

CURRICULUM VITAE

Name : Dr. E. K. T. SIVAKUMAR

Date of Birth : 01.06.1968

Designation : Visiting Professor,
Centre for Nanoscience and Technology,
AnnaUniversity,
Chennai- 600 025.
Tamilnadu, India.

Former Scientist,
Amrutanjan Health Care Limited, Chennai.
(ISO 9001-2000 Certified)
Research & Development.

Affiliation : **Centre for Nanoscience and Technology,**
AnnaUniversity, Fax: +91-44-2230 1656
Chennai- 600 025, +91-44-2235 9114 E-mail: ektsiva1@hotmail.com

PERSONAL INFORMATION

Father's Name : Dr.E.K.Thiruvengadam

Residential Address : Flat No. T-1, Jains Shashi Griha Apartment,
2/19, Jagadambal Street, T.Nagar, Chennai 17.
Ph: 28150111, Cell: 9841435126

Sex : Male

Educational Qualification:

Degree	Subject	University	Year
Ph.D.	Chemistry	University of Madras	2001
M.Sc.	Chemistry	University of Madras	1991
B.Ed.	Chemistry	Annamalai University	1993
B.Sc.	Chemistry	University of Madras	1988

Professional Experience:

1. Total Research Experience : **16 Years**
2. Teaching experience : **7 Years**

Subjects Handling : Physics and Chemistry of Material,
Synthesis and analysis of nanomaterials,
Physicochemical methods for characterization of Nano materials,
Mems and BioMems.

List of publications:

Number of Books Written& Published by the applicant:

S.No	Title	Theme(in English)	Year of Publication
1	Physicochemical characterization of nano materials	Characterisation studies	VijayaRajeswariPathippagam/ ISBN No. 978-81-908163-8-0
2	Chemistry of polymers	Polymer Chemistry	VijayaRajeswariPathippagam/ ISBN No. 978-81-908163-9-7
3	KathiriyakkaVethieyal,	Radioactive Chemistry	VijayaRajeswariPathippagam/ ISBN No. 978-81-907581-2-7
4	Chemistry of Fuels	Fuel Chemistry	VijayaRajeswariPathippagam/ ISBN No. 978-81-907581-1-6
5	Elements of Chemical Spectroscopy	Spectroscopy Studies	VijayaRajeswariPathippagam/ ISBN No. 978-81-907581-0-9

LIST OF PUBLICATIONSIN NATIONAL AND INTERNATIONAL JOURNALS

1. **E.K.T. Sivakumar**, Govindasamy Sathiyar, Ramasamy Ganesamoorthy, Rangasamy Thangamuthu, Pachagoundar Sakthivel, "Synthesis and studies of carbazole based (A-D-A) polymers for organic solar cell applications" **Polymer International**, Under revision (PI-16-0126.R1).
2. **E.K.T.Sivakumar**, Sathiyar G, Ganesamoorthy R, Thangamuthu R and Sakthivel P, "Dicyanovinylene carbazole based A-D-A type small molecules for organic solar cell applications" **Macromolecular Research** (11th Mar2017). Under revision (MARE-D-16-00094).
3. **E.K.T.Sivakumar**, Anusa R and Ravichandran C, "Removal of heavy metal ions from industrial waste water by nano ZnO in presence of electrogenerated Fenton's reagent" **International Journal of Chem tech Research**, 7, 501-508, 2017.
4. **E.K.T. Sivakumar**, V.Manimozhi, N. Partha, N.Jeeva and V.Jaisankar, "Preparation and characterization of ferrite nanoparticles for the treatment of industrial waste water" **Digest journal of nanomaterials and Biostructures**, 11(3), 1017-1027, 2016.
5. **E.K.T.Sivakumar**, Sathiyar G, Ganesamoorthy R, Thangamuthu R and Sakthivel P, "Review of carbazole based conjugated molecules for highly efficient organic solar cell applications" **Tetrahedron Letters**, Vol (57), 2016 pp 243-252.
6. **E.K.T.Sivakumar**, Sathiyar G, Ganesamoorthy R, Thangamuthu R and Sakthivel P, "Synthesis and studies of carbazole based (A-D-A) polymers for organic solar cell applications" Published in Souvenir, "Application of Nanostructured Materials for energy and Environmental technology", ISBN: 978-93-85436-91-8.
7. **E.K.T.Sivakumar**, Sathiyar G, Thangamuthu R and Sakthivel P, "Synthesis of 1,7-Disubstituted N,N'-Bis (Hexyl) Perylene-3,4,9,10-Tetracarboxylic acid Diimide (PDI) small molecule for organic solar cell applications" Published in Souvenir, "Application of

Nanostructured Materials for energy and Environmental technology”, ISBN: 978-93-85436-91-8.

8. **E.K.T.Sivakumar**, Manimozhi, Rajendran T V, Jaisankar, “A study of Electrical and Magnetic Properties of Ferrite Nano particles for Electrical Applications” **International Journal of Materials science Vol(10),2015 pp1 – 10.**
9. **E.K.T. Sivakumar**, V. Jaisankar and T.V Rajendran, “ Ionic conductivity of Chain Extension Supramolecular polymer material based on Reactive Hydrogen bonding motif”- **Journal of Polymer and Composites 3(1), 2014, 1-7.**
10. **E.K.T .Sivakumar**, Rajendran T V, Jaisankar, A Study on Conductivity Behaviour of Supramolecular Polymer Functionalized Magnetic Nanoparticles(*IJIRSE*) **International Journal of Innovative Research in Science & Engineering ISSN (2014), 2347-3207**
11. **E.K.T.Sivakumar**, Indira R, Hariharapriya G, Jaisankar, “Synthesis and characterization of Citric Acid based polysterHydroxyapatiteNanocomposites”,**Global Journal for Research Analaysis, Vol.3(7),2014pp 20-26.**
12. **E.K.T.Sivakumar** et.al, “Synthesis and characterization of water soluble EDTA functionalized polysters for environmental applications”, **Applied chemistry Elixir Appln. Chem 74, 2014, 26906-26910.**
13. **E.K.T.Sivakumar**, G.B.Sukumaran and K.Elangovan “ Applications of Geochemical Modeling for the Ground water environment around Chennai city ,Tamilnadu,India, **Journal of Industrials pollution control 22(1), 2006, PP 191-209.**
14. **E.K.T.Sivakumar**, G.B.Sukumuran, and R.K.Trivedy, “Pollution of Groundwater around Saint Thomas Mount Panchayath Union Chengalpattu MGR District”, Tamilnadu, INDIA. **Journal of Industrial Pollution Control 17(2), 2001, PP 225-238.**

LIST OF PRESENTATIONS IN NATIONAL AND INTERNATIONAL SEMINARS

1. **E.K.T.Sivakumar**, “Novel applications and improved developments of nanoscience in various fields” ICRAST, 2017 – An International conference on recent trends in Applied science and Technology during 8 to 9 September 2017.
2. **E.K.T.Sivakumar**, “Application of Iron Nanoparticles in an adsorption studies” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
3. **E.K.T.Sivakumar**, N. Yalini Devi, Susy varshese, M. Arivanandhan “Graphene oxide based strain sensor for motion monitoring” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
4. **E.K.T.Sivakumar**, Angelene Hannah Jebarani, Nibedita Dey “Synthesis and characterization of steam activated carbon from coconut shells” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.

5. **E.K.T.Sivakumar**, N. Suganya, V. Jaisankar “A study of the effect of plasticizer and nanofillers on polymer gel electrolytes for natural dye sensitized solar cells” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
6. **E.K.T.Sivakumar**, V. Manimozhi, N. Partha, V. Jaisankar “An adsorption study of the removal of certain metal ions from waste using ferrite nanoparticles and their composites” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
7. **E.K.T.Sivakumar**, G. Geetha “Formulation of nanofertilizer encapsuled with zeolite for enhancement of plant growth” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
8. **E.K.T.Sivakumar**, K.E. Premalatha “Formulation of nanofertilizer encapsuled with wood for enhancement of plant growth Synthesis and characterization of steam activated carbon from coconut shells” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
9. **E.K.T.Sivakumar**, J. Lurdhumary “Development of thermal conductive, Electrical insulating and fire retardant epoxy nanocomposites for electronic industry application” IWAN 4, 2017 – An International workshop on advanced functional nanomaterials during 22nd to 24th March 2017.
10. **E.K. T. Sivakumar**, Pachagounder Sakthivel, Synthesis of Carbazole Substituted Phenylquinoline-Fullerene Derivatives for Organic Photovoltaic Cell Application. “National Symposium on Chemistry for Engineers” (NSCE 2016) on 9th April 2016. VIT University, Vellore.
11. **E.K.T. Sivakumar**, “Flood Management in Chennai” (2016). An one day seminar cum workshop, 25th Feb 2016, organized by the Loyola institute of Frontier Energy (LIFE), Loyola College, Chennai-34.
12. **E.K.T. Sivakumar**, “Nylon/TiO₂ Nanocomposites for automobile application” (2015). 2nd International Conference on Materials for Modern World (NCMMW), 28 and 29 Sep 2015, organized by the Department of Physics, Easwari Engineering College, Chennai-89.
13. **E.K.T. Sivakumar**, “Nanoscience” (2015). National symposium on Biodiversity (NSBIO), 18 to 20 Feb 2015, organized by the Department of Zoology, Thiruvalluvar University, Vellore-632115.
14. **E.K.T. Sivakumar**, B. Raghavendrababu, “Physico chemical and structural characterization of the N-Acyl chitosan Nanopowders” (2015). Third International Workshop on Advanced Functional Nanomaterials (16-18 Dec 2015).
15. **E.K.T. Sivakumar**, R. Muthu veerappan, “Synthesis and characterization of Nickel ferrite doped polymer nanocomposites (PVA-NiFe₂O₄) for electrochemical device applications” (2015). Third International Workshop on Advanced Functional Nanomaterials (16-18 Dec 2015).
16. **E.K.T. Sivakumar**, H. Yunussalim, “Synthesis and characterization of aluminium doped titanium dioxide polymer nanocomposites (PVP-PEG) for solar cell

applications” (2015). Third International Workshop on Advanced Functional Nanomaterials (16-18 Dec 2015).

17. **E.K.T. Sivakumar**, S. Thirumalesh, “Polyvinylchloride/MgO nanocomposites for electrical insulation application” (2015). Third International Workshop on Advanced Functional Nanomaterials (16-18 Dec 2015).
18. **E.K.T. Sivakumar**, “PVC/MgO nanocomposites for electrical applications” (2014). International Conference on Materials for Modern World (NCMMW), 10 and 11 Sep 2014, organized by the Department of Physics, Easwari Engineering College, Chennai-89.
19. **E.K.T.Sivakumar**, MadhureeDharpure, Bhuvanesvari and B,NageshR.Iyer, “Hydration Studies On Nanoclay incorporated Complex Composites”(2013)- International Conference On Engineering Materials and process (ICEMAP-2013)-Tagore Eng.College,Chennai.23RD and 24th MAY2013.
20. **E.K.T.Sivakumar**, V. Jaisankar, R. Jayavel and V.Manimozhi, “Preparation and characterization of biomimetic Nano Hydroxyapatite” (2013). Second International Workshop on Advanced Functional Nanomaterials (28-30th JAN 2013).
21. **E.K.T. Sivakumar**, “Innovative use of nanotechnology and ultrasonic waves in paint” (2012). NANOMEET 2012, 27 to 28th Feb-2012, organized by Association of Nanoscience and Technology Aspirants (ANNA) Centre for nanoscience and Nanotechnology, Anna University, Chennai-25.
22. **E.K.T. Sivakumar**, “Understanding the principle and functions of nanoscale materials” (2012). Summer training programme on nanoscience and nanotechnology (STPNSNT) 25 May to 14th June 2012, organized by the National Centre for Nanoscience and nanotechnology, University of madras, Chennai-25.
23. **E.K.T. Sivakumar**, “Applications of nanomaterials for micro electro mechanical systems (MEMS)” (2012). National symposium on Application of Nanotechnology in Human Welfare, 28 and 29 Sep 2012, organized by the Department of Biotechnology, V.M.K.V Engineering College, Salem.
24. **E.K.T. Sivakumar**, “E-waste management using Biological Tools: An Eco-Friendly Approach” (2012). National Conference on Eco-Friendly Approach, 8 and 9 Mar 2012, organized by the Loyola institute of Frontier Energy (LIFE), Loyola College, Chennai-34.
25. **E.K.T.Sivakumar** and R.MexalinMero, “Innovative use of Nanotechnology and ultrasonic waves in paint” Indigenous nanomaterials development for industrial applications(INDIA),27TH-28TH 2012 Centre for Nano Science and Technology, Anna university,Chennai.
26. **E.K.T. Sivakumar**, “Nanomaterials Characterisation by spectroscopic techniques” (2011). Summer training programme on nanoscience and nanotechnology (STPNSNT) 10 to 30 may 2011, organized by the National Centre for Nanoscience and nanotechnology, University of madras, Chennai-25.

27. **E.K.T.Sivakumar**, D.Angelene, HannaJebarani and NibeditaDey, "Optimization of Condition for Synthesis and Characterization of Nano Carbons from Agro Industrial Wastes" (2011)- National Seminar on Recent Trends in Nanobiotechnology- Association of Nanoscience and Nanotechnology Aspirants(ANNA).07-08 MAR 2011.
28. **E.K.T.Sivakumar**, R.Jayavel and V.Jaisankar, "Application of Iron Nanoparticles in Waste Water Treatment"(2011)- NanoMeet 2011 – A Technical Symposium on Materials of Applied Nanoscience and Nanotechnology Research (MANNAR).
29. **E.K.T. Sivakumar**, "Nanomaterials Characterisation" (2010). Summer training programme on nanoscience and nanotechnology (STPNSNT) 18th Nov to 8th Dec 2010, organized by the National Centre for Nanoscience and nanotechnology, University of madras, Chennai-25.
30. **E.K.T.Sivakumar**, R.Jayaveland V.Jaisankar, "Application of Iron Nanoparticles in Waste Water Treatment"(2010)- NanoMeet 2010 – A Technical Symposium on Materials of Applied Nanoscience and Nanotechnology Research (MANNAR)
31. **E.K.T.Sivakumar**, V.Balasubramanian and G.B.Sukumaran, "Conceptual Geochemical modeling of Groundwater" (2001)- National Symposium onMetallo - Organic chelates and recent advances in Chemistry. Research &P.G.Dept of Chemistry, Presidency College, Chennai 9th & 10th Feb 2001 P (IP-10).
32. **E.K.T.Sivakumar**, C.G.Chandrasekaran, B.Gowthaman and G.B.Sukumuran, "Groundwater Characterization of a part of the Chennai city, Tamil Nadu" (2000) - Proceedings of the State Conference on Groundwater Exploration Techniques, National College,Tiruchi-1, 30th-31st March 2000, PP:11-16.
33. **E.K.T.Siva Kumar**,C.G.Chandrasekaran and G.B.Sukumuran, "Study of Groundwater Quality Around Ambattur and Anna Nagar, Tiruvallur and Chennai District, TamilNadu"(2000) - XIIth Indian Geological Congress and National Seminar on Groundwater Resources. 8th-12th Feb2000.Udaipur-313002. PP:129-130.
34. **E.K.T.SivaKumar**,G.B.Sukumuran and P.Neelameham, "Comparative Geo-Physical Data Study of Different Geological formations, Kancheepuram&Tiruvallur Districts, Tamilnadu" (2000) - XIIth Indian Geological Congress and National Seminar on Groundwater Resources. 8th-12th Feb.2000.Udaipur-313002." PP:239-244.
35. **E.K.T.SivaKumar**, G.B.Sukumuran and C.G.Chandra-sekaran, "Quality of Groundwater and its improvement Around part of Chennai City – Tamilnadu" (2000)- XIIth Indian Geological Congress and National Seminar on Groundwater Resources.8th-12th Feb.2000. PP.130-132.
36. **E.K.T.SivaKumar** and G.B.Sukumuran, "Hydrogeochemistry of River Cooum - Tamilnadu South India." (1998)- International Seminar on Applied Hydrogeochemistry, Annamalai University, Chidambaram, India, Nov.1998, proc.vol. PP:238-249.
37. **E.K.T.SivaKumar**,G.B.Sukumaran andG.Bharathidasan, "Tannery Effluent and Garbage Pollution of Groundwater Around Saint Thomas Mount Panchayath Union, Chengalpattu MGR Dt. TamilNadu" (1997)- National Symposium on Sustainable Groundwater Development and Management and The Annual Convention of Geological Society of India. Nov.5th - 8th 1997, PP:46.

PARTICIPATION IN NATIONAL /INTERNATIONAL SEMINARS/CONFERENCES

1. Participated in International conference on Recent trends in Applied science and Technology (ICRAST 2017) by center for Nanoscience and Nanotechnology, Anna University, Chennai 25 during 8 to 9 September 2017.
2. Participated in International workshop on Advanced functional Nanomaterials by center for Nanoscience and Nanotechnology, Anna University, Chennai 25 during 22nd to 24th March 2017.
3. Participated in National Conference on nanomaterials and Nanobiotechnology organized by National Centre for Nanoscience and nanotechnology, University of madras, Chennai 25 during 7th and 8th Feb 2017.
4. Participated and organized 69th Indian Chemical Engineering Congress during 27 to 30 December 2016 held at Anna University, Chennai 25.
5. Participated in the Exhibition on Education, Science, Technology and Innovation (EESTI-2016), Jan 2016 at Anna University, Chennai-25.
6. Participated in Rapid prototyping Workshop, 29 March 2016, conducted by Association of Ceramic Technologies, Department of Ceramic Technology, Anna University, Chennai-25.
7. Participated in the Third International workshop on advanced functional nanomaterials (TIWAN-2015) organized by Centre for Nanoscience and Technology, Anna University, Chennai 25 during 16th to 18th December 2015.
8. Participated in the Training Programme on The State of the Art-Analytical Instruments, sponsored by UGC, held at AC Tech, Anna University, Chennai-25 during 26 to 30 Oct 2015.
9. Participated in National Seminar on recent advances in nanoscience and Technology (NANOMEET 2016) organized by Centre for nanoscience and nanotechnology during 6th and 7th Oct 2016.
10. Participated in National Symposium on Biodiversity, held from 18 to 20 Feb 2015, organized by the Department of Zoology, Thiruvalluvar University, Vellore-632115.
11. Participated in National Conference on Safety Environment and Industrial Applied Science and Technology organized by Department of Applied Science and Technology during 4th to 6th Feb 2015.
12. Participated in Short term course on new materials and their characterization and applications, 9 and 10 Oct 2014, held at Department of Mechanical Engineering, Anna University, Chennai-25.
13. Participated in Third International Workshop on Advanced Functional Nanomaterials (16-18 Dec 2015), Ann University, Chennai.

14. Participated in International Conference on Energy, Water and Environmental Sciences and Technology (ICEWEST- 2015), Presidency College, Chennai- 600005.
15. Participated in National Conference on Safety Environment and Industrial Applied science and Technology, 4th – 6th February 2015.
16. Participated in two days workshop on Characterisation of nanomaterials (WNC'13), held from 5th to 6th Nov 2013, by the national Centre for Nanoscience and nanotechnology, University of madras, Chennai-25.
17. Participated in World Congress on Holistic Medicine, on application in Nanotechnology,2013.
18. Participated in one day seminar on Environmental Pollution, Restoration and Management organized by the Department of Chemical Emgineering-2013,Chennai.
19. Participated in International conference on Engineering materials and processes (ICEMAP-2013), at Tagore Eng. College, Chennai.
20. Participated in Second International Workshop on advanced Functional Nano materials, 2013,Anna University, Chennai.
21. Participated in the International workshop on Advances in photonics and Optical materials, organized by Department of physics and Electronics and Communication Engineering, held at SSN College of engineering from 9-11 Feb, 2012.
22. Participated in National workshop on preparation and characterization on nanomaterials (NWPCN-2011) University of Madras, Chennai-2011.
23. Association of Nanoscience and nanotechnology aspirants (ANNA),Nanomeet-2011.
24. Participated in International workshop on advanced Functional Nano materials, Centre for Nano Science and technology, Anna University, Chennai,2011.
25. Participated in a Technical Synbosium on materials of Applied Nanoscience and Nanotechnology Research (MANNAR), 2011.
26. Participated in National workshop on preparation and characterization on Nano materials(NWPCN-2011) University of Madrs,Chennai,2011.
27. Participated in “Recent trends in crystal Growth” Crystal growth centre, Anna University, Chennai,2010.
28. Association of Nanoscience and nanotechnology aspirants(ANNA),nanomeet-2010.
29. Participated in “Drug development strategies(Participation)”- UGC – National seminar on Role of Chemistry in drug development strategies, Department of Chemistry, S.V Arts college for mem, Tirupati,2005.
30. Participated in National symposium om Metallo-organic chelates and Recent advances in Chemistry at Presidency College, Chennai, 2001.

31. Participated in ISO 9000 Quality System Awareness training by QSR Technologies, Chennai-2000.
32. Participated in National Conference on Industry and Environment. (December 1999, Karad, Maharashtra).
33. Participated in “Role Chemists on the in University –Industry Interaction”- National Seminar on the role of Chemists in University –Industry Interaction, S.V.University, Tirupati-1994.
34. Participated in National Seminar on the Role of Chemists in University - Industry Interaction (1994), S.V.University, Tirupati.

RESEARCH SCHEME SUPPORTED BY NATIONAL AGENCY:

RESEARCH PROJECT APPLIED / FUNDING AGENCY

Name of Project	Funding Agency	Duration	Total Project outlay	Date/Year of Completion
1. Synthesis of nano carbons from Agroindustrial waste	CTDT (Student Innovative Project)	1 Year	Rs. 25,000/-	2013
2. Development of Metal Sulphite Co doped titania Nanotubes for Photoelectro Chemical Water Splitting Application	DST- India Portugal inter-governmental Programme of Cooperation in Science and Technology.	Submitted		

Details of Supervision / Research Guidance/Ongoing Projects

Sl. No	Student Name	Thesis	Status	Degree awarded	Year
1.	Maxellan Mero	Innovative Use of Nanotechnology and Ultrasonic waves in Paints	Completed	M.Tech	2012
2	Ellakiya	Nanomaterials for heat insulation in window glasses	Completed	M.Tech.	2014
3	Madhuree Dharpuree	Nanoclay incorporated Complex Composites for structural studies	Completed	M.Tech.	2014
4	J.Sandhya	Green synthesis of silver nanoparticles and its characterization	Completed	M.Tech	2014
5	D.Angelene Hnnah Jebarani	Synthesis of Carbon Nano particles from Industrial agro waste.	Completed	Sponsored Project	2014
6	Banupriya .S	Synthesis of Graphene oxide (GO) and study of their electrochemical properties.	Completed	M.Tech.	2015
7	Mubeen G	Nanocomposite materials	Completed	M.Tech.	2015
8	Nivaz S.R	Nanocoolant materials in Devices	Completed	M.Tech.	2015

9	ValarPriya MV	Application of Nanoporous materials.	Completed	M.Tech.	2015
10	KarpagaValliammal AN	Photosynthesis and characterization of cuprous oxide nanoparticles	Completed	M.Tech.	2015
11	RagavendraBabu	Physico Chemical and structural characterization of the N-Acyl Chitosan	Completed	M.Tech.	2016
12	Yalini Devi N	Nylon/TiO ₂ Nanocomposites for Automobile application	Completed	M.Tech.	2016
13	Thirumalesh S	Polyvinylchloride/MgO nanocomposites for electrical insulation application	Completed	M.Tech.	2016
14	Yunus Salim H	Synthesis and characterization of aluminium doped titanium dioxide polymer nanocomposites	Completed	M.Tech.	2016
15	Muthu Veerappan R	Synthesis and characterization of Nickel ferrite doped polymer nanocomposites (PVA-NiFe ₂ O ₄) for electrochemical device applications	Completed	M.Tech.	2016
16	GEETHA.G	Formulation of Nanofertilizer Encapsulated with Zeolite for Enhancement of Plant growth	On going	M.Tech	2017
17	LURDHUMARY.J	Development of thermal conductive, electrical insulating and fire retardant epoxy nanocomposite for electronics industry applications	On going	M.Tech	2017
18	PREMALATHA.K.E	Nanofertilizer Encapsulated with Zeolite for Enhancement of WOOD growth	On going	M.Tech	2017

Membership/Fellowship titles in Professional societies

1. Fellow, Indian Chemical Society (Life Member), Kolkatta (F.I.C.S.)
2. Life Member, National Environmental Science Academy, New Delhi – 110 019.
3. Member, Indian Science Congress, New Delhi (I.S.C.)
4. Founder and Hon. Advisor - Educational and Social Research Organization,(ESRO)
5. and ESR Charitable Foundation
Chennai.
6. Editor: Valarum Ariviyal
7. Life Member - World Tamil Writer's Association

Details of Prizes, Medals and other Honors received Awards: More than 100

- International Millennium award
- Educational Service Award, Middle East University,
- Paramapara Award,Silicon city group, Bangalore 2016
- Abdulkalam Award, Puduchery 2015
- National Environmental Science Academy Award New Delhi
- DR APJ Abdul kalam Award DrAPJ Abdul kalam International Foundation
Rameshwaram 2017
- Best Service Award Indo Russian Club Madras Film Society Chennai 2016
- Mullaicharam Gold Life Time Achiment Award 2016
- Chennai AIMS 5th year Celebration Award 2015
- Best Children Science Writer Award Bapasi 2015
- Tamilyagara Mandarm Award, Chennai 2015
- Thiruvalluvar Award 2015
- Ilakkia Golden Jubilee Justice Mohan Award Chennai 2015
- Educatonal service Award Zemac Abaus Salem 2015
- Wellness Doctors Forum i Life Time Service Award Chennai 2014
- Lions Clubs Zone Award
- Kanniyam Award
- Shaksa Rathan Award
- Best Writer (1999) award was given by Tamilnadu Reporters Association.
- Media guild award for 2010-2011: Honored by Counsel General of Japan
- **Life time achievement Award** from: The Tamil Nadu Dr.M.G.R. Medical
University, (2012) Govt. of. Tamil Nadu, Chennai
- Best Service for the physically challenged award for the year 2012, from Tamilnadu
Social welfare minister.
- Social Activities: Doing Social Service to the poor, needy and physically challenged
people. Education aid to the poor and meritorious students.