

## **BIO-SKETCH OF DR.D.SIVAKUMAR**



### **PERSONAL DETAILS**

Name : **Dr. D. SIVAKUMAR, B.E., M.Tech., Ph.D.,**  
Date of Birth : 03.07.1974  
Present Address : E-203, Second Floor, Moon Light Apartment,  
No. 16, Hospital Road, Cholapuram, Ambattur,  
Chennai – 600053, Tamil Nadu, INDIA.  
Email ID : shri.sivakumar1974@gmail.com  
Mobile Number : +91-9790973774; +91-8608654322

### **ACADEMIC PERFORMANCE**

Dr.D.Sivakumar was born in Madurai, Tamil Nadu, India, in 1974. Dr.D.Sivakumar received his B.E. Degree in Agricultural Engineering, Tamil Nadu Agricultural University, Coimbatore, M.Tech. Degree in Civil Engineering from Indian Institute of Technology Madras, Chennai with a specialization of Hydraulics & Water Resources Engineering and Ph.D. Degree in Civil Engineering from Anna University, Chennai with a specialization in Environmental & Water Resources Engineering in the year March 1997, December 1998 and October 2008 respectively.

### **TEACHING / RESEARCH / INDUSTRY EXPERIENCES**

He worked in various Engineering Colleges and Organizations such as AAMEC, SASTRA, HCL, VMU, and ECE. He is currently working in the Department of Civil Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College as Professor. He had 21 years of Teaching, Research and Industrial experiences.

### **RESEARCH PERFORMANCE (end of June 2019)**

Type of Indexing	Website Address	h-Index	i10-Index	Total Citation
Scopus	<a href="http://www.scopus.com/authid/detail.uri?authorId=56436939400#">http://www.scopus.com/authid/detail.uri?authorId=56436939400#</a>	15	19	432
Google Scholar	<a href="https://scholar.google.co.in/citations?hl=en&amp;user=57iXYV8AAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=57iXYV8AAAAJ</a>	18	23	642
Research gate	<a href="https://www.researchgate.net/profile/Sivakumar_Durairaj2">https://www.researchgate.net/profile/Sivakumar_Durairaj2</a>	17	22	581

### **TOPICS OF RESEARCH INTEREST**

Adsorption; Biogeochemistry; Bioremediation (soil and groundwater); Contaminant degradation and transformation; Contaminant transport modeling; Environmental biotechnology; Environmental management; Geographical Information System; Groundwater quality modeling; Phytoremediation; Solid waste leachate management; Surface water quality modeling; Water and wastewater pollution reduction.

## PATENT DETAILS

Sl. No.	Name of the Inventors	CBR No.	Reference Number / Application Type	Application Number	Title / Remarks
1.	Dr.D.Sivakumar Dr.B.S.Thandaveswara	23266	Ordinary Application (E-2/5457/2014-CHE)	<b>6275/CHE/2014 (published and Examination Completed)</b>	Lumped Landfill Leachate Production Model For Leachate Flow
2.	Dr.D.Sivakumar Dr.B.S.Thandaveswara	23267	Ordinary Application (E-2/5458/2014-CHE)	<b>6276/CHE/2014 (published and Examination Completed)</b>	Analytical Model Development On Leachate Volume Computation From Solid Waste
3.	Dr.D.Sivakumar	10161	Ordinary Application E-2/1515/2015-CHE	<b>2572/CHE/2015 (published)</b>	Adsorption, Isotherm And Kinetic Studies On Electroplating Industry Wastewater Using Albizia Lebbeck
4.	Dr.D.Sivakumar Dr.B.S.Thandaveswara	32449	Ordinary Application E-2/3522/2016-CHE	<b>201641040657 (registered)</b>	Simultaneous Pollution Reduction cum Power Generation from Solid Waste Leachate
5.	Dr.D.Sivakumar	32449	Ordinary Application E-2/3523/2016-CHE	<b>201641040658 (registered)</b>	Removal of Fluoride in A Ground Water Using the Activated Carbon of Prosopis-Juliflora

## RESEARCH & DEVELOPMENT PROJECTS COMPLETED

Sl.No.	Title	Principal Investigator / Coordinator	Period	Amount, Rs. in Lakhs	Status
1.	A study of flow through porous media in converging boundary (Lr.No.20/AICTE/RIFD/RPS(Policy-1)34/2013-14)	Co-Principal Investigator	3 Years	15.65	<b>Completed on 01.06.2016 (Sponsored by AICTE)</b>

## RECENTLY SANCTIONED PROJECT

Title	:	<b>VALIDATION OF EXPERIMENTAL INVESTIGATIONS WITH MODEL FOR THE FLOW THROUGH POROUS MEDIA IN PARALLEL AND VERTICAL BOUNDARIES</b>
Name of the Investigators	:	Dr.D.Sivakumar, Professor, Department of Civil Engineering
Approved Reference Number	:	Provisionally Granted – November 2018
Duration	:	3 Years
Amount Applied	:	Rs. 24,96,471
Sponsored by	:	AICTE, New Delhi

## RESEARCH & DEVELOPMENT PROJECTS COMPLETED / ONGOING / SUBMITTED

Sl.No.	Title	Investigator / Coordinator	Period	Amount, Rs. In Lakhs	Status
1.	A model study of flow through porous media in parallel boundary	Principal Investigator	3 Years	49.59	Submitted to MoWR On 05th Aug. 2016 (Final Stage)
2.	Simultaneous Bioelectricity Generation And Landfill Leachate Treatment In A Microbial Fuel Cell	Principal Investigator	3 Years	49.37	Submitted to DBT on 31.10.2016
3.	Heavy Metals Removal From Electroplating Industry Wastewater Using Sono-Electrocoagulation - A Novel Approach	Principal Investigator	3 Years	49.705	Submitted to DST - SERB on 31.12.2016 (Second Stage)

4.	An Experimental Investigations and Model Development for the Flow Through Porous Media in Parallel Boundary	Principal Investigator	3 Years	24.95	Submitted to AICTE on 09.01.2017
5.	Landfill leachate treatment and simultaneous bioelectricity generation – a microbial fuel cell	Principal Investigator	3 Years	49.88	Submitted to DST - SERB on 1.07.2017

**NATIONAL CONFERENCE / SEMINAR / WORKSHOP AND FACULTY DEVELOPMENT PROGRAM ORGANISED THROUGH GRANTS**

S.No.	Title	Period
1.	National Conference on Multi Challenges in Water and Wastewater Treatment Technologies – MCWWTT'14 (AICTE – Sponsored Programme – Rs. 2,00,000/-) Coordinator <b>F.No.7-74/RIFD/SG/Policy-1/2013-14</b>	24 January 2014
2.	National Seminar on Quest for Innovations in Civil Engineering (CSIR–Sponsored Programme – Rs. 30,000/-) Coordinator <b>Letter No.SYM/8148/13-HRD</b>	30 October 2013
3.	National Conference on Air Pollution Monitoring and Control (ISTE – Sponsored Programme – Rs. 10,000/-) – Coordinator	28,29 April 2005
4.	One day National Workshop on Awareness on Environment and Pollution (AICTE – Sponsored Programme – Rs. 50,000/-) – Coordinator	24 September 2004
5.	Short term programme on Industrial safety and Environment (AICTE –Sponsored Programme – Rs. 1, 25,000/-) – Co-coordinator	15 – 27, March 2004

**NATIONAL CONFERENCES / SYMPOSIUM ORGANIZED**

S.No.	Title	Period
1.	National Conference on Air Pollution Monitoring and Control (ISTE – Sponsored Programme – Rs. 10,000/-) – Coordinator	28,29 April 2005
2.	National Symposium – ACE'10 – Convenor	30 August 2010
3.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME'11 – Convenor	11 August 2011
4.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME'12 – Convenor	17 August 2012
5.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME'13 – Convenor	05 September 2013
6.	National Conference on Multi Challenges in Water and Wastewater Treatment Technologies – MCWWTT'14 (AICTE – Sponsored Programme – Rs. 2,00,000/-) Coordinator <b>F.No.7-74/RIFD/SG/Policy-1/2013-14</b>	24 January 2014
7.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME'14 – Convenor	23 August 2014
8.	National Conference on Advances and Innovations in Civil Engineering (AICE'15) – Convenor	15 September 2015
9.	National Conference on Advances and Innovations in Civil Engineering (AICE'17) – Convenor	09 February 2017

**NATIONAL SEMINARS ORGANIZED**

S.No.	Title	Period
1.	National Seminar on Quest for Innovations in Civil Engineering (CSIR–Sponsored Programme – Rs. 30,000/-) Coordinator <b>Letter No.SYM/8148/13-HRD</b>	30 October 2013

**NATIONAL WORKSHOPS ORGANIZED**

S.No.	Title	Period
1.	One day National Workshop on Awareness on Environment and Pollution ( <b>AICTE – Sponsored Programme – Rs. 50,000/-</b> ) – Coordinator	24 September 2004
2.	National Workshop on Advances in Construction Technology and Transportation Engineering – ACTTE '11 – Convener (Jointly organized by Institution of Engineers India)	21 December 2011
3.	National Workshop on Seismic Resistant structures – Analysis and Design (SRS-AD'15) – Convener	11 March 2015
4.	National Workshop on Revit Architecture And STADD Pro (RASP '15) – Convenor	21 August 2015
5.	National Workshop on ETABS And 3D Modelling (ET3DM '15) – Convenor	18 August 2015
6.	National Workshop on Autocad And Revit Architecture (ACRA '15) – Convenor	19 August 2015

**NATIONAL FACULTY DEVELOPMENT PROGRAMMES ORGANIZED**

S.No.	Title	Period
1.	Short term programme on Industrial safety and Environment ( <b>AICTE – Sponsored Programme – Rs. 1, 25,000/-</b> ) – Co-coordinator	15 – 27, March 2004
2.	Faculty Development Programme on Engineering Graphics – FDPEG'14 – Coordinator	05 – 17 May 2014
3.	Faculty Development Programme on Steel Structures – FDPSS'15 – Coordinator	01 – 13 June 2015
4.	Faculty Development Programme on Engineering Graphics – FDPEG'16 – Coordinator	02 – 14 May 2016

**RESPONSIBILITIES HELD**

Sl.No.	Position Held	Period
1.	NBA – <b>Coordinator</b>	2015 onwards
2.	NAAC – <b>Coordinator</b>	2015 onwards
3.	FIST – <b>Coordinator</b>	2015, 2016
4.	Indian Society of Technical Education – <b>Staff Advisor of ISTE</b> student's chapter in Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi	2014
5.	Institution of Engineers (India) – <b>Staff Advisor of IE</b> Students chapter in Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi	2014 onwards
6.	Conference <b>Convenor</b>	2004, 2005, 2011, 2012, 2013 (2) , 2014, 2015, 2017
7.	Workshop <b>Convenor</b>	2011, 2015 (4)
8.	Seminar <b>Coordinator</b>	2014
9.	Symposium <b>Convenor</b>	2010
10.	FDP <b>Coordinator</b>	2004, 2014, 2015, 2016
11.	<b>Member, Board of Studies</b> for the Vel Tech Dr.RR Dr.SR Technical University, Chennai.	2011 onwards
12.	Has been chosen as one of the <b>Panel Member of Advisers</b> for the Staff Selection Commission, Government of Tamil Nadu, 2010.	2010 onwards
13.	Institution of Engineers (India) – <b>Staff Advisor of IE</b> Students chapter in Vinayaka Mission University from the year 2009-2010.	2009-2010
14.	Society of Civil Engineering (India) – <b>Staff Advisor of SCI</b> Students chapter in Vinayaka Mission University from the year 2009-2010.	2009-2010
15.	Indian Society of Technical Education – <b>Staff Advisor of ISTE</b> Students chapter in Anjalai Ammal Mahalingam Engineering College, for the academic year 2003-2005.	2003-2005

## HONOURS, AWARDS AND PRIZES RECEIVED

Sl.No.	Particulars	Year
1.	Received <b>Third Prize (Cash Prize of Rs. 750 /-)</b> – D. Sivakumar, K. Deepalakshmi, R. Mahalakshmi K. Poovarasi, 2018, Hexavalent Chromium Removal – Column Adsorbent Reactor, National Project Expo on Aavishkaar 2018, 2 & 3 April 2018, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai.	2018
2.	Received <b>Best Paper Award (with shield)</b> – D. Sivakumar, M. Mahalakshmi, T.M. Modhini, 2018, Removal of Copper from Electroplating Industry Wastewater using Dead <i>Saccharomyces Cerevisiae</i> , International Conference on Global Environmental Changes and Sustainable Development, ICGECSD 2018, 5 & 6 April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology, Avadi, Chennai, Paper ID: 111.	2018
3.	Received <b>Best Paper Award and First Prize</b> – D. Sivakumar, D. Shankar, R. Kayalvizhi, 2017, Groundwater Suitability for Drinking Purpose in and around Ambattur Industrial Estate, Proceedings of the Second International Conference on Recent Advancement in Civil Engineering (ICRACE 2017) on 26 <sup>th</sup> and 27 <sup>th</sup> April 2017 at Aarupadai Veedu Institute of Technology, Vinayaga Mission University, Chennai. PP.100-107.	2017
4.	Received <b>Best Paper Award and Second Prize</b> – D. Sivakumar, D. Shankar, M.Mahalakshmi, T.M. Modhini, 2017, Influence of <i>Saccharomyces Cerevisiae</i> for Copper Removal, Proceedings of the Second International Conference on Recent Advancement in Civil Engineering (ICRACE 2017) on 26 <sup>th</sup> and 27 <sup>th</sup> April 2017 at Aarupadai Veedu Institute of Technology, Vinayaga Mission University, Chennai. PP.86-92.	2017
5.	Received <b>Best Paper Award and Third Prize</b> – D. Sivakumar, D. Shankar, Chandana Das, K. Poovarasi, 2017, Kinetic Model Study on Dairy Industry Wastewater Treatment Using <i>Tamarind Kernel Powder</i> , Proceedings of the Second International Conference on Recent Advancement in Civil Engineering (ICRACE 2017) on 26 <sup>th</sup> and 27 <sup>th</sup> April 2017 at Aarupadai Veedu Institute of Technology, Vinayaga Mission University, Chennai. PP.93-99.	2017
6.	Received <b>Best Paper Award and Third Prize</b> – D. Sivakumar, D. Shankar, M.Mahalakshmi, K. Deepalakshmi, 2017, Zinc Removal from Electroplating Industry Wastewater - <i>Eichhornia Crassipes</i> , Proceedings of National Level Conference on Design, Materials and Constructions (NCDMC'17) on 21 <sup>st</sup> and 22 <sup>nd</sup> April 2017 at at Veltech Dr. RR & Dr. SR University, Chennai. PP.109-114.	2017
7.	Received <b>Best Paper Award and Third Prize</b> – D. Sivakumar, D. Shankar, T. Durairai Arasu, V.M.Ragothaman, 2017, Biosorption Model for Reduction of Pollutants from Textile Industry using <i>Lemna gibba L.</i> , Proceedings of National Level Conference on Design, Materials and Constructions (NCDMC'17) on 21 <sup>st</sup> and 22 <sup>nd</sup> April 2017 at at Veltech Dr. RR & Dr. SR University, Chennai. PP.126-130.	2017
8.	Received <b>Best Paper Award and First Prize</b> – D. Sivakumar, D. Shankar, K. Poovarasi, Chandana Das, 2017, Treatment of dairy industry wastewater – a novel adsorbent tamarind kernel powder, National Conference on Global Environmental Changes and Sustainable Development, NCGECSD'17, April 11, 2017 at Veltech Dr. RR & Dr. SR University, Chennai. Paper id:32, pp.1-5.	2017
9.	Selected as a candidate for inclusion in the 2014 edition of <b>Who's Who in the Asia</b> published by Marquis, New Jersey, USA).	2017
10.	Received <b>Cash Award of Rs. 1000/- (Second Prize)</b> – D. Sivakumar, M.Mahalakshmi, T.M. Modhini, 2017, Copper Removal from Electroplating Industry Wastewater – <i>Saccharomyces Cerevisiae</i> , National Conference on Modernisation, Dynamisation, Mechanisation and Structuralisation, 20th Jan. 2017, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, Tamil Nadu, Paper ID: 31, pp. 1-5.	2017

11.	Received <b>Cash Award of Rs. 1500/- (First Prize)</b> – D. Sivakumar, K. Poovarasi, Chandana Das, 2017, Use of Tamarind Kernel Powder for Dairy Industry Wastewater Treatment, National Conference on Advances and Innovations in Civil Engineering, February 09, 2017, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, Tamil Nadu, Paper ID: 21, pp. 1-5.	2017
12.	Selected as a candidate for inclusion in the 2016 edition of <b>Who's Who in the World</b> (published by Marquis, New Jersey, USA).	2016
13.	Received <b>Cash Award of Rs. 1000/- (First Prize)</b> – D.Sivakumar, M.Ammaiappan, V.Lavanya, 2015, Role of bottom ash in preventing soil failure, 5th National Level Conference on Innovations in Machinery and Structures (INOMAS'15), August 26th, 2015, pp.150-156.	2015
14.	Received <b>Cash Award of Rs. 750/- (Second Prize)</b> – D. Sivakumar, D. Shankar, G. Gayathiri, 2015, Chromium removal from tannery industry wastewater using fungi species, 5th National Level Conference on Innovations in Machinery and Structures, August 26th, 2015, pp.123-127.	2015
15.	Received <b>Cash Award of Rs. 3000/- (First Prize)</b> – D.Sivakumar , G.S Vetri Thirumagan, R.Sarath , T.Sri Akash, 2015, Removal of fluoride in groundwater using <i>Lagerfstroemia indica L.</i> Seed powder, National Conference on “Advances and Innovations in Civil Engineering – AICE’15”, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai 62, 15th September 2015, pp.97-101.	2015
16.	Received <b>Cash Award of Rs. 1000/- (Third Prize)</b> – D.Sivakumar, D.Shankar, G.Gayathiri, S.Sowmiya, M.Mahalakshmi, 2015, Effect of fungi species for reducing chromium in tannery industry wastewater, National Conference on “Advances and Innovations in Civil Engineering – AICE’15”, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai 600062, 15th September 2015, pp. 75- 79.	2015
17.	Received <b>Best Paper Award</b> – D.Sivakumar, Manish Kumar Mandal (2015). Toxic Metal Removal by <i>Eichhornia crassipes</i> , Proceedings of International Conference on Science, Technology, Engineering and Management (ICONSTEM 2K15), 26-27, March 2015, Jeppiaar Engineering College, Chennai, SEH-018, pp.1-5.	2015
18.	Received <b>Best Paper Award</b> – D. Sivakumar, Manish Kumar Mandal (2015). Reduction of toxic metals from electroplating industrial effluent using <i>Eichhornia crassipes</i> , Fifth National Conference on Recent Trends in Chemical, Energy and Environmental Engineering (CEEE), 12 Feb. 2015, SSN College of Engineering, Chennai, pp. 1-5.	2015
19.	Received <b>Cash Award of Rs.1000/- (First Prize)</b> – Sivakumar,D., N.Murugan, R.Rajeshwaran, (2014). “Effect of Sugarcane Baggase Powder on Reduction of COD and TDS in A Dairy Industry Wastewater”, Proceeding of the fourth national level conference (Innovation in Machinery and Structures)-INOMAS 2014, 34-38.	2014
20.	Received <b>Cash Award of Rs.3000/- (First Prize)</b> – Sivakumar, D., J.Rajaganapathy, G. Gayathri, (2014). “Colour Removal from Textile Industry Wastewater using <i>Aspergillus niger</i> ”, 4th National Conference on “Advances and Innovations in Civil and Mechanical Engineering, -AICME’14”, pp.C6-C10.	2014
21.	Received <b>Cash Award of Rs.1000/- (Third Prize)</b> – Sivakumar, D., M.Ammaiappan, R.Anand, V.Lavanya, (2014). “Performance Analysis of Cohesive Soil By Using Lime and Flyash”, Fourth National Conference on “Advances and Innovations in Civil and Mechanical Engineering-AICME’14”, pp.C112-C118.	2014
22.	Received <b>Cash Award of Rs.1000/- (Third Prize)</b> – Sivakumar, D., M.Thiruvengadam, N.Murugan, R.Rajeshwaran, (2014). “Reduction of Pollutants from Dairy Industry Wastewater Using Teak Wood Saw Dust Powder”, Fourth National Conference on “Advances and Innovations in Civil and Mechanical Engineering-AICME’14”, pp.C35-C38.	2014
23.	Selected as a candidate for inclusion in the 2014 edition of <b>Who's Who in the World</b> (published by Marquis, New Jersey, USA).	2014

24.	Received <b>Cash Award of Rs.1500/- (Second Prize)</b> – R.Rajeswaran, N,Murugan and D.Sivakumar (2013), “Reduction of contaminants from Dairy industry wastewater using corn stem powder and sugarcane baggase powder”.	2013
25.	Received <b>Cash Award of Rs.1500/- (Second Prize)</b> – Sadhana, N., Soundarya, C., and Sivakumar D (2013). “Removal of Hexavalent Chromium from Tannery Industrial Wastewater using Electro-dialysis method”.	2013
26.	<b>Published my PhD Thesis</b> (ISBN 978-3-8473-4134-5) by LAP LAMBERT Academic Publishing GmbH & Co., Germany in 2012.	2012
27.	Selected as a candidate for inclusion in the 2012 edition of <b>Who’s Who in the World</b> (published by Marquis, New Jersey, USA).	2012
28.	Received <b>Cash Award Of Rs. 5000/- (First Prize)</b> – Shanmuga Priya,P., Christyno, E., Sivakumar, D. (2011). “Effectiveness of Neem Leaves Powder to Treat Dairy Industry Wastewater”. National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME’11, pp 1-3.	2012
29.	Received <b>Cash Award Of Rs. 3000/- (Second Prize)</b> – Janani, G.J., Anjughappriya, R., and Sivakumar, D. (2011). “Effectiveness of Polyelectrolyte in Wastewater Treatment”. National Conference on Advances and Innovations in Civil and Mechanical Engineering –AICME’11, pp 15-19.	2012
30.	Received <b>Best Paper Award</b> – Sivakumar, D., Janani, G.J., ShifuJahan,N., (2012).“Effectiveness of <i>Corn Stem</i> Powder to Treat Dairy Industry Wastewater”, National Conference on Recent Trends in Civil Engineering, CONSTRUCT-2012, pp 10-14.	2012
31.	Received <b>Cash Award Of Rs. 3000/- (First Prize)</b> – Janani, G.J., ShifuJahan, N., and Sivakumar, D. (2012). “Bioaccumulation Study By Aquatic Macrophytes Lemna Minor L”. 2ndNational Conference on Advances and Innovations in Civil and Mechanical Engineering –AICME’12, pp 6-11.	2012
32.	Received <b>Cash Award Of Rs. 1000/- (First Prize)</b> – Devarajan, P., Hussain Babu, D., Rathnakumar, M.R. and Sivakumar D. (2012) “Physico-Chemical Characteristics of Groundwater Near Pulicat Lake”. 2nd National level Students’ Conference on Innovations in Machinery and Structures – INOMAS 2012, pp 88-93.	2012
33.	Selected as a candidate one among two thousand people in world for inclusion in 2008 edition of <b>2000 Outstanding Intellectuals of the 21st Century</b> (published by Cambridge University, London).	2008
34.	Selected as a candidate one among two thousand people in world for inclusion in the 2007 edition of <b>Leading Engineers of the World</b> (published by Cambridge University, London).	2007
35.	Selected as a candidate for inclusion in the 2007 edition of <b>Who’s Who in the World</b> (published by Marquis, New Jersey, USA).	2007
36.	Received <b>Best Paper Award (The Rekha Nandhi and Bhupesh Nandhi Award)</b> for the paper entitled “Moisture distribution through solid waste landfill”, published by Institution of Engineers India, 2004.	2004
37.	Received <b>Best Service Award</b> was given by Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tamil Nadu in the year 2002 – 2003.	2003
38.	Received <b>Best Paper Award</b> for the paper entitled “A Comprehensive study on Rail Bearings”, RTDMGB – 2002, Organized by IIT Madras, Chennai, 2002.	2002

#### BOOKS PUBLISHED

Sl.No.	Title	Publisher & Year
1.	The Basics of Environmental Science and Engineering	Jaya Publication, Thanjavur – 2004
2.	Environmental Science And Engineering	Jaya Publication, Thanjavur – 2004
3.	The Principles of Environmental Science and Engineering	Jaya Publication, Thanjavur – 2005
4.	The Basics of Environmental Science and Engineering (Revised Edition)	Jaya Publication, Thanjavur – 2010
5.	Irrigation Engineering	Vel Tech Publication, Chennai – 2012
6.	Contaminant Transport of Sugarcane Effluent through Porous Soil Medium	LAP LAMBERT Academic Publishing - 2012

**NATIONAL / INTERNATIONAL TRAINING ATTENDED (CONFERENCES / SEMINARS / WORKSHOPS / SYMPOSIUM / FACULTY DEVELOPMENT PROGRAMMES)**

Sl. No.	Title	Venue	Period
1.	QIP short term course on Hazardous waste management	Indian Institute of Technology Madras, Chennai.	07 – 18 July 2003
2.	F.D. on Information technology and its application in Civil Engineering	Mepco Schlenk Engineering College.	08 – 20 December 2003
3.	Short term programme on Industrial safety and Environment	AAMEC, Kovilvenni – 614 403	15 – 27 March 2004
4.	F.D. Programme on Environmental Science and Engineering	Anna University, Chennai.	17 – 23 April 2004
5.	National conference on Renewable energy technology under energy track	Ministry of Non-conventional energy sources, Government of India	May 2002
6.	International seminar on water management, environment on Cauvery river basin	P.M. College of Technology for Women.	February 2004
7.	Workshop of awareness on environment and pollution	P.R. Engineering College, Vallam, Thanjavur.	April 2004
8.	Workshop on awareness on environment and Pollution	NIT, Trichy	November 2004
9.	National Conference on Advances in Water Engineering for sustainable development	Indian Institute of Technology Madras, Chennai.	March 2005
10.	Workshop on self – instructional material development	SASTRA University, Thanjavur	March 2007
11.	12th ISTE Annual convention on Tamil Nadu and Pondicherry Section	VMKV Engineering College Salem.	November 2009
12.	National seminar on open dumping of solid waste and its environmental hazard.	NITTTT, Chennai.	April 2010
13.	National workshop application of GIS in watershed management	Indian Institute of Technology Madras, Chennai.	January 2011
14.	FDP on Effective Teaching Methodology	Vel Tech Group of Institutions, Chennai.	July 2013
15.	FDP on Application of Nanotechnology in Diagnostic & Therapeutic Procedures	VTHT Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai.	15-28 November 2013
16.	National Workshop on “Innovative Technologies in Novel Drug Delivery System”	K.M. College of Pharmacy, Madurai.	30 November 2013
17.	National Workshop on “Integrated Coastal Zone Management”	Prathyusha Institute of Technology and Management, Chennai.	29 – 30 April 2014
18.	National Workshop on “Bio-waste Management”	Vel Tech Dr. RR Dr.SR Technical University, Chennai.	28 – 29 April 2014
19.	FDP on ‘Advanced Training in Marine Microbiology and its Industrial Application’	VTHT Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai.	06-19 May 2015
20.	An international Seminar on “Solid Waste Management and Sustainable Development”	VTHT Dr.Rangarajan Dr.Sakunthala Engineering College	09 March 2018
21.	National Seminar on “Issues & Solutions of Rural Water Supply in India”	VTHT Dr.Rangarajan Dr.Sakunthala Engineering College	04 January 2019



**PAPERS PUBLISHED IN IMPACT FACTOR, PEER REVIEWED & INDEXED INTERNATIONAL JOURNALS**

Sl.No.	Particulars
1.	Sivakumar, D.; Nouri, J.; Modhini, T.M.; Deepalakshmi, K., (2018). Nickel removal from electroplating industry wastewater: A bamboo activated carbon. <i>Global. J. Environ. Sci. Manage.</i> , 4(3) 325-338.
2.	D.Sivakumar, S.Govindasami, B.Raghul Raj, C.Gowdham, V.M.Ragothaman, (2018), "Groundwater quality assessment for irrigation in Madhavaram", <i>International Journal of Engineering and Technology</i> , 7(3.34), 72-75.
3.	D.Sivakumar, R.Anand, J.Asanammal Saral, (2018), Textile industry wastewater colour removal using <i>Lemna minor L.</i> and <i>Lemna minuta L.</i> ", <i>International Journal of Engineering and Technology</i> , 7(3.34), 160-162.
4.	D.Sivakumar, S.Govindasami, J.Asanammal Saral, D.Arun, T.Durai Arasu, (2018), "Groundwater quality assessment in Ambattur industrial estate", <i>International Journal of Engineering and Technology</i> , 7(3.34), 428-432.
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146.	Sivakumar, D. and Pushpakaran, P. (2010). "Kinetic models study on Municipal solid waste leachate using Moringa Oleifera seed – Part II". Proceedings of National conference on Environmental Pollution, pp 258-268.
147.	Sivakumar, D. (2005). "A comprehensive study on Air Quality Assessment in Chennai City". National Conf. on APM & Control, April 2005.
148.	Sivakumar, D., and Deepa, A. (2005). "Control of automobile emission – A current Scenario". National Conf. on APM & Control, April 2005.
149.	Sivakumar, D., Hemalatha, T. (2004). Solid waste Management – An overview. Short term course on Industrial safety & Environment – 2004.
150.	Sivakumar, D., and Swaminathan, G. (2004). "Impact of Town Planning on Ground water". SAU, Tirupathy, Nov. 2004.
151.	Sivakumar, D. (2003). "Minimizing Hazardous Contaminants through bioremediation". NSUEM – 2003 Thanjavur.
152.	Sivakumar, D. (2003). "Solid Waste Management in Urban Areas". NSUEM – 2003, Thanjavur.
153.	Sivakumar, D., and Swaminathan, G. (2003). "Ground water quality: Case Study on Impact of Town Planning". NSUEM – 2003, Thanjavur.
154.	Sivakumar, D., and Thandaveswara, B.S. (2002). Treatability of Leachate using Charcoal. National conference on PCIE – 2002, Madurai.
155.	Sivakumar, D. (2002). Solid Waste Management – A Case Study for Chennai Corporation. IEC – 2002, Palkad.
156.	Sivakumar, D. (2002). Effect of Chemical Pesticides on Soil Fertility and Remediation through Natural Pesticides. IEC – 2002, Palkad.
157.	Sivakumar, D. (2002). "A Comprehensive Study on Rail Bearings". RTDMGB – 2002, IIT Madras, Chennai.
158.	Sivakumar, D., Swaminathan, G. (2002). Studies on Soil Behavioural Changes due to sugarcane effluent discharge. NCIPCEM–2002, Tirupathy.
159.	Sivakumar, D., Swaminathan, G. (2002). "Quality Changes in Ground Water due to spent wash discharge". NCIPCEM – 2002, Tirupathy.
160.	Sivakumar, D. (2001). "Effect of Leachate on selected clays with remedial measures". National conference on IPED – 2001, Coimbatore.

**EDITOR / EDITORIAL BOARD MEMBER OF INTERNATIONAL / NATIONAL JOURNALS**

Sl.No.	Particulars	Year
1.	<b>Managing Editor</b> for the <b>“Global Journal of Environmental Science and Management”</b> <b>ISI Web of Science</b>	<b>2014</b>
2.	<b>Associate Editor</b> for the <b>“International Journal of Environmental Science and Technology”</b> <b>ISI Web of Science, Scopus Index</b>	<b>2009</b>
3.	Editorial Board Member for the <b>“International Journal of Environmental Science and Engineering”</b> .	<b>2009</b>
4.	Editorial Board Member for the <b>“International Journal of Engineering and Advanced Technology”</b>	<b>2013</b>
5.	Editorial Board Member for the <b>“International Journal of Recent Technology and Engineering”</b>	<b>2013</b>
6.	Editorial Board Member for the <b>“International Journal of Innovative Science and Modern Engineering”</b>	<b>2013</b>
7.	Editorial Board Member for the <b>“International Journal of Advanced Engineering and Nano Technology”</b>	<b>2013</b>
8.	Editorial Board Member for the <b>“International Journal of Inventive Engineering and Sciences”</b>	<b>2013</b>
9.	Editorial Board Member for the <b>“International Journal of Emerging Science and Engineering”</b>	<b>2013</b>
10.	Editorial Board Member for the <b>“International Journal of Innovative Technology and Exploring Engineering”</b>	<b>2013</b>
11.	Editorial Board Member for the <b>“International Journal of Soft Computing and Engineering”</b>	<b>2014</b>
12.	Editorial Board Member for the <b>“Pollution Research International”</b>	<b>2014</b>
13.	Editorial Board Member for the <b>“Scholarly Journal of Agricultural Science”</b>	<b>2014</b>
14.	Editorial Board Member for the <b>“Environmental Science : An Indian Journal”</b>	<b>2016</b>

**REVIEWER OF INTERNATIONAL / NATIONAL JOURNALS**

Sl.No.	Particulars	Year
1.	Technical Reviewer for the <b>“International Journal of Agriculture and Bio Environment”</b>	<b>2010</b>
2.	Technical Reviewer for the <b>“International Journal of Environmental Management”</b> Elsevier Journal, <b>ISI Web of Science, Scopus Index</b>	<b>2010</b>
3.	Technical Reviewer for the <b>“International Journal of Environmental Pollution”</b>	<b>2010</b>
4.	Technical Reviewer for the <b>“African Journal of Agriculture”</b>	<b>2010</b>
5.	Technical Reviewer for the <b>“Water Quality Research Journal of Canada”</b>	<b>2010</b>
6.	Technical Reviewer for the <b>“Korean Journal of Chemical Engineering”</b> Elsevier Journal, <b>ISI Web of Science, Scopus Index</b>	<b>2012</b>
7.	Technical Reviewer for the <b>“International Research Journal of Public and Environmental Health”</b>	<b>2013</b>
8.	Technical Reviewer for the <b>“International Journal of Agricultural Policy and Research”</b>	<b>2014</b>
9.	Technical Reviewer for the <b>“Environment and Natural Resources Research”</b>	<b>2014</b>
10.	Technical Reviewer for the <b>“International Journal of Environmental Studies and Research”</b>	<b>2017</b>

## GUEST EDITOR FOR THE JOURNALS

Sl. No.	Particulars
1.	Guest editor for releasing the special issue on “Multi Challenges in Water and Wastewater Treatment Technologies” in “ <b>Pollution Research International Journal</b> ”, Issue – 33(3), 2014, Copyright © EM International, ISSN 0257–8050.
2.	Guest editor for releasing the special issue on “Advances and Innovations in Civil Engineering” in “ <b>International Journal of Advances Information Science and Technology</b> ”. Issue – 32 (32), 2014, ISSN: 2319-2682.
3.	Guest editor for releasing the special issue on “Advances and Innovations in Science, Engineering and Technology” in “ <b>International Journal of Applied Engineering Research</b> ”. Issue – 10 (53), 2015, Print ISSN 0973-4562. Online ISSN 1087-1090.
4.	Guest editor for releasing “Advances and Innovations in Civil Engineering” in “ <b>Journal of Chemical and Pharmaceutical Sciences</b> ”. Issue – 8 (4), 2015, ISSN 0974-2115.
5.	Guest editor for releasing “Advances in Science and Technology” in “ <b>Journal of Science and Technology</b> ”. Issue - to be published.

## CHEIFT EDITOR FOR THE PROCEEDING OF THE CONFERENCES / SEMINARS / WORKSHOPS

Sl. No.	Particulars
1.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME’11, 2011
2.	National Workshop on Advances in Construction Technology and Transportation Engineering – ACTTE ’11, 2011
3.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME’12, 2012
4.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME’13, 2013
5.	National Seminar on Quest for Innovations in Civil Engineering – QICE’13, 2013
6.	National Conference on Multi Challenges in Water and Wastewater Treatment Technologies – MCWWTT’14, 2013
7.	National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME’14, 2014
8.	National Workshop on Seismic Resistant structures – Analysis and Design – SRS-AD’15, 2015
9.	National Conference on Advances and Innovations in Civil Engineering – AICE’15, 2015
10.	National Conference on Advances and Innovations in Civil Engineering – AICE’17, 2017

## INVITED GUEST SPEAKER FOR INTERNATIONAL CONFERENCES IN ABROAD

Sl. No.	Particulars
1.	Sivakumar Durairaj, (2014). “Colour Removal from Textile Industry Wastewater Using <i>Lemna Minuta Lin</i> ”, Recent Advances in Civil Engineering and Mechanics, Florence, Italy, November 22-24, 2014.

## INVITED GUEST SPEAKER /TECHNICAL SESSION CHAIRPERSON / FOR NATIONAL /INTERNATIONAL CONFERENCES

Sl. No.	Particulars
1.	Technical Chairperson for the National Conference on Quest for Advancement in civil Engineering, March 15, 2012 at SRM University, Ramapuram Campus, Chennai.
2.	Technical Chairperson for the National Conference on Advances and Innovations in Civil Engineering, February 09, 2017, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai
3.	Technical Chairperson for the National Level Conference on Design, Materials and Constructions (NCDMC’17) on 21 <sup>st</sup> and 22 <sup>nd</sup> April 2017 at at Veltech Dr. RR & Dr. SR University, Chennai.
4.	Technical Chairperson for the National Conference on Global Environmental Changes and Sustainable Development, NCGECSD’17, April 11, 2017 at Veltech Dr. RR & Dr. SR University, Chennai.

## TECHNICAL ADVISORY BOARD MEMBER FOR INTERNATIONAL CONFERENCES

Year	Particulars
2013	<p>ICOGPE 2013 : International Conference on Oil, Gas and Petrochemical Engineering, Paris, France, November 6 - 7, 2013</p> <p>ICEET 2013 : International Conference on Environmental Engineering and Technology, Phuket, Thailand, December 26 - 27, 2013</p> <p>ICEEI 2013 : International Conference on Environmental and Ecological Impacts, Venice, Italy, November 14 - 15, 2013</p> <p>ICEES 2013 : International Conference on Environmental and Ecological Systems, Melbourne, Australia, December 16 - 17, 2013</p> <p>ICCEEE 2013 : International Conference on Chemical, Ecological and Environmental Engineering, Spain, November 28 - 29, 2013</p>
2014	<p>ICAEE 2014 : International Conference on Agricultural and Environmental Engineering , London, January 20 - 21, 2014</p> <p>ICCBEE 2014 : International Conference on Chemical, Biological and Environmental Engineering , Dubai, UAE, January 30 - 31, 2014</p> <p>ICSW 2014 : International Conference on Solid Wastes , Rio de Janeiro, Brazil, February 27 - 28, 2014</p> <p>ICESSE 2014 : International Conference on Environmental Systems Science and Engineering , Rio de Janeiro, February 27 - 28, 2014</p> <p>ICEEE 2014 : International Conference on Energy and Environmental Engineering , Dubai, UAE, March 12 - 13, 2014</p> <p>ICMPG 2014 : International Conference on Mineralogy, Petrology, and Geochemistry, Singapore, SG, March 30 - 31, 2014</p> <p>ICOGPE 2014 : International Conference on Oil, Gas and Petrochemical Engineering, Paris, France, April 28 - 29, 2014</p> <p>ICOGPE 2014 : International Conference on Oil, Gas and Petrochemical Engineering , Toronto, Canada, June 16 - 17, 2014</p> <p>ICSW 2014 : International Conference on Solid Wastes , Paris, France, June 26 - 27, 2014</p> <p>ICECE 2014 : International Conference on Environmental and Civil Engineering , Vancouver, Canada, August 7 - 8, 2014</p> <p>ICPBE 2014 : International Conference on Pharmaceutical and Biotechnological Engineering , Rome, Italy, September 18 - 19, 2014</p>
2015	<p>ICSEES 2015 : International Conference on Sustainable Energy and Environmental Sciences, Venice, Italy, April 13 - 14, 2015</p> <p>ICEME 2015 : International Conference on Environmental Management and Engineering, Dubai, UAE, February 20 - 21, 2015</p> <p>ICEPR 2015 : International Conference on Environmental Pollution and Remediation, Paris, France, July 20 - 21, 2015</p> <p>ICUDEM 2015 : International Conference on Urban Development and Environmental Management, Italy, April 13 - 14, 2015</p> <p>ICGES 2015 : International Conference on Geological and Environmental Sciences, Montreal, Canada, May 11 - 12, 2015</p> <p>ICEES 2015 : International Conference on Environmental and Ecological Systems, Paris, France, February 23 - 24, 2015</p> <p>ICWWTP 2015 : International Conference on Water and Wastewater Treatment Plants, Singapore, SG, January 8 - 9, 2015</p> <p>ICEPRM 2015 : International Conference on Environmental Pollution, Restoration, and Management, Italy, June 21 - 22, 2015</p> <p>ICURS 2015 : 17th International Conference on Urban Regeneration and Sustainability, Melbourne, Australia, December 13 - 14, 2015</p> <p>ICTTP 2015 : 17th International Conference on Traffic and Transport Psychology, Osaka, Japan, October 8 - 9, 2015</p> <p>CPBE 2015 : 17th International Conference on Pharmaceutical and Biotechnological Engineering London, UK, September 25 - 26, 2015</p> <p>ICWMRE 2015 : 17th International Conference on Waste Management and Remediation Engineering, Stockholm, Sweden, July 13 - 14, 2015</p>
2016	<p>IGSC 2016 : International Geological Sciences Conference, IGSC November 12-13, 2016, Kyoto Japan</p> <p>IGGC 2016 : International Geology and Geophysics Conference, IGGC November 12-13, 2016, Kyoto Japan</p> <p>ICOGPE 2016 : 18th International Conference on Oil, Gas and Petrochemical Engineering, Istanbul, Turkey, March 30 - 31, 2016</p> <p>ICPOR 2016 : 18th International Conference on Petrochemistry and Oil Refining, Johannesburg, South Africa, January 12 - 13, 2016</p> <p>ICURS 2016 : 18th International Conference on Urban Regeneration and Sustainability, Paris, France, January 21 - 22, 2016</p> <p>ICEEWM 2016 : 18th International Conference on Environment, Energy and Waste Management, Istanbul, Turkey, January 25 - 26, 2016</p> <p>ICAHEE 2016 : 18th International Conference on Agriculture, Horticulture and Environment Engineering, Doha, Qatar, February 8 - 9, 2016</p> <p>ICEBWE 2016 : 18th International Conference on Energy, Biomass and Waste Engineering, Montreal, Canada, May 16 - 17, 2016</p> <p>CAB 2016 : 18th International Conference on Agriculture and Biotechnology, Jeddah, Saudi Arabia, January 26 - 27, 2016</p> <p>ICMFE 2016 : 18th International Conference on Marine and Freshwater Environments, Dallas, USA, December 8 - 9, 2016</p> <p>ICBTECE 2016 : 18th International Conference on Biogeochemistry, Trace Elements and Chemical Engg., Switzerland, Jan.12 - 13, 2016</p>
2017	<p>ICFPTE 2017 : 19th International Conference on Factory Planning in Textile Engineering, Amsterdam, The Netherlands, February 7 - 8, 2017</p> <p>ICEPCP 2017 : 19th International Conference on Environmental Pollution Control and Prevention, Mumbai, India, February 7 - 8, 2017</p> <p>ICGGI 2017 : 19th International Conference on Geoprocessing and Geographical Information, Zurich, Switzerland, April 20 - 21, 2017</p> <p>ICEGAM 2017 : 19th Int. Conference on Environmental Geomatics, Geoprocessing and Analytical Methods, Brisbane, April 3 - 4, 2017</p> <p>ICGGI 2017 : 19th International Conference on Geoprocessing and Geographical Information, Zurich, Switzerland, April 20 - 21, 2017</p>
2018	<p>ICSH 2018 : 20th International Conference on Sustainable Healthcare, Tokyo, Japan October 8 - 9, 2018</p> <p>ICTQT 2018 : 20th International Conference on Textile Quality in Textile, Melbourne, Australia, December 5 - 6, 2018</p> <p>ICPTHACC 2018 : 20th International Conference on Protective Textile and High Absorption Capacity Clothing, Istanbul, Turkey, September 6 - 7, 2018</p> <p>ICTAI 2018 : 20th International Conference on Textile and Apparel Industry, Bangkok, Thailand, December 13 - 14, 2018</p>
2019	<p>ICTET 2019 : International Conference on Textile Engineering and Technology, Bangkok, Thailand, January 17 - 18, 2019</p> <p>ICSEES 2019 : International Conference on Stream Ecosystems and Energy Sources, Rome, Italy, July 22 - 23, 2019</p> <p>ICET 2019 : International Conference on Ecological Thermodynamics, Tokyo, Japan, May 27 - 28, 2019</p>

**MEMBERSHIP IN THE PROFESSIONAL BODIES**

<b>Sl.No.</b>	<b>Particulars</b>	<b>Membership No.</b>
1.	Life Member in Indian Society for Technical Education	<b>LM – 43872</b>
2.	Life Fellow in Indian Association of Hydrologist	<b>FM – 327</b>
3.	Life Member in Institution of Engineers (India)	<b>F - 1253146</b>
4.	Life Member in Indian Association of Air Pollution Control	<b>LM - 556</b>
5.	Life Member in Indian Water Works Association	<b>LM - 8112</b>
6.	Life Fellow in Indian Water Resource Society	<b>F-2015-1370</b>
7.	Life Fellow in Public Health Engineering	<b>LF – 697</b>
8.	Life Member in Association of Environmental Management	<b>LM-1739</b>

**APPROVED Ph.D. RESEARCH GUIDE FOR THE FOLLOWING UNIVERSITIES**

<b>Sl.No.</b>	<b>Particulars</b>
1.	Anna University, Chennai
2.	Vel Tech Dr.RR Dr.SR Technical University, Chennai
3.	Sathyabama University, Chennai

**(Dr. D. SIVAKUMAR)**