CURRICULUM VITAE

Dr. D. ILANGESWARAN, M. Sc., M. Phil., Ph.D.,
Assistant Professor Selection Grade & Research Advisor
RAJAH SERFOJI GOVT. COLLEGE (Autonomous),
Thanjavur - 613005

Address for Communication
No. 35, A.V.P. Azhagammal Nagar Extension
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Permanent Address
2/93, South Kuthagai
Ayakkaranbulam – 2 Post
Vedaranyam - Taluk
Nagapattinam – Dt, 614 707

Personal Details

Date of Birth:	17.05.1967
Marital Status:	Married
Sex:	Male
Nationality:	Indian
Religion:	Hindu
Community:	Backward class
Languages known:	Tamil and English

Academic Qualification:

- **S.S.L.C.,** Govt. Hr.Sec.School, Ayakkaranbulam, March 1982, **72**% (II Rank*)
- **Hr. Sec**, Govt. Hr.Sec.School, Ayakkaranbulam, April 1984, **76**% (I Rank*)
- **B. Sc. Chemistry,** Alagappa Govt.Arts College, Karaikudi, April 1987, **84**% (I Rank**)
- **M. Sc**. **Chemistry**, Annamalai University, Annamalai nagar, May 1989, **66**%
- **M. Phil. Chemistry,** Annamalai University, Annamalai nagar, **November 1990**, **62**%
- **Ph.D. Chemistry,** Alagappa University, Karaikudi, May 2013, **Highly commended**

(*School level **College level)

Teaching experiences

- Working as **Assistant Professor in Chemistry** at **Rajah Serfoji Govt. Arts College, Thanjavur** since 21st July 2010.
- Worked as **Assistant Professor in Chemistry** at **H. H. The Rajah's College (Autonomous), Pudukkottai** during 9th July 2009 to 20th July 2010.
- Worked as a **Head**, P.G. Department of Chemistry, **J. J. College of Arts & Science**, Pudukkottai during 06th June 2005 to 7th July 2009.
- Handling Classes for weekend & Distance Program M. Sc. Students at Department of Industrial Chemistry, **Alagappa University**, Karaikudi from January 2007 to December 2008.
- Worked as a Lecturer in Chemistry Department, **A.V.C. College** (Autonomous), Mannampandal, and Mayiladuthurai from August 2002 to May 2005, handled classes for both **B. Sc. & M. Sc.** students.
- Worked as a Lecturer (**FIP vacancy**) in P.G. and Research Department of Chemistry, **Khadir Mohideen College**, Adirampattinam during March 2000 to May 2002, handled classes for both **B. Sc. & M. Sc.** students.

Computer proficiency

Operating System:

- MS DOS
- Windows 10, 11
- Windows 8
- Windows 7
- IOS 10
- Android
- Linux (ubuntu)

Software Packages:

- MS Office 2007, 2017
- Page Maker
- Photoshop
- Coral Draw
- Origin
- Chemsketch

Area of Interest:

- Organic Chemistry
- Inorganic Chemistry
- Spectroscopy
- Environmental Chemistry
- Green Chemistry
- Electro Chemistry
- Conducting Polymers
- Phytochemistry

Efficiency in Instruments Handling

- Cyclic Voltameter
- U.V. Spectrophotometer
- F.T.I.R. Spectrophotometer
- E. Q. C. M.
- Ostwald Viscometer

Project Works Completed

UGC Minor Research Project: Rs. 3 Lakh, 2015-2017 on "Investigation on the Development of Deep Eutectic Solvents and their Applications for Green Synthesis of Organic Compounds"

Project Works Done

M. Phil.: "Effect of Solvent on the Chemical Shift and Coupling Constant of PMR Spectra", under the guidance of Prof. R. T. Sabapathymohan, Department of Chemistry, Annamalai University, Annamalainagar.

Ph.D.: "Investigation on the Development of Newer Electrochromic Materials", under the guidance of Dr. P. Manisankar, Prof. & Head, Department of Industrial Chemistry at Alagappa University, Karaikudi.

Project works Guided / Guiding

Class	Completed	Ongoing
M. Sc.	80	02
M. Phil.	27	-
Ph.D.	**03**	**01**

Details of Publications & Conferences

Number of papers Published in Peer Reviewed Journals:	Seventeen*
Number of Seminars/Conferences Attended/Presented Paper:	Thirty-Four*
Number of Refresher Course Attended:	Four*
Number of Orientation Course Attended:	One*
Number of Workshop Attended:	Six*
Number of Special Lecture Given:	Two*
Number of Workshop Organized:	One*

*Details enclosed

Place: Thanjavur
Date: 17.12.2022 **(D. llangeswaran)**

Paper published

1. **"Assessment of Quality of Ground Water in Kandarvakottai and Karambakudi Areas of Pudukkottai District, Tamilnadu"**, D. Ilangeswaran, R. Kumar and D. Kannan, **journal of chemistry,** 2009, 6(3), 898-904**.** http://dx.doi.org/10.1155/2009/628719

(Impact Factor = 3.241)

2. "Electrochemical Synthesis and Spectroelectrochemical Behavior of Poly(Diphenylamine-co-4,4'–Diaminodiphenyl Sulfone)" P. Manisankar and D. Ilangeswaran, **Electrochemica acta**, 55 (2010) 6546–6552**.** DOI:10.1016/j.electacta.2010.06.023 **(Impact Factor = 7.336)**

3. "Electrochemical synthesis, characterization and electrochromic behavior of poly(4-aminodiphenylamine-co-4,4′-diaminodiphenyl sulfone)" D. Ilangeswaran and P. Manisankar, **Electrochimica Acta**, 87 (2013) 895–904. DOI:10.1016/j.electacta.2012.09.040

(Impact Factor = 7.336)

4. "Chemical Synthesis and Characterization of Poly(phenylhydrazine-*co*-4,4′-diaminodiphenyl Sulphone)" D. Ilangeswaran and G. Lakshmi, **Chemical Science Transactions**, 2015, **4(2),** 620-628. DOI:10.7598/cst2015.1008

(Impact Factor = 1.119)

5. "Thermal and Physical Properties of Some Deep Eutectic Solvents" P.G. Ramesh and D. Ilangeswaran, **Proceedings of the International Conference on Nanomedicine (ICON-2019), Springer Proceedings in Materials book series (SPM),** 2019, 34 – 41. **https://doi.org/10.1007/978-3-030-25135-2_4**

6. "Thermal and Physical Properties of L-Lysine Based Deep Eutectic Solvents", P. G. Ramesh and D. Ilangeswaran, **International Journal of Advanced Scientific Research and Management**, Special Issue 4, ICAMA-18, Apr 2019, 100 – 104.

7. "Sugar based DES a new efficient media for the synthesis of 2,6-diarylpiperidin-4-one derivatives", K. Hemalatha and D. Ilangeswaran, **Materials Today: Proceedings**, Volume 33, Part 7, 2020, Pages 2671-2680, https://doi.org/10.1016/j.matpr.2020.01.345

8. "Preparation of some zinc chloride based deep eutectic solvents and their characterization", K. Sarjuna and D. Ilangeswaran, **Materials Today: Proceedings**, Volume 33, Part 7, 2020, Pages 2767-2770, https://doi.org/10.1016/j.matpr.2020.02.080

9. "Synthesis and Characterization of Piperidin-4-one Derivatives Using Green Solvent", K. Hemalatha and D. Ilangeswaran, **Asian Journal of Chemistry**; Vol. 32, No. 4 (2020), 981-984, https://doi.org/10.14233/ajchem.2020.22589

10. "One pot synthesis of 2,6-bis(2/4-hydroxyphenyl)piperidin-4-one derivatives using greener deep eutectic solvent media and their characterization", K. Hemalatha and D. Ilangeswaran, **Materials Today: Proceedings**, Volume 33, Part 7, 2020, Pages 4255-4265. https://doi.org/10.1016/j.matpr.2020.07.353

11. "Preparation and physico-chemical studies of Ag_2O nanoparticles using newly formed malonic acid and $ZnCl_2$-based deep eutectic solvents", K. Sarjuna and D. Ilangeswaran, **Materials Today: Proceedings**, Volume 49, 2022, Pages 2943-2948, https://doi.org/10.1016/j.matpr.2021.11.355

12. "Synthesis of some metal nanoparticles using the effective media of choline chloride based deep eutectic solvents", R. Balaji and D. Ilangeswaran, **Materials Today: Proceedings**, Volume 56, 2022, Pages 3366-3375, https://doi.org/10.1016/j.matpr.2021.10.324

13. "An eco-friendly preparation of 2,6-diarylpiperidin-4-ones using a glucose – choline chloride deep eutectic solvent", K. Hemalatha and D. Ilangeswaran, **Rasayan J. Chem.**, Volume 15, No. 2, 2022, Pages 842-846, http://dx.doi.org/10.31788/RJC.2022.1526321

14. "Choline chloride – Urea deep eutectic solvent an efficient media for the preparation of metal nanoparticles", R. Balaji and D. Ilangeswaran, **Journal of the Indian Chemical Society**, Volume 99, 2022, 100446, Pages 1-9, https://doi.org/10.1016/j.jics.2022.100446

15. "Synthesis and characterization of silver nanoparticles using zinc chloride-sugar-amino acids based novel ternary deep eutectic solvents", K. Sarjuna and D. Ilangeswaran, **ECS Transactions,** Volume 107, No 1, 2022, 4113,
DOI **10.1149/10701.4113ecst**

16. "Silver nanoparticles: synthesis in newly formed ternary deep eutectic solvent media, characterization and their antifungal activity", K. Sarjuna and D. Ilangeswaran, **Current Nanomaterials**, Available online 06 September 2022,
DOI: 10.2174/2405461507666220817155944

17. "I**nvestigation on the formation of L-lysine based ternary deep eutectic solvents and their properties"**, P.G. Ramesh and D. Ilangeswaran, **Journal of Stress Physiology & Biochemistry**, Vol. 18, No. 4, 2022, pages 64-72

Refresher Course Attended

1. **U.G.C**. **sponsored** Refresher Course in Chemistry **during 8-11-2004 to 30-11-2004 at Department of Chemistry, Annamalai University, Annamalinagar** and obtained **Grade "A"**

2. **U.G.C**. **sponsored** Refresher Course in Chemistry **during 30-01-2013 to 20-02-2013 at UGC-Academic Staff College, University of Kerala, Karaiavattom Campus, Thiruvananthapuram** and obtained **Grade "A"**

3. U.G.C**.** sponsored **Refresher Course in Chemistry** during **16-11-2018 to 06.12.2018** at **UGC-HRDC, Madurai Kamaraj University, Madurai** and obtained **Grade "A"**

4. U.G.C**.** sponsored **Refresher Course in Chemistry** during **10-11-2021 to 23.11.2021** at **UGC-HRDC, Bharatiar University, Coimbatore** and obtained **Grade "A+"**

Orientation Course Attended

1. Attended an **Orientation course** from 09-07-2009 to 05.08.2009 at New College, Chennai and organized by the UGC – Academic Staff College, University of Madras, Chennai – 600005, jointly with **Tamilnadu State Council for Higher Eductaion**.

Seminar/Symposium Participation/ Presentation of papers

1. **D. llangeswaran**, P. Anbusrinivasan and T. M. Satheeskannan presented a paper on "**The Study of Foliar Application of Nutrients on Plants to Minimize Environmental Pollution**" at Regional Symposium on Environmental Impact Assesment and Control, September 2-3,2004, conducted by Department of Chemistry, A.D.M. College for Women, Nagapattinam.

2. **D. llangeswaran**, and S. Anbazhakan presented a paper on "**Identification of Beta-Sitosterol from the Medicinal Herb *Leucas aspera* Spreng**" at State Level Seminar on Phytochemisty, September 25 2004, conducted by Department of Chemistry & Biochemistry, Theivanai Ammal College for Women, Villupuram.

3. **D. llangeswaran** and V. Subha presented a paper on "**A Study on the Efficiency of Waste Water Management in a Textile Industry**" at Golden Jubilee State Level Seminar on Innovative Approaches to Plant Sciences, February 24-25, 2005 conducted by Department of Botany, A.V.C.College (Autonomous), Mannampandal, Mayiladuthurai.

4. **D. llangeswaran**, P. Anbusrinivasan, G. Vasudevan, M. Suganthi and G. Madurambal presented a paper on "**Growth and Characterization of Undoped and Doped Benzophenone**" at **National Seminar** of Applied Research on Solid State Chemistry, 25 & 26th February 2005, Annamalai University and Indian Association of Solid State Chemistry and Allied Scientists **(ISCAS)**.

5. **D. llangeswaran** and S. Anbazhakan presented a paper on "**Creation of Awareness of The Medical Plants and their Utilization through the Educational Institutions**" at **U.G.C.** Sponsored **National Seminar** on Present Status and Future Trends in Medicinal Plants Production, Marketing and Trade, March 2 – 3, 2005, organised by Department of Agricultural Economics, Faculty of Agriculture, Annamalai University.

6. **D. Ilangeswaran**, participated the **Inter-national** symposium on "**Organic Chemistry – Today and Tomorrow**" held from January 4-7, 2006 at the **Indian Institute of Science**, Bangalore.

7**. D. Ilangeswaran**, C. Vedhi, PL. Abiramasundari and P. Manisankar presented a paper on "**Synthesis and Characterization of Poly(diphenylamine-*co*-4,4'-diaminodiphenylsulphone**" at **National seminar** on Recent Advances in Textile and Electrochemical Sciences", June 1-2, 2007 organized by Department of Industrial Chemistry, **Alagappa University**, Karaikudi.

8. **D. Ilangeswaran** and P. Manisankar presented a paper on **"Electrochemical copolymerization of 4-aminodiphenylamine and 4,4'-diaminodiphenyl sulfone"** at **National seminar** on Recent Advances in Textile and Electrochemical Sciences", December 19 - 20, 2008 organized by Department of Industrial Chemistry, **Alagappa University**, Karaikudi.

9. **D. Ilangeswaran** participated in **"UGC Sponsored State Level Seminar on NMR Applications and Energy Materials"**, 21st February 2011 organized by **Rajah Serfoji Govt. College (Autonomous),** Thanjavur.

10. **D. Ilangeswaran** and K. Uma presented a paper on "**Chemical Oxidative Synthesis of PolyDiphenylamine-Metal Nano Composites and their Characterization"** in **"UGC Sponsored National Seminar on Recent Trends in Polymer and Green Chemistry"**, 2-3rd February 2012 organized by **Rajah Serfoji Govt. College (Autonomous),** Thanjavur.

11. **D. Ilangeswaran,** P. Maheswari and P. Manisankar presented a paper on **"Synthesis and Characterization of Poly(diphenylamine-*co*-phenylhydrazine)"** at **Internationational**

Seminar on **"Recent Advances in Textile and Electrochemical Sciences"** (**RATES 2013**), March 21-23, 2013 organized by Department of Industrial Chemistry, **Alagappa University**, Karaikudi.

12. **D. Ilangeswaran** and A. Arulraj presented a paper on **"Harmful Effects of Common Chemicals Found in Junk Foods and Cosmetics"** at **International Conference** on **"Health Economics and Mangement"** on 9th January, 2015 organized by **PG & Research Department of Economics, Rajah Serfoji Govt. College** (Autonomous), Thanjavur – 613005.

13. **D. Ilangeswaran,** K. Sarjuna and P. Manisankar presented a paper on **"Chemical Synthesis and Characterization of Poly(phenylhydrazine-*co*-1-naphthylamine)"** on March 6-7, 2015 at **National Seminar** on **"Frontier Areas in Chemical Technologies – 2015, FACTs – 2015"** organized by Department of Industrial Chemistry, School of Chemical Sciences, **Alagappa University,** Karaikudi.

14. **D. Ilangeswaran** and P.G. Ramesh presented a paper on **"Green Synthesis of 5,6-Bis[(2,4-dinitrophenyl)hydrazinylidene]-1,2,3,4-hexanetetrol using Glucose – Urea as Deep Eutectic Solvent"** on March 21-23, 2016 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2016, FACTs – 2016"** organized by Departments of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, **Alagappa University,** Karaikudi.

15. **D. Ilangeswaran** and I. Gnanasundaram presented a paper on **"Green Synthesis of Aryl substituted Urea using Glucose – Urea mixture as Deep Eutectic Solvent"** on March 21-23, 2016 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2016, FACTs – 2016"** organized by Departments of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, **Alagappa University,** Karaikudi.

16. **D. Ilangeswaran,** I. Gnanasundaram and K. Hemalatha presented a paper on **"Green Synthesis of 3-Methyl-2,6-diphenylpiperidin-4-one and its Hydrazine derivative Using a Deep Eutectic Solvent"** on October 21-22, 2016 at **National Seminar** on **"New Trends in Chemistry (NTC-2016)"** organized by Department of Chemistry, **Annamalai University,** Annamalainagar.

17. **D. Ilangeswaran** and P.G. Ramesh presented a paper on **"Green Synthesis of 3-Methyl-2,6-diphenylpiperidin-4-one and its Oxime Using a Newer Deep Eutectic Solvent of Glucose-$MnCl_2.4H_2O$"** on October 21-22, 2016 at **National Seminar** on **"New Trends in Chemistry (NTC-2016)"** organized by Department of Chemistry, **Annamalai University,** Annamalainagar.

18. **D. Ilangeswaran** and I. Gnanasundaram presented a paper on **"Green Synthesis of 4,4'-{[5-(hydroxymethyl)furan-2yl]methanediyl}dinaphthalen-1-ol) using a Deep Eutectic Solvent of Glucose, Urea & NH_4Cl Mixture"** on January 20-21, 2017 at **National Seminar** on **"Recent Advances in Chemical and Environmental Research (RACE-2017)"** organized by Department of Chemistry, **Annamalai University,** Annamalainagar.

19. **D. Ilangeswaran** and R. Radhakrishnan presented a paper on **"Green Synthesis of 5,6-Bis(2-phenylhydrazinylidene)-1,2,3,4-hexanetetrol using Glucose – Thiourea as Deep Eutectic Solvent"** on January 20-21, 2017 at **National Seminar** on **"Recent Advances in Chemical and Environmental Research (RACE-2017)"** organized by Department of Chemistry, **Annamalai University,** Annamalainagar.

20. **D. Ilangeswaran** and K. Sarjuna presented a paper on **"Synthesis and Characterization of Newer Sugar Based Deep Eutectic Solvents"** on July 06-08, 2017 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2017, FACTs – 2017"** organized by Departments of Industrial Chemistry, **Alagappa University,** Karaikudi.

21. **D. Ilangeswaran** and K. Hemalatha presented a paper on **"Green Synthesis of Some Piperidin-4-one Derivatives Using Sugar Based Deep Eutectic Solvent"** on July 06-08, 2017 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2017, FACTs – 2017"** organized by Departments of Industrial Chemistry, **Alagappa University,** Karaikudi.

22. **D. Ilangeswaran,** P. Sukanya, R. Periyanaki, R. Ranjitha and P.G. Ramesh presented a paper on **"Development of Newer Ethylene Glycol Based Deep Eutectic Solvents and Their Applications for the Synthesis of Some Piperidin-4-one Derivatives"** on July 06-08, 2017 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2017, FACTs – 2017"** organized by Departments of Industrial Chemistry, **Alagappa University,** Karaikudi.

23. **D. Ilangeswaran,** R. Suganya, G. Vaitheshwari, K. Ramasundaram and I. Gnanasundaram presented a paper on **"Investigation on the Development of Newer Glycerol Based Deep Eutectic Solvents and Their Applications for the Synthesis of Some Piperidin-4-one Compounds"** on July 06-08, 2017 at **International Conference** on **"Frontier Areas in Chemical Technologies – 2017, FACTs – 2017"** organized by Departments of Industrial Chemistry, **Alagappa University,** Karaikudi.

24. **D. Ilangeswaran** participated in **UGC** Sponsored **National Seminar** on **"Current Trends in Application Oriented Chemistry"**, 26th October 2017 organized by **Rajah Serfoji Govt. College (Autonomous),** Thanjavur.

25. **D. Ilangeswaran** and K. Sarjuna presented a paper on **"Synthesis and Characterization of Newly Developed Mn^{2+} and Zn^{2+} Based Deep Eutectic Solvents"** on February 2-3, 2018 at **International Conference** on **"Recent Trends in Synthetic Methods and Material Chemistry (RTSMC - 2018)"** organized by Department of Chemistry, **Annamalai University,** Annamalainagar.

26. **D. Ilangeswaran** and R. Balaji presented a paper on "**Green Synthesis of Copper / Copper Oxide, Manganese / Manganese Oxide and Zirconium / Zirconium Oxide Nanoparticles Using EG – Ch. Cl Deep Eutectic Solvent"** on February 24-25, 2020 at **International Conference** on **"Frontiers in Chemical and Material Sciences (ICFCMS-2020)"** organized by Department of Chemistry, **Gandhigram Rural Institute**, Dindigul.

27. **D. Ilangeswaran** and P.G. Ramesh presented a paper on "**Thermal and Physical Properties of some L-Lysine based Ternary Deep Eutectic Solvents"** on February 24-25, 2020 at **International Conference** on **"Frontiers in Chemical and Material Sciences (ICFCMS-2020)"** organized by Department of Chemistry, **Gandhigram Rural Institute**, Dindigul.

28. **D. Ilangeswaran** and K. Hemalatha presented a paper on "**One pot synthesis of some 2,6-bis(2/4-hydroxyphenyl)piperidin-4-one derivatives using greener deep eutectic solvent media and their characterization"** on February 24-25, 2020 at **International Conference** on **"Frontiers in Chemical and Material Sciences (ICFCMS-2020)"** organized by Department of Chemistry, **Gandhigram Rural Institute**, Dindigul.

29. **D. Ilangeswaran** and A. Sivakumar presented a paper on "**Synthesis of Zinc / Zinc Sulfide Nanoparticles using MA-GC Deep eutectic solvent"** on February 24-25, 2020 at **International Conference** on **"Frontiers in Chemical and Material Sciences (ICFCMS-2020)"** organized by Department of Chemistry, **Gandhigram Rural Institute**, Dindigul.

30. **D. Ilangeswaran** and K. Sarjuna presented a paper on "**Malonic acid based Deep Eutectic Solvents- A better solvent media for the synthesis of nanoparticles"** on February 24-25, 2020 at **International Conference** on **"Frontiers in Chemical and Material Sciences (ICFCMS-2020)"** organized by Department of Chemistry, **Gandhigram Rural Institute**, Dindigul.

31. **D. Ilangeswaran** and K. Sarjuna presented a paper on **"Synthesis and characterization of silver oxide nanoparticles using newly formed malonic acid and zinc chloride based deep eutectic solvents"** on August 13-14, 2021, at **International Conference** on **"Innovative Research in Applied Engineering and Computing Methodologies" (ICIRAECK2K21)** organized by Department of Electronics and Communication Engineering, **Syed Ammal Engineering College**, Ramanathapuram, Tamilnadu.

32. D. Ilangeswaran and **K. Sarjuna** published an abstract on **"Synthesis of some metal/metal sulfide nanoparticles using a superior dissolvable media- Malonic acid (MA) based Deep Eutectic Solvents [DES], Abstracts of International Conferences & Meetings (AICM),** Received: 19 August 2021/ Accepted: 22 August 2021/ Published: 31 August 2021 DOI: https://doi.org/10.5281/zenodo.5371643

33. D. Ilangeswaran and **K. Sarjuna** published an abstract on **"Synthesis and Characterization of Silver Nanoparticles Using Zinc Chloride-Sugar-Amino Acids Based Novel Ternary Deep Eutectic Solvents"** Silver nanoparticles - Characterization. **SPAST Abstracts**, *1*(01). Retrieved from https://spast.org/techrep/article/view/193, https://orcid.org/0000-0003-1249-1436

34. D. Ilangeswaran and **K. Sarjuna** presented a paper on **"Copper oxide nanoparticles and their characterization: Synthesis using green solvents - ternary deep eutectic solvents"** on July 1-2, 2022 at **First International Conference on Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1)** online worldwide.

Workshops Attended

1. The **National** Workshop on "**Emerging Trends in Electrochemical Science and Technology**" held on 17th and 18th March 2006 at Raja College of Engineering and Technology, jointly organized by **ISTE** and **CECRI**, Karaikudi.

2. The **National** Workshop on "**Nanomaterials – Synthesis, Characterization and Applications**" held on 14th and 15th December 2006 at **Algappa University**, Karaikudi.

3. The **National** workshop on **"Green Process Techniques for Industrial Application"** held on March 20 – 21, 2009 at Department of Industrial Chemistry, **Alagappa University,** Karaikudi.

4. **UGC sponsored National** workshop on **"Chemistry – Our Environment, Our Life and Our Future"** on 22-23rd December 2011, organized by Department of Industrial Chemistry, School of Chemical Sciences, **Alagappa University,** Karaikudi.

5. **DST-FIST, DST-PURSE** and **UGC-SAP** sponsored **International** workshop on **"Frontier Arias in Chemical Technologies" (FACTs – 2014)** on 21-22nd February 2014, organized by Department of Industrial Chemistry, School of Chemical Sciences, **Alagappa University,** Karaikudi.

6. "**TRANSITION – 2015" –** Two days **Workshop for the College Chemistry Faculties** organized by **Department of Chemistry, Central University of Tamil Nadu** during 13th and 14th March 2015.

Special Lecture Given

1. A lecture was given on "**Recent Trends on Nano Chemistry**" at the inaugural session of ChemStar, the Association of the Department of Chemistry of **Bon Secours College for Women, Thanjavur** on 25th July 2011.

2. A lecture was given on "**Knowing Chemistry**" at the inaugural function of Chemistry Association at the Department of Chemistry & Bio-Chemistry, **T.B.M.L. College, Porayar** on 30th July 2014.

Workshop organized

An **U.G.C.** sponsored **Workshop** was organized on **"Manufacturing Techniques In House Cleaning and Refreshing Materials"** at **P.G. & Research Department of Chemistry**, **Rajah Serfoji Govt. College** (Autonomous), Thanjavur on 04.03.2014.