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Balaji Nagar CHENNAI 600 073



Present Position

Assistant Professor, Department of Chemistry, College of Engineering Guindy, Anna University, Chennai from March-2008.

Present Additional Responsibility

- Deputy Controller of Examination, Office of the Controller of Examinations, Anna University, Chennai from July-2015.

Previous Positions

- Lecturer, Department of Chemistry, College of Engineering Guindy, Anna University, Chennai during April-2002 and March-2008.

Previous Additional Responsibility

- , , Anna University, Chennai.

Other Employment

- TECHNICAL ASSISTANT (Selection Grade), DEPARTMENT OF CHEMISTRY CEG ,ANNA UNIVERSITY CHENNAI 600 025 for 13 Years (From 1988 to 2002).
- Quality controller, Sakthi Beverages LTD/ Hannis Aromatic LTD for 2 YEARS (From 1985 to 1987).

Degree

- ❖ M.Sc. in CHEMISTRY , PACHAIYAPPAS'COLLEGE , CHENNAI 600 030, UNIVERSITY OF MADRAS (1982 - 1984).
- ❖ B.Sc. in CHEMISTRY , PACHAIYAPPA'S GENTS COLLEGE ,KANCHEEPURAM.3, UNIVERSITY OF MADRAS (1980 - 1982).

Research Degree

- ❖ Ph.D. in Polymer Science from Faculty of SCIENCE AND HUMANITIES, College of Engineering, Guindy, Chennai 600 025, Anna University (1990 - 1995).
Title: "Synthesis, Characterization and Photocrosslinking Properties of Polymers Containing Pendant Chalcone Group".

Area of Specialisation

- Polymer Chemistry
- Polymer Science/Polymer Chemistry
- Photopolymers/ Photocrosslinkable polymers/Liquid Crystal Polymers
- Natural Fiber reinforced Composite / Adhesives
- Polymers for Solar Cell Applications

Membership in Professional Organization

- INDIAN SOCIETY OF TECHNICAL EDUCATION (ISTE)
- INDIAN SOCIETY OF ANALYTICAL SCIENTISTS (ISAI)
- SOCIETY OF POLYMER SCIENCE INDIA (SPS)

Research Guidance

Number of Ph.D Scholars Guided	: 10
Number of Ph.D Scholars Guiding	: 5
Number of M.E./ M.Tech. Projects Guided	: 12
Number of M.E./ M.Tech. Projects Guiding	: 2
Number of Ph.D Scholars Guided as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 52
Research Papers Published in National Journals	: 0

1. 5. Muniyappan Govindhan, Kathvarayan Subramanian, Vijayan Viswanathan and Devadasan Velmurugan, "Crystal structure of 2-(4-fluoro-3-methyl-phen-yl)-5-[[naphthalen-1-yl]-oxy]meth-yl)-1,3,4-oxa-diazole", Acta Cryst, pp. o229-o230

2. Kathavarayan Subramanian, Alamuri Venkata Rami Reddy, Vengaimuthu Krishnaswamy, "Photopolymers: synthesis and characterization of poly(4-cinnamoylphenyl methacrylate)", *Die Makromolekulare Chemie, Rapid Communications*, published by Wiley Online Library. Vol. 12, Issue 4, pp. 211-214 (1991).
3. A.V.Rami Reddy, K .Subramanian, V.Krishnasamy, J.Ravichandran, "Synthesis, characterization and properties of novel polymers containing pendant photocrosslinkable chalcone moiety", *European Polymer Journal*, published by Elsevier. Vol. 32, Issue 8, pp. 919-926 (1996).
4. D. Madheswari, K .Subramanian, A.V.Rami Reddy, "Synthesis and characterization of polymers with a photosensitive group", *European Polymer Journal*, published by Elsevier. Vol. 32, Issue 4, pp. 417-422 (1996).
5. A. V. Rami Reddy, K. Subramanian, A. V. Sessa Sainath, "Photosensitive polymers: Synthesis, characterization, and photocrosslinking properties of polymers with pendant α,β -unsaturated ketone moiety", *Journal of Applied Polymer Science*, published by Wiley Online Library. Vol. 70, Issue 11, pp. 2111-2120 (1998).
6. R. Balaji, N. Sivakumar, K. Subramanian, and S. Nanjundan, "SYNTHESIS AND CHARACTERIZATION OF COPOLYMERS OF 2-N-PHTHALIMIDO-2-METHYL PROPYL METHACRYLATE WITH METHYL METHACRYLATE AND DETERMINATION OF COPOLYMER REACTIVITY RATIOS", *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, published by Taylor & Francis. Vol. 36, Issue 10, pp. 1401-1414 (1999).
7. R. Balaji, K. Subramanian, S.Nanjundan, A. V. Rami Reddy, " Copolymers of 4-(4′-chlorocinnamoyl)phenyl methacrylate and methyl methacrylate: Synthesis, characterization and determination of reactivity ratios", *Journal of Applied Polymer Science*, published by Wiley Online Library. Vol. 78, Issue 7, pp. 1412-1418 (2000).
8. K Subramanian, V Krishnasamy, S Nanjundan, A V Rami Reddy, " Photopolymer: synthesis and characterization of poly(4-methacryloyloxyphenyl-4′-chlorostyryl ketone)", *Polymer International*, published by Wiley Online Library. Vol. 49, Issue 6, pp. 579-584 (2000).
9. K.Subramanian,S.Nanjundan, V.Krishnasamy and A.V.Rami Reddy, "Photopolymer: Synthesis and characterization of copolymers of poly (4-cinnamoyl phenyl methacrylate) with glycidymethacrylate", *J.M.S Pure anAppl.Chem*, published by Taylor & Francis. Vol. 10, pp. 1211-1225 (2000).
10. K. Subramanian, V. Krishnasamy, S. Nanjundan, A.V. Rami Reddy, " Photosensitive polymer: synthesis, characterization and properties of a polymer having pendant photocrosslinkable group", *European Polymer Journal*, published by Elsevier. Vol. 36, Issue 11, pp. 2343-2350 (2000).
11. K Subramanian, S Nanjundan, A.V Rami Reddy, "Synthesis and characterization of copolymers with a photosensitive group", *European Polymer Journal*, published by Elsevier. Vol. 37, Issue 4, pp. 691-698 (2001).
12. K.Subramanian, S.Nanjundan and A.V.Rami Reddy, "Photopolymer: Synthesis, Characterization and properties of Novel polymer having pendant chalcone Moiety", *European Polymer Journal*, published by Elsevier. Vol. 37, pp. 293-300 (2001).

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13. K.Subramanian, V.Krishnaswamy, S.Nanjundan and A.V.Rami Reddy, "Synthesis, Characterization and properties of polymer with photosensitive group", Journal Polymer Materials, published by -. Vol. 18, Issue 3, pp. 293-300 (2001).
 14. K.Subramanian and A.V.Rami Reddy, " Copolymers of 4(4'-nirtocinamoylphenyl Methacrylate) and GMA: Synthesis, Characterization and Determination of reactivity ratio", Journal of Applied Polymer Science, published by Wiley Online Library. Vol. 86, pp. 3264-3270 (2002).
 15. Muthusamy Tamilvanan, Arumugam Pandurangan, Boreddy SR Reddy, Kathavarayan Subramanian, " Synthesis, characterization and properties of photoresponsive polymers comprising photocrosslinkable pendant chalcone moieties", Polymer International, published by Wiley Online Library. Vol. 56, Issue 1, pp. 104-111 (2006).
 16. M. Tamilvanan, A. Pandurangan, K. Subramanian, B. S. R. Reddy, "Synthesis and characterization of mono- and di-methoxy substituted acrylate polymers containing photocrosslinkable pendant chalcone moiety ", Polymers for Advanced Technologies, published by Wiley Online Library. Vol. 19, Issue 9, pp. 1218-1225 (2008).
 17. A. Rajabhuvaneswari, A. Pandurangan, K. Subramanian, "Radical copolymerization of photocrosslinkable cinnamoylphenylmethacrylate and acrylamide", Journal of Polymer Research , published by Springer. Vol. 16, Issue 2, pp. 125-132 (2009).
 18. Govindasamy Kumar and Kathavarayan Subramanian, "Synthesis, Characterisations, reactivity ratio and photo crosslinking properties of the copolymer of 4-Cinnamoyl phenyl methacrylate with Butyl methacrylate ", International Journal of Polymeric Materials and Polymeric Biomaterials, published by Taylor & Francis. Vol. 59, Issue 8, pp. 519-530 (2010).
 19. R Atchudan, A Pandurangan, K Subramanian, "Effect of reaction parameters on the growth of MWCNTs using mesoporous Sb/MCM-41 by chemical vapour deposition", Applied Surface Science, published by Elsevier. Vol. 258, Issue 3, pp. 1045-1051 (2011).
 20. R. Baskar, K. Subramanian, "Synthesis, characterization and fluorescence studies of novel bi-phenyl based acrylate and methacrylate ", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy , published by Elsevier. Vol. 79, Issue 5, pp. 1992-1997 (2011).
 21. Govindasamy Kumar, Narayanan Nisha, Somu Mageswari, Kathavarayan Subramanian, "Synthesis, Characterisation of Poly(4-benzyloxyphenyl methacrylate) and its copolymer with butylmethacrylate and determination of monomer reactivity ratios ", Journal of Polymer Research , published by Springer. Vol. 18, Issue 2, pp. 241-250 (2011).
 22. Somu Mageswari, Kathavarayan Subramanian, "Synthesis, Characterization and Study of Antibacterial Activity of Methacrylic Copolymer", Polymer-Plastics Technology and Engineering, published by Taylor & Francis. Vol. 51, Issue 13, pp. 1296-1302 (2012).
 23. Sivakumar Jeyasheela and Kathavarayan Subramanian, "Synthesis, Characterization, and Properties of Thermotropic Novel Liquid Crystal Photosensitive Polymers Containing Mesogen and Photocrosslinkable Group", Molecular crystals and Liquid Crystals, published by Taylor & Francis. Vol. 562, Issue 1, pp. 10-27 (2012).
 24. "Synthesis, Characterization, and Properties of Thermotropic Novel Liquid Crystalline Photosensitive Polymer", Molecular Crystals and Liquid Crystals , published by Taylor & Francis. Vol. 557, pp. 161-175 (2012).
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25. G. Kumar, K. Subramanian, "Synthesis, Characterizations, and Liquid Crystalline Property of Photoresponsive Poly (2-[4-Methoxy Benzoyl Styryloxy] Ethyl Methacrylate)", *Molecular crystals and Liquid Crystals*, published by Taylor & Francis. Vol. 552, Issue 1, pp. 158-173 (2012).
 26. S. Mageswari, K.Subramanian, "Synthesis, characterization, and study of antibacterial activity of homopolymers and copolymers of 4-benzyloxyphenylacrylates for pressure-sensitive adhesive application", *Journal of Applied Polymer Science*, published by Wiley Online Library. Vol. 125, Issue 4, pp. 3115-3124 (2012).
 27. Sivakumar Jeyasheela and Kathavarayan Subramanian, "Synthesis, Characterization, and Properties of Thermotropic Novel Liquid Crystalline Photosensitive Polymer", *Molecular crystals and Liquid Crystals*, published by Taylor & Francis. Vol. 557, Issue 1, pp. 161-175 (2012).
 28. R. Atchudan, A. Pandurangan, K. Subramanian, "Synthesis of MWCNTs by the decomposition of acetylene over mesoporous Ni/Cr-MCM-41 catalyst and its functionalization", *Journal of Porous Materials*, published by Springer. Vol. 19, Issue 5, pp. 797-805 (2012).
 29. S. Mageswari, N. Nisha, S. JohnSanthoshKumar and Kathavarayan Subramanian, "Synthesis, Characterisation of Poly(4-benzyloxyphenyl methacrylate) and its copolymer with acrylonitrile and determination of monomer reactivity ratios", *International Journal of Current Research*, published by IJCR. Vol. 4, Issue 1, pp. 160-166 (2012).
 30. Sivakumar Jeyasheela and Kathavarayan Subramanian, "Synthesis and Characterization of Novel Liquid Crystalline photoactive Polymers with Pendant Chalcone Moiety", *Molecular crystals and Liquid Crystals*, published by Taylor & Francis. Vol. 552, Issue 1, pp. 53-70 (2012).
 31. R. Baskar, M. Gopiraman, D. Kesavan ick soo kim and K. Subramanian, "Synthesis, Characterization, and Electrochemical Studies of Novel Biphenyl Based Compounds", *Ind. Eng. Chem. Res*, published by ACS. Vol. 51, Issue 10, pp. 3966-3974 (2012).
 32. R. Baskar, C. Baby, M.S. Moni, K. Subramanian, "Synthesis, characterization and dynamic NMR studies of a novel chalcone based N-substituted morpholine derivative", *Journal of Molecular Structure*, published by Elsevier. Vol. 1040, pp. 90-97 (2013).
 33. S. John Santhosh Kumar, Dr. K. Subramanian, " Synthesis, Characterization, Antimicrobial Activity, and Adhesive Property of Amino Benzyl Group Substituted Acrylic/Methacrylic Polymers and Their Copolymers", *International Journal of Polymeric Materials and Polymeric Biomaterials*, published by Taylor & Francis. Vol. 62, Issue 12, pp. 627-634 (2013).
 34. Ramaganthan Baskar, Devarayan Kesavan, Mayakrishnan Gopiraman and Kathavarayan Subramanian, "Synthesis of novel photosensitive polymers for the protection of mild steel from acid corrosion", *RSC Advances*, published by RSC. Vol. 3, pp. 17039-17047 (2013).
 35. S. M. Suresh Kumar, K. Subramanian, "Studies on mechanical, thermal and dynamic mechanical properties of untreated (raw) and treated coconut sheath fiber reinforced epoxy composites", *Materials & Design*, published by Elsevier. (2014).

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36. R. Baskar, M. Gopiraman, D. Kesavan ick soo kim, K. Subramanian, "Corrosion inhibition of mild steel in 1.0 M hydrochloric acid medium by new photocrosslinkable polymers", *Progress in Organic Coatings*, published by Elsevier. (2014).
 37. Mani Boopathy, Kathavarayan Subramanian, "Preparation of Polycyclic Pendant Chalcone Moiety BasedAntimicrobial Polyacrylamides", *Advances in Polymer Technology*, published by Wiley. (2015).
 38. Muniyappan Govindhan, Kathvarayan Subramanian, Vijayan Viswanathan and Devadasan Velmurugan, "Crystal structure of 2-[(naphthalen-1-yl)- oxy]methyl]-5-(2,4,5-trifluorophenyl)-1,3,4-oxadiazole", *Acta Cryst*, (2015).
 39. S. JOHN SANTHOSH KUMAR, S. MAGESWARI, M. NITHYA, K. SUBRAMANIAN, "CinchonidinyI-Based Acrylic and MethacrylicHomopolymers: Synthesis, Characterization, andAntibacterial Activity", *Advances in Polymer Technology*, published by Wiley. (2015).
 40. 3. M.Govindhan, K.Subramanian, S. Sridharan, K. Chennakesava Rao, K. Easwaramoorthi, "Synthesis, Biological Evaluation of novel Coumarin-Piperazine Derivatives", *International Journal Of Chemtech Research*, Vol. 8, pp. 1897-1904 (2015).
 41. 2. M.Govindhan, K.Subramanian, K. Chennakesava Rao, K. Easwaramoorthi, P.Senthilkumar, P.T. Perumal, "Synthesis of novel 4-hydroxycoumarin derivatives: evaluation of antimicrobial, antioxidant activities and its molecular docking studies", *Medicinal Chemistry Research*, Vol. 24, pp. 4181-4190 (2015).
 42. 1. M. Govindhan, K. Subramanian, K. Chennakesava Rao, K. Easwaramoorthi, P.Senthilkumar, P.T. Perumal, "Synthesis of novel 4-hydroxycarbazole derivatives and evaluation of their in vitro anti-inflammatory, antioxidant activities and molecular docking", *Research on Chemical Intermediates*, (2016).
 43. R.Selvam; K. Subramanian, " Synthesis of Polyacrylate-Based Chalcone Containing Different Donor Moieties and Studies on their Optical, Electrochemical, and Thermal Properties", *Advances in Polymer Technology*, published by Wiley. pp. - (2016).
 44. R. Selvam; G. Prakash; K. Subramanian, " Tunable anchoring groups@acridone-linked triphenylamine based pendant chromophores and their effects on the photovoltaic performance as sensitizers for dye-sensitized solar cells", *RSC Advances*, published by RSC. Vol. 6, Issue 110, pp. 109054-109060 (2016).
 45. S.M.SURESH KUMAR; K. Subramanian, " Enhancement in Mechanical, Thermal, and Dielectric Properties of Functionalized Graphene Oxide Reinforced Epoxy Composites", *Advances in Polymer Technology*, published by Wiley. pp. - (2016).
 46. Mani Boopathy, Ramasamy Selvam, Samuel Johnsanthoshkumar, Kathavarayan Subramanian, "Synthesis and evaluation of polyacrylamides derived from polycyclic pendant naphthalene, indole and phenothiazine based chalcone moiety as potent antimicrobial agents", *Polymers for Advanced Technologies*, published by Wiley. (2016).
 47. Boopathy Mani, Subramanian Kathavarayan, " Studies on photocrosslinking and flame-retardant properties of chalcone-based polyacrylamides", *Polymers for Advanced Technologies*, published by Wiley. Vol. 27, pp. 466-476 (2016).

48. Selvam Ramasamy, Mani Boopathy, Samuel Johnsanthoshkumar, Kathavarayan Subramanian*, "Structural engineering of poly-(methacrylate) bearing push-pull type pendants oxindole-phenothiazine with tetrazole anchoring acceptor for efficient organic photovoltaic cells", Polymer, published by Elsevier. Vol. 115, pp. 128-136 (2017).
49. R.Selvam; K. Subramanian, "Benzimidazole-indole-chalcone connected methacrylate-based side chain D- π -A polymer and its application in organic photovoltaics", Journal of Polymer Science Part A: Polymer Chemistry, published by Wiley. Vol. 55, Issue 6, pp. 997-1007 (2017).
50. Ramasamy Selvam, Gopi Prakash, Raju Sathiyamoorthi, Kathavarayan Subramanian*, "Comparative analysis of fluorene and carbazole fused triphenylamine sensitizer donor units with new anchoring mode in dye-sensitized solar cells", Reactive and Functional Polymers, published by Elsevier. Vol. 122, pp. 123-130 (2018).
51. Gopi Prakash, Mani Boopathy, Ramasamy Selvam, Samuel Johnsanthosh Kumar and Kathavarayan Subramanian *, "The effect of anthracene-based chalcone derivatives in the resazurin dye reduction assay mechanisms for the investigation of Gram-positive and Gram-negative bacterial and fungal infection", New Journal of Chemistry, published by RSC. Vol. 42, pp. 1037-1045 (2018).
52. "Interaction of pyridine π -bridge-based poly(methacrylate) dyes for the influence of different strength phenothiazine, fluorene and anthracene sensitizers as donor units with new anchoring mode", New Journal of Chemistry, published by Royal Society of Chemistry. Vol. 42, pp. 17939-17949 (2018).

Papers Presented in Programmes

Research Papers Presented in International Programmes	: 14
Research Papers Presented in National Programmes	: 17

1. "Synthesis and Characterisation of photosensitive copolymers of p-cinnamoyl phenyl methacrylate with MMA" presented in a International level conference on International symposium on Macromolecules, organised by Vikram Sarabhai space center, Trivandrum, India from 11-Jan-1995 to 13-Jan-1995.
2. "Polymerization of vinyl monomers by semiconductor photocatalysis" presented in a National level workshop on workshop on industrial wastewater treatment by semiconductor photocatalysis, organised by Department of Chemistry, Anna University, India from 22-Mar-1995 to 24-Mar-1995.
3. "Synthesis and Characterisation of copolymers of 2-N-phthalimido-2-methyl methacrylate and Determination of Copolymers Reactivity ratios" presented in a National level conference on National seminar on polymers for the new Millennium, organised by University of Madras, India from 25-Mar-1999 to 26-Mar-1999.
4. "Synthesis and Characterisation of Photocrosslinking properties of polymer containing Pendant chalcone moiety" presented in a National level seminar on National seminar on Advances in plastics and rubber materials and processing, organised by MIT, Anna University, Chennai-44, India from 07-Jan-2000 to 08-Jan-2000.

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5. "Synthesis and Characterisation of polymers with pendant photosensitive group" presented in a National level seminar on National seminar on Advances in plastics and rubber materials and processing, organised by MIT, Anna University, Chennai-44, India from 07-Jan-2000 to 08-Jan-2000.
 6. "Synthesis and Characterisation of copolymers with a photosensitive group" presented in a National level conference on MACRO-2000, organised by National Symposium on polymers and composites Defence Materials and Stores Research & Development Establishment.DMSRDE, Kanpur, India from 01-Dec-2000 to 02-Dec-2000.
 7. "Synthesis and Characterisation of Photocrosslinkable Functional Polymers" presented in a National level conference on MACRO-2000, organised by National Symposium on polymers and composites Defence Materials and Stores Research & Development Establishment.DMSRDE, Kanpur, India from 01-Dec-2000 to 02-Dec-2000.
 8. "Synthesis and Characterisation of Metal containing Polyuretanes" presented in a National level conference on MACRO-2000, organised by National Symposium on polymers and composites Defence Materials and Stores Research & Development Establishment.DMSRDE, Kanpur, India from 01-Dec-2000 to 02-Dec-2000.
 9. "Photosensitive polymers: Synthesis and Characterisation of copolymers of poly[4-(3-nitrocinnamoyl) phenyl methacrylate]" presented in a National level conference on National symposium on Metalloid Organic Chelates and Recent Advances in Chemistry(NSMCRAC), organised by Presidency College, Chennai-600 005, India from 09-Feb-2001 to 10-Feb-2001.
 10. "Studies on copolymers of 2, 4-dichloride phenyl methacrylate and methyl methacrylate" presented in a National level conference on NSMCRAC, organised by Presidency College, Chennai-600 005, India from 09-Feb-2001 to 10-Feb-2001.
 11. "Photocurable poly (3-methacryloxy styryl-2-naphthyl ketone) for coating application" presented in a International level conference on International conference on Surface Science and Engineering (INSURE-2000), organised by ISAS and Department of analytical Chemistry, Park Sheraton Hotel, Chennai, India from 21-Feb-2001 to 23-Feb-2001.
 12. "Photocurable poly(3-methacryloxy styryl-2-phenyl-4'-nitrostyryl ketone) " presented in a International level conference on International conference on Surface Science and Engineering (INSURE-2000), organised by) ISAS and Department of analytical Chemistry, Park Sheraton Hotel, Chennai, India from 21-Feb-2001 to 23-Feb-2001.
 13. "Synthesis and Characterisation of Photosensitive copolymers of 4-acryloxy phenyl-4'-nitrostyryl ketone and glycidyl methacrylate" presented in a National level conference on National conference on materials for new millennium(MATCON-2001), organised by Cochin university of Science and Technology(CUSAT),Kochi-22, India from 03-Mar-2001.
 14. "Photocrosslinkable Polymer: Synthesis and Characterisation of Poly[4-(3'-chlorocinnamyl) phenyl methacrylate]" presented in a National level conference on National conference on materials for new millennium(MATCON-2001), organised by university of Science and Technology(CUSAT),Kochi-22, India from 03-Mar-2001.

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15. G. Kumar, N. Nisha and Dr. K. Subramanian, "Synthesis and Characterization of homo polymer of 4-BOPMA" presented in a National level conference on Recent Trends in Polymer Science and Technology (NCRTPS-2008), organised by PSG college of Technology, Coimbatore, India from 21-Oct-2008 to 23-Oct-2008.
 16. "Synthesis and Characterisation of (4-BPOM) and its homopolymer" presented in a National level conference on NCRTPS-2008, organised by PSG College of Technology, Coimbatore, India from 21-Oct-2008 to 22-Oct-2008.
 17. G. Kumar and K. Subramanian, "Synthesis and Characterisation of Poly(4-BOPMA) and its Copolymers" presented in a International level conference on National Conference on Recent Advances in Polymeric materials (MACRO-2009), organised by IIT Madras, India from 09-Mar-2009 to 11-Mar-2009.
 18. G. Kumar and K. Subramanian, "Synthesis and Characterisation of Poly(BOPM) and its Copolymers" presented in a International level conference on International Conference on Polymer Science and Technology: A Vision and Scenario (Asian Polymer Association-2009), organised by IIT Delhi, India from 17-Dec-2009 to 20-Dec-2009.
 19. S. Mageswari , S. John Santhosh Kumar, *K. Subramanian, "Synthesis and Characterization of homo and copolymer of 4-benzyloxyphenylacrylates for pressure sensitive adhesive applications" presented in a International level conference on MACRO 2010, organised by IIT Delhi, India from 15-Dec-2010 to 17-Dec-2010.
 20. "Studies on Acrylic monomers for their Antibacterial activity" presented in a National level conference on National Conference on Material Chemistry-2011 , organised by Guru Nanak College, Chennai, India from 09-Feb-2011 to 11-Feb-2011.
 21. S. Mageswari , *K. Subramanian, "Synthesis, Characterisation and study on antibacterial activity of Nitrosonaphthyl Acrylate and Methacrylate Homopolymers" presented in a National level conference on CCC2011, organised by IIT Madras, India from 11-Feb-2011 to 13-Feb-2011.
 22. "Synthesis, Chacterisation and Properties of novel liquid crystalline photoactive polymer" presented in a National level conference on Chennai Chemistry Conference 2011, organised by IIT Madras, India from 11-Feb-2011 to 13-Feb-2011.
 23. "Synthesis, Characterisation and study of antimicrobial activity of homo and copolymer of 4-Benzyloxyphenylmethacrylates" presented in a International level conference on ICAMA 2011, organised by Kalasalingam University, Krishnan Koil, INDIA from 04-Mar-2011 to 05-Mar-2011.
 24. "Homopolymer Of 2-Amino Benzyl acrylate And Its Copolymer with Ethoxylated Bis Phenol-A Dimethacrylate: Synthesis, Characterisation and Its Application as Adhesives" presented in a International level conference on ICAMA-2011, organised by Kalasalingam University, India from 04-Mar-2011 to 05-Mar-2011.
 25. "Synthesis, Characterization and photo-cross-linking property of poly ([4-fluorostyryl oxy phenoxy]-4'-hexyloxy methacrylate) and its copolymers" presented in a International level conference on ICAMA-2011, organised by Kalasalingam University, Krishnan Koil, India from 04-Mar-2011 to 05-Mar-2011.

26. G. Kumar, E. Vijaya Kumar, E. Baskar and Dr. K. Subramanian, "Synthesis, Characterisation and Photo-Cross-linking Property of Poly ([4-Fluorostyryl Oxy Phenoxy]-4-Butyloxy Methacrylate) and its Copolymers " presented in a International level conference on International Conference on Advancements in Polymeric Materials (APM-2011), organised by CIPET CHENNAI, India from 24-Mar-2011 to 27-Mar-2009.
27. "Synthesis and Chacterisation of novel liquid crystalline photoactive polymer containing chalcone moiety" presented in a International level conference on APM 2011, organised by CIPET, CHENNAI, India from 24-Mar-2011 to 25-Mar-2011.
28. K.Subramanian, S.Nunjundan, "Synthesis, Characterisation and study on antibacterial activity of modified GMA - Nitrosonaphthyl acrylate and methacrylate Copolymers" presented in a International level conference on APM2011, organised by CIPET CHENNAI, INDIA from 25-Mar-2011 to 27-Mar-2011.
29. "Homopolymer Of 2-Amino Benzyl Methacrylate And Its Copolymer With Ethoxylated Bis Phenol-A Dimethacrylate: Synthesis, Characterisation And Its Application As Adhesives" presented in a International level conference on APM-2011, organised by CIPET,Chennai, India from 25-Mar-2011 to 27-Mar-2011.
30. G. Kumar and K. Subramanian, "Studies on Photo-Cross-Linkable Polymers Containing Pendant Chalcone Moiety Exhibiting Liquid Crystalline and Fluorescence life time Properties" presented in a International level conference on Recent Trends in Polymer Materials (RTPM-2011), organised by CLRI, Chennai, India from 12-Oct-2011 to 12-Oct-2011.
31. "Effect of biphenyl based liquid crystalline photoactive polymers" presented in a National level conference on NCRAAS 2012, India from 10-Feb-2012 to 11-Feb-2012.

Sponsored Projects Completed

1. "Synthesis, formulation, characterization of Acrylic and Methacrylic polymers for water resistant and oil resistant adhesive coating in industrial appl" (February-2010 - February-2013). Project Cost: 11.00.
2. "Studies on newer acrylic and methacrylic homo and copolymers for adhesive coatings and antimicrobial activity" (February-2010 - July-2013). Project Cost: 8.00.
3. "Development of Epoxy resin from soybean oil and fabrication of Epoxy glass paper composites" (February-2004 - January-2008). Project Cost: 19.01.
4. "Studies on new crosslinked Polybenzoxzyene BMI Glass fibres composites at cost " (May-2009 - May-2012). Project Cost: 17.71.

Programme Chaired

1. Chairman, International level conference.

Programme Organized

1. Co-Ordinator, National level Short Course on "Boiler Feed Water Treatment" from 06-Aug-2003 to 08-Aug-2003.
2. Co-Ordinator, National level Short Course on "Water Chemistry Related Problems in industrial Boiler and Thermal Stations (TANGEDCO ENGINEERS/CHEMISTS)" from 21-Oct-2003 to 23-Oct-2003.
3. Co-Ordinator, National level workshop on "Polymer Technology Training Course (PTTC-2010)" from 23-Mar-2010 to 27-Mar-2010.
4. Co-Ordinator, National level Short Course on "Faculty Development Training Programme on CY2111-Engineering Chemistry-I" from 28-Jun-2010 to 05-Jul-2010.
5. Co-Ordinator, National level Short Course on "Faculty Development Training Programme on CY2111-Engineering Chemistry-I" from 14-Jun-2011 to 21-Jun-2011.
6. Co-Ordinator, National level Short Course on "Water Chemistry Related Problems in Thermal Stations " from 23-Jan-2012 to 25-Jan-2012.

Programme Attended

1. Attended a National level Short Course on "Applications of Radioisotopes and Radiator Technology for societal development (ARRTS-2004)" organized by Anna University, India from 13-Jul-2004 to 14-Jul-2004.
2. Attended a National level seminar on "Recent Trends in Polymers" organized by Department of Chemistry, Anna University, Guindy, Chennai, India from 01-Feb-2007 to 02-Feb-2007.
3. Attended a National level Short Course on "TEQUIP-ACT sponsored Awareness program on Nanoscience and Technology and Crystal Growth Centre" organized by Anna University, India from 19-Sep-2007 to 20-Sep-2007.
4. Participated in a National level workshop on "High Performance Polymers" organized by Department of Chemistry, Anna University, Guindy, Chennai-25, India from 26-Sep-2007.
5. Attended a National level seminar on "Recent Research Trends in Advanced Ceramics" organized by Science and Humanities, Institute of Technology Campus, Anna University, Chennai-44, India from 27-Sep-2007 to 28-Sep-2007.
6. Attended a National level seminar on "Seminar on energy materials and system" organized by Crystal Growth Centre, Anna University, Chennai-25, India from 10-Jan-2008 to 11-Jan-2008.
7. Attended a National level Short Course on "Faculty Development and Training Programme on Radiological Equipment " organized by Department of ECE, CEG Campus, Anna University, Chennai-25., India from 24-Nov-2008 to 30-Nov-2008.
8. Participated in a International level workshop on "INDO-US workshop on Visible and Ultraviolet sources for solid state Lighting and Water Purification" organized by Crystal Growth Centre, Anna University, Chennai-25, India from 05-Jan-2009 to 07-Jan-2009.

9. Participated in a National level conference on "Novel Polymeric materials " organized by Department of Chemistry, Stella Maris College, India from 20-Jan-2009 to 21-Jan-2009.
10. Participated in a International level workshop on "International workshop on Advances in Nanoscience and Technology" organized by Anna University, India from 28-Oct-2009 to 30-Oct-2009.
11. Participated in a National level conference on "National Symposia on Geological Processes, Mineral and Fossil fuel Exploration & Environmental Geology" organized by Department of Geology, Anna University, India from 26-Nov-2009 to 28-Nov-2009.
12. Attended a National level Short Course on "Faculty Development Training Programme on Environmental Science and Engineering" organized by Madras INstitute of Technology, India from 14-Dec-2009 to 20-Dec-2009.
13. Participated in a National level workshop on "ETV/e-content production" organized by Educational Multimedia Research Centre, Anna University, India from 29-Jan-2010 to 30-Jan-2010.
14. Participated in a International level conference on ""Advanced Materials and its Applications (ICAMA 2011)"" organized by Kalasalingam University, India from 04-Mar-2011 to 05-Mar-2011.
15. Participated in a National level workshop on "Advances Engineering Materials and Composites and its characterization" organized by Anna University, India from 27-Mar-2012 to 28-Mar-2012.
16. Attended a National level Short Course on "Composite Materials" organized by MIT, India from 16-May-2012 to 23-May-2012.
17. Participated in a International level conference on "INDO-Australian conference on biomaterials, tissue engineering, drug delivery system & regenerative medicine (BiTERM-2016)" organized by Anna University, India from 05-Feb-2015 to 07-Feb-2015.
18. Participated in a National level workshop on "Advanced Characterisation techniques of Materials" organized by Department of Mechanical Engineering, CEG, Anna University, India from 23-Feb-2015 to 24-Feb-2015.
19. Participated in a National level conference on "National Institute of Technical Teachers training & research" organized by Government of India Ministry of Human Resource Development, Chennai, India from 21-Sep-2016 to 23-Sep-2016.
20. Attended a National level Short Course on "Student Evaluation and Question paper setting" organized by CEG, Anna University, India from 21-Sep-2016 to 23-Sep-2016.
21. Participated in a National level conference on "National Institute of Technical Teachers training & research" organized by Government of India Ministry of Human Resource Development, Chennai, India from 11-Dec-2017 to 22-Dec-2017.
22. Participated in a National level conference on "Refresher Course" organized by Anna University, Chennai-25, India from 01-Feb-2018 to 21-Feb-2018.

23. Participated in a National level conference on "Certificate of Merit" organized by College of Engineering , Guindy, Anna University, Chennai, India from 18-Mar-2018.
24. Participated in a National level conference on "Induction Program for Students" organized by Anna University, Chennai, India from 18-Jun-2018 to 29-Jun-2018.

Experience Abroad

1. Visited ERITREA INSTITUTE OF TECHNOLOGY, Eritrea ,North East Africa from 01-Jan-2005 to 16-Jan-2007. Purpose of visit :ASSISTANT PROFESSOR / HEAD (Chemistry Dept).

Invited Lectures

1. Delivered a Lecture on "Recent Trends in Polymer Adhesives" in Faculty Development Training Programme organized by University of Madras, Guindy Campus (01-Mar-2013).