate merit scholarship award based on written competitive examination from the Center for Scientific and Industrial Research (CSIR), 2001.
- ❖ 2005 Travel Award from the Department of Science and Technology (DST) to attend the “FUEL CELL SEMINAR 2005 Conference” in Palm Springs, California USA.
- ❖ 2005 Travel Award from the Council of Scientific and Industrial Research (CSIR) to attend the "FUEL CELL SEMINAR 2005 Conference" in Palm Springs, California USA.
- ❖ 2006 Science Direct Top 25 Hottest Articles for the journal Electrochemistry Communications.
- ❖ 2006 Science Direct Top 25 Hottest Articles for the journal Material chemistry and physics.
- ❖ Research Highlight in Bulletin of Material science journal cover page 29 (2006)
- ❖ Best Poster presentation in National conference on Emerging Trends in Crystal Growth and Nanomaterials (NECAN2008): held in Loyola College, Chennai, February 29<sup>th</sup> 2008.
- ❖ 2008 Travel Award from the Department of Science and Technology (DST) to attend the “2nd International conference on Advanced Nanomaterials (ANM2008): held in Aveiro, Portugal, June 22- June 25<sup>th</sup> 2008.
- ❖ 2008 runner up for Elsevier - Materials Today journal cover competition.

### REFEREE OF RESEARCH PAPERS FOR

- ❖ Synthetic Metals -1
- ❖ Applied Catalysis B Environmental -10
- ❖ Journal of Solid State Electrochemistry-4
- ❖ Journal of Applied Electrochemistry -2
- ❖ Journal of Electroanalytical chemistry -1
- ❖ Electrochimica Acta -2
- ❖ Electrochemistry Communications- 2
- ❖ Catalysis Communications -1
- ❖ Journal of Nanomaterials-1
- ❖ Physica E-1

- ❖ International Journal of Hydrogen Energy-3
- ❖ Journal of Material Chemistry- 1
- ❖ Electrochemical and Solid state Letters-1
- ❖ Material Research Bulletin -1

### **Analytical/ Instrument Handled:**

Usual experimental measurements can be manipulated very well, such as the measurements of XRD, XPS, Nitrogen porosimetry, FT- IR, TG-DTA, AFM, FE-SEM, TEM, UV-Vis, Cyclic voltammetry and impedance spectroscopy, Fuel Con Test stand, Green Light Test Stand etc.

### **Projects Handled:**

- ❖ Development of electrocatalysts for Direct Methanol Fuel Cell Applications, Columbian Chemicals Company, USA, 2002 – 2004

### **AFFILIATIONS**

- ❖ Catalysis society of India

### **LIST OF SPECIAL TRAINING COURSES / WORKSHOPS ATTENDED**

- ❖ Summer Training program on Advanced Physical Chemistry –Regional Sophisticated Instrumentation Center - IIT Madras, June 26 - July 25, 2000.
- ❖ Course on Fuel cells - Principles and Applications - IIT Madras, June 17- June 22, 2002.
- ❖ Refresher course on " Orientation Programme in Catalysis "- IIT Kharagpur, December 2002
- ❖ Participated "*SERC School on Polymer Based Composites & Nanocomposites*" 26.11.07 – 01.12.07 at Indian Institute of Technology, New Delhi

### **INVITED TALK**

**T. Maiyalagan** "Nanotube and nanorods for fuel cells" in National conference on Emerging Trends in Crystal Growth and Nanomaterials (NECAN2008): held in Loyola College, Chennai, February 29<sup>th</sup> 2008.

**T. Maiyalagan** "Polymer Nanocomposites For Fuel Cell Applications" in Second international conference on polymer blends composites, IPNS, membranes poly electrolytes and gels: (ICBC-2008): September 22 and 24, 2008, Kottayam, Kerala, India.

**Impact of my work:**My *h* index is 12 (as of January 25, 2013).

Total Citations = 420

**FULL LIST OF PUBLICATIONS**

Publication(in chronological order starting with the most recent work)

N°	Authors, Title, journal, Vol., page and Year	Number of Co-Authors	Role of the Applicant (FA/CA) ※
50	<b>T. Maivalagan</b> , Xin Wang* Template synthesis of aligned tungsten carbide nanotubes as highly efficient electrocatalyst support for fuel cell applications, <i>Advanced Materials</i> (in preparation)	1	FA
49	<b>T. Maivalagan</b> , Xin Wang* Enhanced activity of Cobalt Oxide Nanowire Arrays in three dimensional graphene for the electrochemical evolution of oxygen ( in preparation)	2	FA
48	<b>T. Maivalagan</b> , Xin Wang* Highly active Pd and Pd-Au catalysts supported on PDDA functionalized Graphene nanoplatelets for formic acid oxidation <i>Journal of Power Sources</i> (2012) (submitted)	1	FA
47	<b>T.Maivalagan*</b> , P.Siva Kumar*, V.Linkov Physiochemical characterization and investigation of the effects of electrode parameters on the performance of Phosphoric acid doped ABPBI membrane fuel cells, <i>Journal of Power Sources</i> (2012) (submitted)	2	FA
46	H.Wang, <b>T. Maivalagan</b> , Xin Wang A review on recent progress in nitrogen-doped graphene: synthesis, characterization and its potential applications, <i>ACS Catalysis</i> 5(2012) 781	2	-
45	<b>T. Maivalagan</b> , X. Dong, P. Chen, Xin Wang* Electrodeposited Pt on three dimensional interconnected graphene as free-standing electrode for fuel cell application, <i>Journal of Material Chemistry</i> 22 (2012) 5286.	3	FA
44	A.N. Valisi, <b>T. Maivalagan</b> ,* L. Khotseng, V. Linkov, S. Pasupathi, Effects of heat treatment on the catalytic activity and methanol tolerance of carbon supported platinum alloys <i>Electrocatalysis</i> (2012) (IN PRESS)	4	CA
43	<b>T.Maivalagan*</b> , Abubakramine,T.O.Alaje,M.Bron, K. Scott, Three Dimensional Cubic Ordered Mesoporous Carbon (CMK-8) as Highly Efficient stable Pd Electro-catalyst Support for Formic Acid Oxidation, <i>Journal of Power Sources</i> 211(2012) 147.	4	FA/CA

42	<b>T.Maiyalagan*</b> , T.O.Alaje, K.Scott, Highly stable Pt-Ru nanoparticles supported on three dimensional cubic ordered mesoporous carbon (Pt-Ru/CMK- 8) as promising electro-catalysts for methanol oxidation <i>Journal of Physical Chemistry C</i> , 116, 2630 (2012)	2	FA/CA
41	C. Mahendiran*, <b>T.Maiyalagan</b> , P.Vijayan, C. Suresh, K. Shanthi V-Mn-MCM-41 catalyst for vapour phase oxidation of o-xylene <i>Reaction Kinetics, Mechanisms and Catalysis</i> 105 (2012) 469	4	-
40	C. Felix, <b>T. Maiyalagan</b> , S. Pasupathi*, B. Bladergroen, V. Linkov, Synthesis, characterization and evaluation of IrO <sub>2</sub> based binary metal oxide electro-catalysts for Oxygen evolution reaction, <i>International Journal of Electrochemical Science</i> (2012) (in press)	4	-
39	S.Suresh, R. Wilfred Sugumar, <b>T. Maiyalagan</b> , A Low cost adsorbent prepared from curcuma angustifolia scales for removal of basic violet 14 from aqueous solution, <i>Environmental Technology</i> (2012) (in press)	2	CA
38	F. Nawaz Khan ,P. Manivel, K. prabakaran, J.S. Jin, E.D.Jeong, H.J. Kim, <b>T. Maiyalagan</b> ,Iron-oxide nanoparticles mediated cyclization of 3-(4-chlorophenyl)-1-hydrazinylisoquinoline to 1-(4,5-dihydropyrazol-1-yl)isoquinolines, <i>Research on Chemical Intermediates</i> 38,571 (2012)	6	-
37	<b>T.Maiyalagan*</b> , S.Karthikeyan Film-Pore diffusion modeling for sorption of Azo dye on to exfoliated graphitic nanoplatelets, <i>Indian Journal of Chemical Technology</i> (2012) (in press)	1	FA
36	F. Nawaz Khan ,P. Manivel, K. prabakaran, J.S. Jin, E.D.Jeong, H.J. Kim, <b>T. Maiyalagan</b> ,Iron-oxide nanoparticles mediated cyclization of 3-(4-chlorophenyl)-1-hydrazinylisoquinoline to 1-(4,5-dihydropyrazol-1-yl)isoquinolines, <i>Research on Chemical Intermediates</i> 38,571 (2012)	6	-
35	<b>T. Maiyalagan*</b> , C. Mahendiran, K. Chaitanya, R. Tyagi, F. Nawaz Khan,Electro-catalytic performance of Pt-supported poly (o-phenylenediamine) microrods for methanol oxidation reaction <i>Research on Chemical Intermediates</i> ,38,571 (2012)	4	FA/CA
34	L. Arun Jose, J. Mary Linet, V. Sivasubramanian, A.K. Arora, C. Justin Raj, <b>T. Maiyalagan</b> , S. Jerome Das, Optical studies of nano-structured La-doped ZnO prepared by combustion method <i>Materials Science in Semiconductor Processing</i> (2012) (in press)	6	-
33	S.Suresh, R. Wilfred Sugumar and <b>T. Maiyalagan</b> Adsorption of Methylene Blue onto Activated Carbon Prepared from <i>Murraya koenigii</i> (Curry tree) Stems <i>Asian Journal of Chemistry</i> 23 (2011) 4486	2	-
32	S. Suresh*, R.Wilfred Sugumar, <b>T. Maiyalagan</b> Adsorption study of Acid Red 18 from aqueous solution on to activated carbon prepared from <i>Murraya koenigii</i> (curry tree) seeds , <i>Asian Journal of Chemistry</i> 23(2011) 219	2	-
31	C. Mahendiran, <b>T.Maiyalagan</b> , Keith Scott , A. Gedanken* Synthesis of Carbon coated NiO/MgO core/shell Nanocomposite as Pd electro-catalyst support for ethanol oxidation, <i>Material Chemistry and Physics</i> (2011) (in press)	3	-
30	A. B. Kashyout*, Abu Bakr A.A. Nassr, Leonardo Giorgi, <b>T. Maiyalagan</b> , Bayumy A. B. Youssef, Electrooxidation of methanol on carbon supported Pt-Ru nanocatalysts prepared by ethanol reduction method, <i>International Journal of Electrochemical Science</i> 6 (2011) 369	4	-
29	<b>T. Maiyalagan</b> , P.Siva kumar*,Components of Proton exchange membrane fuel cells – an overview, <i>Material Science Forum</i> 256(2010) 143	1	FA
28	<b>T.Maiyalagan</b> , Keith Scott* ,Performance of Carbon nanofiber supported Pd- Ni catalysts for electro-oxidation of ethanol in alkaline medium <i>Journal of Power Sources</i> 195(2010) 5246	1	FA
27	<b>T.Maiyalagan*</b> , B.Viswanathan,Synthesis, characterization and electro-catalytic activity of Pt	1	FA/CA

	supported on poly (3, 4- Ethylenedioxythiophene)/ V2O5 nanocomposites for methanol oxidation, <i>Material Chemistry and Physics</i> 121 (2010) 165		
26	P. Manivel, <b>T. Maiyalagan</b> , Ashok Sharma, , M.R. Rajeswari, F. Nawaz Khan* Synthesis and antiproliferative activity of some 1Hisochromen-1-ones and their thioanalogues, Phosphorus, Sulfur, and Silicon and the Related Elements 185(2010)387	4	-
25	R.Subashini, V.R. Hathwar, <b>T. Maiyalagan</b> , G.G.K. Reddy, F.N. Khan*, 3-Acetyl-6-chloro-1-ethyl-4-phenyl-quinolin-2(1H)-one <i>Acta Cryst. E</i> 65 (2009) o1800.	4	-
24	K. Prabakaran, V.R. Hathwar, <b>T. Maiyalagan</b> , M.V. Kirthana, F.N.Khan*, Methyl 2-methyl-2H-1,2,3-triazole-4-carboxyl-ate <i>Acta Cryst. E</i> 65 (2009) o1752	4	-
23	P.Manivel, V. R. Hathwar, <b>T. Maiyalagan</b> , V. Krishnakumar, F.N.Khan*, 1-(3,5-Dimethyl-1H-pyrazol-1-yl)-3-phenyl-isoquinoline <i>Acta Cryst. E</i> 65 (8), (2009) o1798	4	-
22	<b>T. Maiyalagan*</b> , Silicotungstic acid stabilized Pt-Ru nanoparticles supported on Carbon Nanofibers electrodes for methanol oxidation' <i>International Journal of Hydrogen Energy</i> 34 (2009) 2874.	0	FA/CA
21	<b>T. Maiyalagan*</b> , B. Viswanathan, Electrochemical fabrication and characterization of Poly (o-phenylenediamine) nanotube using the template method, <i>Indian Journal of Chemistry. Sec (A)</i> 48A (2009) 198.	1	FA
20	<b>T. Maiyalagan*</b> , B. Viswanathan, Electrochemical fabrication and characterization of Poly (o-phenylenediamine) nanotube using the template method, <i>Indian Journal of Chemistry. Sec (A)</i> 48A (2009) 198.	1	FA
19	K. Prabakaran <b>T. Maiyalagan</b> , Venkatesha R. Hathwar, K. Canan and F. Nawaz Khan*, Methyl 1H-1,2,3-triazole-4-carboxylate " <i>Acta Cryst. E</i> 65 (2009), o300	4	-
18	P. Nithya, V. R. Hathwar, <b>T. Maiyalagan</b> , C. Kazak and F. Nawaz Khan*, " 1,3-dimethyl-2,6-diphenylpiperidin-4-one" <i>Acta Cryst. E</i> 65 (2009) o400	4	-
17	<b>T. Maiyalagan</b> , Venkatesha R. Hathwar, P. Manivel, N. Burcu Arslan and F. Nawaz Khan*, "3-(4-Methoxyphenyl)-1H-isochromen-1- One " <i>Acta Cryst. E</i> 65 (2009) o128	4	FA
16	P. Manivel, Venkatesha R. Hathwar, <b>T. Maiyalagan</b> , N. Burcu Arslan and F. Nawaz Khan*, " 1-(3-Fluoro-4-Chlorophenyl)-2-[3-phenylisoquinoline-1-yl]thio]ethanone" <i>Acta Cryst. E</i> 65 (2009) o400	4	-
15	<b>T. Maiyalagan*</b> , F.N. Khan, Electrochemical oxidation of methanol oxidation on Pt-V <sub>2</sub> O <sub>5</sub> /C composite catalysts, <i>Catalysis Communications</i> 10 (2009) 433	1	FA/CA
14	<b>T. Maiyalagan*</b> , Pt-Ru nanoparticles supported PAMAM dendrimer functionalized carbon nanofiber composite catalysts and their application to methanol oxidation, <i>Journal of Solid State Electrochemistry</i> 13 (2009) 1561.	0	FA/CA
13	<b>T. Maiyalagan</b> and B. Viswanathan*, Catalytic activity of Pt /WO <sub>3</sub> nanorod electrodes towards electro-oxidation of methanol <i>Journal of Power Sources</i> 175 (2008) 789.	1	FA
12	S. Mohana Roopan, <b>T. Maiyalagan</b> , F. Nawaz Khan*, Solvent Free Synthesis of Quinazolin-4(3H)-ones, <i>Canadian Journal of chemistry</i> 86 (2008) 1019.	2	CA
11	<b>T. Maiyalagan*</b> Synthesis, Characterization and electro-catalytic activity of silver nanorods towards the reduction of benzyl chloride <i>Applied Catalysis A</i> 340 (2008) 191.	0	FA/CA

10	<b>T. Maiyalagan*</b> , Synthesis and Electro-Catalytic Activity of Methanol Oxidation on Nitrogen Containing Carbon Nanotubes Supported Pt Electrodes, <i>Applied Catalysis B Environmental</i> 89 (2008) 286.	0	FA/CA
9	<b>T. Maiyalagan*</b> Electrochemical Synthesis, Characterization and Electro-Oxidation of Methanol on Platinum Nanoparticles Supported Poly (o-Phenylenediamine) Nanotubes, <i>Journal of power sources</i> 179 (2008) 443.	0	FA/CA
8	<b>T. Maiyalagan</b> and B. Viswanathan*, Fabrication, morphology and structural characterization of Tungsten oxide nanorods, <i>Material science an Indian journal</i> 4 (2007) 225	1	FA
7	M. Jambulingam, S. Karthikeyan*, P. Sivakumar, J. Kiruthika and <b>T. Maiyalagan</b> , Characteristic studies of some activated carbons from agricultural wastes, <i>Journal of Scientific &amp; Industrial Research</i> 66 (2007) 495.	4	-
6	<b>T. Maiyalagan</b> , B. Viswanathan* and U. V. Varadaraju Fabrication and Characterization of uniform TiO <sub>2</sub> nanotubes <i>Bulletin of Material science</i> 29(2006) 705 (The paper has been featured on the journal cover).	2	FA
5	<b>T. Maiyalagan</b> , B. Viswanathan* and U. V. Varadaraju, Nitrogen Containing Carbon nanotubes as Supports for Pt- Alternate Anodes for Fuel Cell Applications- (Research Trends), <i>Fuel cells Bulletin</i> 2 (2006) 15.	1	FA
4	<b>T. Maiyalagan</b> and B. Viswanathan*, Template Synthesis of Carbon Nanotubes by Carbonization of Polyparaphenylene <i>Indian Journal of Chemistry. Sec (A)</i> 45A (2006) 182	1	FA
3	<b>T. Maiyalagan</b> , B. Viswanathan* and U. V. Varadaraju, Electro-oxidation of Methanol on Pt supported TiO <sub>2</sub> Nanotube <i>Journal of Nanoscience and Nanotechnology</i> 6 (2006) 2067.	2	FA
2	<b>T. Maiyalagan</b> and B. Viswanathan*, Template Synthesis and Characterization of Nitrogen containing Carbon Nanotubes <i>Material Chemistry and Physics</i> , 93 (2005) 291.	1	FA
1	<b>T. Maiyalagan</b> , B. Viswanathan* and U. V. Varadaraju., Nitrogen Containing Carbon Nanotubes as Supports for Pt – Alternate Anodes for Fuel Cell Applications <i>Electrochemistry Communications</i> 7 (2005) 905	2	FA

## (B) PAPERS IN CONFERENCES

1	<b>T. Maiyalagan</b> and B. Viswanathan (2004) Nitrogen containing carbon nanotubes as supports for Pt for fuel cell electrode applications. Presented in "THE 13 <sup>TH</sup> INTERNATIONAL CONGRESS ON CATALYSIS" on JULY 11-16, 2004 at Paris, France
2	<b>T. Maiyalagan</b> and B. Viswanathan (2003) Carbon nanotubes as supports for Pt – a new generation anodes for DMFC Presented in National seminar on "Fuel To Fuel Cells " on DEC 4-5, 2003 at Indian Institute Of Chemical Technology, Hyderabad, India
3	<b>T. Maiyalagan</b> and B. Viswanathan (2004) Nitrogen containing carbon nanotubes as supports for Pt for fuel cell electrode applications Presented in "Advances In Catalysis " on JAN 6-7, 2004 at LOYOLA COLLEGE, Chennai, India
4	<b>T. Maiyalagan</b> and B. Viswanathan (2004) Nitrogen containing carbon nanotubes as supports for Pt – alternate anodes for Fuel cell applications. Presented in National seminar on "Creating Infrastructure For Adoption Of Fuel Cell Technology In India " on April 15, 2004 at National Thermal Power Corporation, Noida, India
5	A. Sakti and <b>T. Maiyalagan</b> (2005) Carbon Nanotubes as supports for Anodes in Direct Methanol Fuel Cell Presented in National



	Seminar on "Physics for Advanced Engineering and Technology" from 3rd - 5th March, 2005 (NSPAET – 2005) Visvesvaraya National Institute of Technology, VNIT, NAGPUR
6	<b>T. Maivalagan</b> , B. Viswanathan, U. V. Varadaraju, B. K. Pradhan, B. Srinivas (2005) Electrooxidation of methanol on TiO <sub>2</sub> nanotube electrodes in FUEL CELL SEMINAR on 14th NOV 2005 at Palm springs, California, USA
7	S. Karthikeyan, A. Jafar Ahamed, <b>T. Maivalagan</b> , D. Saravanan (2007) Removal and Recovery of Cr (VI) from Wastewater Using an Agricultural Waste Material: Jatropha curcas Seed Shell in Proceedings of 3rd ICCE (International Congress of Chemistry and Environment) on 18-20th NOV 2007 at Kuwait
8	S. Mohana Roopan, <b>T. Maivalagan</b> , F. Nawaz Khan "Synthesis & Crystal Studies of N- Heterocyclic Compounds" National conference on Emerging Trends in Crystal Growth and Nanomaterials (NECAN2008): held in Loyola College, Chennai, February 29 <sup>th</sup> 2008.
9	P. Manivel, <b>T. Maivalagan</b> , S. Mohana Roopan, Venkatesha R. Hathwar, T. N. Guru Row, F. Nawaz Khan Role of weak intermolecular interactions and $\pi$ - $\pi$ stacking interactions in the packing of thioisocoumarin derivatives" National conference on Emerging Trends in Crystal Growth and Nanomaterials (NECAN2008): held in Loyola College, Chennai, February 29 <sup>th</sup> 2008.
10	<b>T. Maivalagan</b> , Binod Rai "Pt nanoparticles supported Poly (o-phenylenediamine) microtubules as electrocatalysts for Direct Methanol Fuel Cell anodes" National conference on Emerging Trends in Crystal Growth and Nanomaterials (NECAN2008): held in Loyola College, Chennai, February 29 <sup>th</sup> 2008.
11	<b>T. Maivalagan</b> Functionalizing Carbon Nanofibers with Silicotungstic acid and Catalytic Nanoparticles for Fuel cell Applications in 2nd International conference on Advanced Nanomaterials (ANM2008): held in Aveiro, Portugal, June 22- June 25 <sup>th</sup> 2008.
12	C.K. Subramaniam, <b>T. Maivalagan</b> , P. Sangeetha, A.M. Prasad, G. Velayutham and Sri Bollepalli Graphene for energy storage in electrochemical double layer capacitor in International Conference on Nano Science and Technology (ICONSAT) will be held at Hotel Taj Krishna, Hyderabad, India, during January 20 - 23, 2012

### Additional information

I have never been convicted of a criminal offence.

I am non-smoker

I am non- alcohol drinker

I hold driving license

The facts stated in this C.V. are true and correct to the best of my knowledge.

January 25, 2013

**T. Maivalagan**