Resume: Dr. K. Parameswari

Current Position: Associate .Professor,

Department of Chemistry, School of science and Humanities,

Karunya Institute of Technology and Sciences, Coimbatore-641114, TN, India

Mail id: parameswari@karunya.edu

Mobile: 9787337589

Date of Birth: 11-06-1967

Education

Karunya University		Ph.D	Department of Chemistry,	2011

Thesis: '***Preparation, Characterization and Application of Ti/TiO_2 in Electroorganic Synthesis'***

Supervisor: **Dr. C. Joseph Kennady**

Bharathiyar University, Coimbatore, India		M.Phil	Chemistry	2005
Bharathiyar University, Coimbatore, India		M.Sc	Chemistry	1999
Madurai Kamaraj Madurai, India	University,	B.Sc	Chem, Phy, Maths,	1987

Awards

1. **Best Teacher Award** for the year 2012 in Karunya University
2. **Aqua Foundation Excellence Award for the year 2016 under the category of Development of Technology** from Aqua Foundation, New Delhi..
3. **Achiever's Award** 2016-17 from Karunya University for obtaining Funded project from the Ministry of Science and Technology (DST- WTI)
4. **Best Paper Award** for the title "Performance Evaluation Of Electrodes TiO_2/Zn By The Thermal Decomposition Of $TiCl_3$ And TTIP In The Treatment Of Textile Dyeing Wastewater By Electrocoagulation Process – A Comparative Study, International Conference on Wastewater Management - (ICWW-2017), 17 to 19th August 2017, Kumaraguru College of Technology, Coimbatore.
5. **'Best Research Award'** International Research Awards on New Science Inventions NESIN 2020 Awards, ScienceFather is a trademark of Scifax company (Reg. No. 130116), Approved and Registered by Ministry of Corporate Affairs (MCA), Govt. of India.

Administrative Responsibility

HoD i/c (2015 Jan to May 2016)

i. Revived M.Sc Course with 24 strength
ii. FIST 2015 (Level I)
iii. Faced committees NAAC 2016, NBA 2015

Research Experience

- Graduate Student Researcher, Department of Chemistry, Karunya University 2006-2011
  Supervisor: Dr. C. Joseph Kennady
- Preparation of Ti/TiO_2 electrode by different methods and characterization.

- To develop an efficient Ti/TiO_2 by optimizing the preparation variables for electroorganic synthesis.
- Preferably to optimize the conditions to have more of anatase phase of TiO_2 this has better electrocatalytic activity.
- Preparation of TiO_2/Cyclodextrin composites for photodegradation of aniline dyestuff
- .Graduate Student Researcher, Department of Chemistry, Shri Ramakrishna Mission Vidyalaya College of Arts & Science, Bharatiyar University 2003-2005.

  Supervisor: Dr.V.Chinnusamy

- "Synthesis, characterization, electro chemistry, catalytic and biological activities of ruthenium(III) complexes with bidentate N, O/S donor ligands"

Associated with: Water Institute, Karunya University

- Water purification with F-Sand with Moringa Oleifera Cationic Protein in Rural Communities.
- Biosynthesis of Ag nanoparticles from Leaf extract of Moringa Oleifera for water purication.
- Treatment of Textile Dyeing Waste water using TiO_2/Al electrodes in electrocoagulation process.

Research Interest

- Electrocatalyst
- Water Purification Technique
- Nanocomposite Characterization
- Modified TiO_2/Metal electrodes – characterization and application in textile dyeing water treatment.

Academic: Subjects handled

18 years + experience in teaching subjects like

B.Tech Classes

- Applied chemistry, Environmental sciences for **I B.Tech**
- Elective Subject – Evolution of Materials for **I B.Tech**
- Applied Chemistry Lab **(I B.Tech)**
- Free Elective Subject- Chemistry in Everyday Life for **III, IV B.Tech**
- Value Education, Soft Skills **(II, III, IV B.Tech, I M.Tech, I M.B.A)**

M.Sc Chemistry and M.Sc Nano Inte.Science

- Reaction Mechanism and Stereochemistry, Chemical bonding and Nuclear Chemistry, Materials Chemistry, Physical Chemistry, Coordination Chemistry, Fuel Cells and Energy Storage Devices, Basic Inorganic Chemistry and Nuclear Chemistry for **M.Sc (Chemistry)**
- Basic Inorganic Chemistry Chemical Kinetics and Surface Chemistry, Nanomaterials for Health Care, Nanotechnology in Health Care **M.Sc (Integrated NanoScience**)
- Electrochemical Water Processing and Water Treatment - **M.Tech (IWRM)**
- Qualitative Inorganic Analysis Lab, Modern Instrumentation Lab, Preparative Inorganic Lab **(I M.Sc Chemistry)**
- Qualitative Organic Analysis Lab **(I M.Sc Inte. Nano Science)**

Paper Publications:

1. **Parameswari Kalivel**, Jagadeesh. T, Subbiah Kavitha, Dhanasekaran Padmanabhan, Jegathambal Palanichamy, Asath Murphy. "Comparative Study on Removal of Yellow 10gw Dye from Aqueous Solution using Al, Cu Electrodes in Electrocoagulation" **(Accepted for publication in Materials Today Proceedings on 13th November 2020)**
2. **Parameswari Kalive**l,, Rajkumar Pluto Singh, Subbiah Kavitha, Dhanasekaran Padmanabhanb, Suresh kumar Krishnan, Jegathambal Palanichamy, Elucidation of Electrocoagulation Mechanism in the Removal of Blue SI dye from aqueous solution using Al-Al, Cu-Cu Electrodes - A Comparative Study" Ecotoxicology and Environmental Safety, 201 (2020) 110858.

3. **Parameswari Kalivel**, Jegathambal Palanichamy and Vijila Moses, Preparation and application of TiO2/Al electrode for the removal of disperse dye in EC process "Eco. Env. & Cons. 26 (August Suppl. Issue) : 2020; pp. (S24-S29) .
4. Parameswari Kalivel, Vijila Moses And Jegathambal Palanichamy "optimization of Color Removal of Blue Si Dye Solution With Al-Al, Cu-Cu Electrodes In Electrocoagulation Process Using Statistical Modelling" Poll Res. 39 (3) : 778-783 (2020)
5. Jegathambal Palanichamy, Preethi Grace, Rabeb Tridi, **Parameswari Kalivel,** Sundarambal Palani Water quality parameters as indicators to study the interactions of nanoparticles in an aqueous environment Environmental Nanotechnology, Monitoring & Management 14 (2020) 100329
6. **Parameswari Kalivel,,** Jegathambal Palanichamy and Mano Magdalene Rubella Potential of Ti2O3/Zn Electrodes versus Zn by Electrocoagulation Process for Disperse Dye Removal Asian Journal of Chemistry; Vol. 31, No. 8 (2019), 1835-1841. https://doi.org/10.14233/ajchem.2019.22097
7. P. Jegathambal · R. R. Nisha · **K. Parameswari** · M. S. P. Subathra Desalination and removal of organic pollutants using electrobiochemical reactor Applied Water Science (2019) 9:113. https://doi.org/10.1007/s13201-019-0990-0.
8. U.Pramodh Kumar, S.Saranya, **K.Parameswari**, C.Joseph Kennady 'Influence of p-hydroxy benzaldehyde on the corrosion properties of Ni–W coating on mild steel" Voprosy khimii i khimicheskoi tekhnologii, (Issues of Chemistry and Chemical Technology) 2017, No. 5 pp 11-18.
9. Geenu Kurian, **K,Parameswari**, P.Jegathambal "Performance Evaluation of Electrodes TiO_2/Zn and zinc in the Treatment of disperse dye by Electrocoagulation Process – A Comparative Study". Research Journal of Chemistry and Environment Vol. 22 (10) October (2018). P 27-33.
10. P. Jegathambal · R. R. Nisha · **K. Parameswari** · M. S. P. Subathra Desalination and removal of organic pollutants using electrobiochemical reactor Applied Water Science (2019) 9:113. https://doi.org/10.1007/s13201-019-0990-0.
11. Simon Wicki, Jegathambal.P, **Parameswari. K**, James EJ, "Continous Flow Column Study on Biosortion of Reactive Dyes Using Cationic Protien from Moringa Oleifera Seeds"

Journal of Organic and Inorganic Chemistry Vol 1 No 1:7, p 1-5 2015. DOI: 10.21767/2472-1123.100007

12. R. R. Nisha, P. Jegathambal**, K. Parameswari**, K. Kirupa "Biocompatible water softening system using cationic protein from *moringa oleifera* extract" Applied Water Science July 2017, pp 1 – 9. DOI 10.1007/s13201-017-0591-8.
13. **K.Parameswari,** C.Joseph Kennady 'Structural and Electrochemical Properties of Ti/TiO_2 Electrode Prepared from $TiCl_3$ by Thermal Decomposition Method' Journal of the Electrochemical Society of India, vol No 59 No ½ Jan & April 2010 p 24-28.
14. **K.Parameswari,** C.Joseph Kennady 'Crystalline structure and electro organic application of Ti/TiO_2' Karunya Journal of Research, Vol 1 Iss 3 Sep 2011.
15. **K.Parameswari,** C.Joseph Kennady 'Properties and Electro-Organic Applications of Nano crystalline Ti/TiO2 Electrode Prepared by Anodizing Method' Journal of the Electrochemical Society of India, Vol. No. 61 -1 - January 2012, p 12-17.
16. **K.Parameswari,** C.Joseph Kennady 'Surface Morphology, Electrocatalytic Activity, Corrosion Resistance and Electro-oragnic Application of Ti/TiO2 prepared by Thermal Decomposition of TTIP' International Journal of Applied Sciences and Nanotechnology, Issue 1, 2013, p 67-73.
17. **K.Parameswari,** C.Joseph Kennady, 'Comparative Study of Preparation, Phase formation and Application of Ti/TiO_2 electrode prepared by thermal decomposition of $TiCl_3$ with HNO_3/H_2O_2' Chem Sci Rev Lett, 2014, 3(11) 224-230.
18. K.Parameswari, V.Chinnusamy et al 'Synthesis, characterization, electro chemistry, catalytic and biological activities of ruthenium(III) complexes with bidentate N, O/S donor ligands' Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Nov 2006;65(3-4): p 678- 83. IF: 2.981 (cited by 86)

Book Chapter Published:

1. "Surface morphology, Electrocatalytic activity, Corrosion resistance and Electro-organic application of Ti/TiO_2 electrode prepared by thermal decomposition of Titanium Trichloride and H_2O_2" **K. Parameswari** and C. Joseph Kennady, Advanced Nano Materials for Industrial Applications, pp. 317-324 (2012). © Bloomsbury Publishing India Pvt. Ltd.-ISBN: 978- 93- 85436- 93- 2.

2. "Phase Manipulation in TiO_2 Coating on Titanium Substrate by Thermal Decomposition Method for Better Electrocatalytic and Photocatalytic Effect" K**.Parameswari** and C. Joseph Kennady, Advanced Nano Materials: Synthesis and Applications, pp. 231-236 (2015). © Bloomsbury Publishing India Pvt. Ltd.- ISBN:978-93-85436-74-1.
3. Phase Manipulation in TiO_2 for Better Electrocatalytic and Photocatalytic Effect Part II (Nanomaterials as Catalyst) Chapter 11 **K.Parameswari** and C. Joseph Kennady, Nanomaterials, Apple Academy Press.
4. "Treatment of Textile Dyeing Waste Water Using TiO2/Zn Electrode by Spray Pyrolysis in Electrocoagulation Process" Dyes and Pigments Intech Open, p 1-18, 2021

Patent granted: "A method for decolourization of dyeing waste water by electrocoagulation using titanium dioxide coated Aluminium electrode" Ref. No./Application No. 2474/CHE/2015, C.B.R No. 9704.

Grants Fetched:

1. Rs 40,000/ under 'Karunya Seed Money Grant'- Photodegradation of organic dyestuff on the composite material of TiO_2/cyclodextrin and carbon nanotubes.

2. Project "A Novel TiO_2 coated Aluminium Electrode (TiO_2/Al) for treatment of textile dyeing wastewater using real time controlled multichannel electrocoagulation process" of Rs 37,09, 600 Lakhs. DST/TM/WTI/2K16//237/(G) from May 2017 to April 2020.

Paper Presentations

1. **K. Parameswari,** C.Joseph Kennady 'Novel route for the preparation of thermally coated Ti/TiO_2 electrode' National Conference on Corrosion Assessment and its Control, Dec 21-22, 2009 Thiyayagaraja Eng. College, Madurai.
2. **K.Parameswari,** C.Joseph Kennady 'Preparation and Characteristics of Ti/TiO_2 by Anodizing method' 15th National Convention of Electrochemists (NCE-15) Feb 18, 19th 2010 VIT, Vellore.
3. **K.Parameswari,** C.Joseph Kennady 'Surface morphology, electrocatalytic activity, corrosion resistance and electro-organic application of Ti/TiO_2 electrode prepared by thermal decomposition of titanium trichloride and H_2O_2, **International Conference** on

Macro- and Supramolecular Architecture and Materials MAM-12, November 21-25 2012.

4. **K.Parameswari,** C.Joseph Kennady 'Comparative study of Ti/TiO_2 electrode from $TiCl_3$ with HNO_3/H_2O_2' **International Conference** on Emerging Trends in Chemical Sciences (IETC2013) Dec 5- 7^{th} 2013.
5. **K.Parameswari,** C.Joseph Kennady "Phase Manipulation in TiO_2 for Better Electro and Photocatalytic Effect" **Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014), Mahatma Gandhi University, Kottayam, Kerala. Dec 19-21 2014.**
6. Ms.Nisha .R.R , Jegathambal.P, **Parameswari. K** 'Water Purification Using f-sand (nano) with Moringa Oleifera Cationic Protein in Rural Communities' Periyar Maniammai University, **International Conference** on Disaster Mitigation and Management Towards Sustainable Developement - IDMS Dec 2013.
7. Ms.Nisha .R.R, Jegathambal.P, **Parameswari. K**, Ochiche Andrew Lilus Biosynthesis of Silver nanoparticles from leaf extract of Moringa Oleifera for water purification, National Conference on Recent Advances in Civil Engineering Research, Karunya University, April 2014.
8. **K.Parameswari**, Praveena " Photodegradation of amino aromatic on the composite material of TiO_2/Chitosan National Conference on "Recent Advances in Chemistry" organized by Royal Alfred Nobel Association, PG and Department of Chemistry, E.R.K Arts and Science College held on 7^{th} August 2015.
9. **K.Parameswari,** C.Joseph Kennady "Phase Manipulation in TiO_2 Coating on Titanium Substrate by Thermal Decomposition Method for Better Electrocatalytic and Photocatalytic Effect" **International Conference** on Nanomaterials and Nanotechnology (NANO-2015), KSR rangasamy College of Technology, Thiruchengodu, Tamilnadu, Dec 07-10, 2015.
10. P.Jegathambal**, K.Parameswari,** K.Vinodha, T.Shylu, M.Surya and Katharina Lehner "Treament of Textile Dyeing Waste Water using TiO2/Al Electrode in Electrocoagulation Process" in **International Conference** Water from Pollution to Purification (ICW 2016) Mahatma Gandhi University, Kottayam, Kerala. Dec 12-15 2016.

11. P. Jegathambal, T. Preeti, Rabeb and **K. Parameswari** "Impact of Engineered Nanoparticles on Water Quality Parameters in the Aqueous Environment**"** in **International** Conference Water from Pollution to Purification (ICW 2016) Mahatma Gandhi University, Kottayam, Kerala. Dec 12-15 2016.

12. R. Karthika, **K. Parameswari**, Geenu Kurian, Paul P. Alias and P.Jegathambal "Decolourization of Textile Dyeing Wastewater using TiO2/Zn by the Thermal Decomposition of TTIP by Electrocoagulation Process" on Fifth National Conference on Advanced Materials and Applications NCAFMA 2017 March 30-31st 2017 in Kalasalingam University, TN.

13. Paul P. Alias., **K. Parameswari**, R. Karthika Geenu Kurian, and P.Jegathambal "Treatment of Textile Dyeing Wastewater using TiO2/SS by Electrocoagulation Process" on Fifth National Conference on Advanced Materials and Applications NCAFMA 2017 March 30-31st 2017 in Kalasalingam University, TN.

14. Geenu Kurian **K . Parameswari**, R. Karthika, Paul P. Alias., and P.Jegathambal Treatment of Textile Dyeing Waste Water using TiO2/Zn Electrode from TiCl3 in Electrocoagulation Process" on Fifth National Conference on Advanced Materials and Applications NCAFMA 2017 March 30-31st 2017 in Kalasalingam University, TN.

15. P. Jegathambal, Khouloud. Dridi, Krifa. Arij**, K. Parameswari** and Ruban**,** High Performance Membrane based Capactive Deionization Unit (MCDI) with Nano Graphene Oxide Coated Electrodes in Treatment of Textile Dyeing Effluent, **International Conference** on Wastewater Management - (ICWW-2017), 17th to 19th August 2017,Kumaraguru College of Technology, Coimbatore.

16. **K. Parameswari ,** P. Sopna, S. Abdul Gafoor and P. Jegathambal Performance Evaluation Of Electrodes TiO_2/Zn By The Thermal Decomposition Of $TiCl_3$ And TTIP In The Treatment Of Textile Dyeing Wastewater By Electrocoagulation Process – A Comparative Study, **International Conference** on Wastewater Management - (ICWW-2017), 17th to 19th August 2017,Kumaraguru College of Technology, Coimbatore.

17. "Removal Of Disperse Dye Using Zn And SS Electrode In Electrocoagulation Process.– A Comparative Study" K. Mano Magdalin Rubella, **K. Parameswari** and P. Jegathambal Scoping Workshop and National Conference on Challenges And

Opportunities In Textile Wastewater Management conducted on 19—20 September 2017, Karunya University.

18. **K. Parameswari** Poster Presentation "Novel TiO2/Al Electrodes in Textile Dyeing Waste Water Treatment" in the department of Pre-Engineering Programme-Division of Chemistry, Karunya University on 29th Sep 2017.
19. Poster Presentation Treatment of Textile Dyeing Waste Water using TiO_2/Al Electrode by Spray Pyrolysis in Electrocoagulation Process K. Mano Magdalin Rubella, **K. Parameswari** and P. Jegathambal on International Conference on Engineering and Advancement in Technology 2018(ICEAT-2018) on March 22, 23rd in SriKrishna Engineering College of Technology, Coimbatore.
20. Poster Presentation Electrocoagulation Process using TiO_2/Zn electrodes for the treatment of disperse dy**e** M.Sangeetha, **K. Parameswari** , S. Abdul Gafoor and P. Jegathambal on **International Conference** on Engineering and Advancement in Technology 2018(ICEAT-2018) on March 22, 23rd in SriKrishna Engineering College of Technology, Coimbatore.
21. Poster Presentation on Treatment of Textile Dyeing Waste Water Laded with Disperse dye using TiO_2 /Al by Electrocoagulation R.Shanmugapriya, **K. Parameswari**, P. Sopna and P. Jegathambal **International Conference** on Engineering and Advancement in Technology 2018(ICEAT-2018) on March 22, 23rd in SriKrishna Engineering College of Technology, Coimbatore.
22. Paper Presentation on Treatment of Textile Dyeing Synthetic Wastewaterin EC process using TiO2/Al prepared by Thermal Decomposition and Spray Pyrolysis - A comparative Study K. Mano Magdalin Rubella, **K. Parameswari** and P. Jegathambal National seminar on Innovations in Chemical Sciences and Green Technology 6,7th Sep 2018, PSGR Krishnammal College for Women, Coimbatore.
23. Treatment of Textile dye Coralene Navy RDRLSR using TiO_2/Zn Electrode from $TiCl_3$ in Electrocoagulation Jagadeesh. T, **Parameswari.K**, National Conference on Recent Trends in Chemistry '19 at Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore on 1, 2nd Feb 2019.
24. Decolourization of Coralene Red 3G using TiO_2/Zn by the Thermal Decomposition of TTIP by Electrocoagulation Process, Jithin C.J , **Parameswari. K**, National Conference

on Recent Trends in Chemistry ’19 at Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore on 1, 2nd Feb 2019.

25. Performance of Ti_2O_3/Zn electrodes verses Zn by Electrocoagulation Process for Disperse Dye Removal R. K. Pluto Singh, **Parameswari.K**, National Conference on Recent Trends in Chemistry ’19 at Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore on 1, 2nd Feb 2019.
26. **K. Parameswari** and P. Jegathambal Removal of Blue SI dye using Al, Cu in Electrocoagulation Process – A Comparative Study in National Conference on Recent Trends in Chemistry of Materials (NCRTCM-2019) organized by Department of Chemsitry, Bannari Amman Institute of Technology on 11-12 October 2019.
27. Potential Removal of Yellow 10gw Dye Water using Cu & Al Electrodes in Electrocoagulation Jeby Sherin James, M S Asath Murphy, Silvy Jacob, Parameswari Kalivel National Conference on Recent Trends in Chemistry of Materials (NCRTCM-2019) organized by Department of Chemsitry, Bannari Amman Institute of Technology on 11-12 October 2019.
28. Treatment of Textile Effluent in Electrocoagulation Process With Al-Al Electrodes, Jeby, Paramesawri, Ist International Conference on Frontiers in Chemical Sciences (ICFCS-2020), Karunya Instititute of Technology and sciences, 4 th & 5th, March 2020.
29. Treatment of Textile Effluent Using Al-Al, Cu-Cu in Electrocoagulation Process – A Comparative Study, Parameswari.K, Ist International Conference on Frontiers in Chemical Sciences (ICFCS-2020), Karunya Instititute of Technology and sciences, 4 th & 5th, March 2020.
30. Treatment of Textile Dyeing Effluent With Cu-Cu Electrodes in Electrocoagulation, Asath Murphy, Parameswari. K, Ist International Conference on Frontiers in Chemical Sciences (ICFCS-2020), Karunya Instititute of Technology and sciences, 4 th & 5th, March 2020.
31. Stainless Steel Electrodes in the Treatment of Textile Dyeing Effluent in Electrocoagulation Process Sylvy Jacob, Paramesawri. K, Ist International Conference on Frontiers in Chemical Sciences (ICFCS-2020), Karunya Instititute of Technology and sciences, 4 th & 5th, March 2020.

Invited Talk

1. "Phase Manipulation in TiO_2 for Better Electro and Photocatalytic Effect" **Second International Conference on Nanostructured Materials and Nanocomposites (ICNM 2014), Mahatma Gandhi University, Kottayam, Kerala. Dec 19-21 2014.**
2. "Application of TiO_2 Coated Electrodes in Organic Synthesis and Textile Waste Water Treatment" in the **Seminar Organized under UGC SAP DRS II in the Department of Polymer Science and Technology, CUSAT, Kochi-22** 0n 14.03.2016.
3. One Day **Personality Development Programme** 12th Sep 2014 St.Pauls's College of Arts and science for Women, Coimbatore
4. Guest Lecture delivered in **"Career Guidance with Soft Skills Enhancement for UG and PG Chemistry Students"** on 28-07-2016 in the Chemistry Association meeting at Nirmala College for Women, Coimbatore.
5. **"Enhancing Electrocatalytic Activity of TiO_2 Electrodes by Phase Manipulation"** in the Chemistry Association held in PG and Research Center, Department of Chemistry, Jayaraj Annapackium College for Women, Periyakulam on 03-12-2016.
6. One day Workshop **Special lecture on Women Empowerment** 17th Feb 2016 Kongunadu Arts and science College , Coimbatore
7. ".**Methodology on Paper Recycling Process – Recycling Unit**" held on 9th Sep 2017 at Karunya University for Solid Waste Management club students.
8. One Day National Seminar on Morals and Ethical Values 21-09-2017 St. Pauls's College of Arts and science for Women, Coimbatore
9. **Teaching Philosophy Statement for Effective Leaning** One day Workshop on "Improving Effectiveness on Teaching and Quality of Education 24th June 2016, Dept of Science and Humanities, Karunya University
10. **''Modified Electrodes in the Treatment of Textile Dyeing Wastewater''** on Feb 9th 218, National Conference on Current Trends in Polymer Science (CTPS 2018), **Department of Polymer Science and Rubber Technology, CUSAT, Cochin .**
11. **"Challenges for Chemists to Solve"** for the I, II B. Sc Chemistry students in Nirmala College for Women, Coimbatore, on 15-10-2018 Coimbatore.

12. State Level Seminar on "Importance of Human Values in the Present Scenario" organized by St. Paul's Centre for Human Excellence at St. Paul's College for Women, Coimbatore on 11-12-2018.

13. Invited Talk on "Modified Electrodes in Textile Wastewater Treatment": Chief Guest Lecture on **National Conference on Recent Trends and Advances in Greener Synthesis (RTAGS-2020)**, at SNS College, Coimbatore 7th Feb 2020
14. Invited Talk (Webinar) 'Valuing Water' on World Water Day Mar 22 organized by the Department of Life Sciences, Kristu Jayanthi College, Bangalore.

Conferences Conducted:

1. Scoping Workshop and National Conference on Challenges And Opportunities In Textile Wastewater Management (19—20 September 2017) as Coordinator organized by Karunya University, Coimbatore In Collaboration with Devi Thread Processors Pvt. Ltd, Coimbatore and Ministry of Environment , Forests and Climate Change (MoEF & CC)
2. One Day Workshop organized on Methodology on Paper Recycling Process- Recycling Unit on 9th Sep 2017 at Karunya University for 'Solid Waste Management' Club Students.
3. INDIA-RUSSIA INTERNATIONAL CONSULTATION ON Water Resources Research, Development and Management for Human Welfare and Environmental Protection and CONFERENCE ON Emerging Technologies in Textile Wastewater Management 27 - 28, November, 2018

Member in Boards

1. Panel Member in the Interview Committee for the Selection of Asst. Professor in PSGR Krishnammal College for Women, Bharatiyar University, Coimbatore on 08-07-2016.

2. Member in **Nanoscience and Nanotechnology Society -** Mahatma Gandhi University, Kottayam, Kerala.

3. Board of Studies (BoS) member in the department of chemistry on 03-12-2016 in Jayaraj Annapackium College,Mother Teresa University, Periyakulam.

4. Examination Scrutiny- Dr.N.G.P College of Arts and Science, Coimbatore on 14-03-2020.