

Curriculum Vitae

Dr. K. Balaji
Assistant Professor (Selection Grade)

Department of Chemistry
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Research Metrics:

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<https://publons.com/researcher/2735712/krishnasamy-balaji/>

EDUCATIONAL QUALIFICATIONS

Post Doctoral Research

Title of work : Fire Retardant Polymers from Renewable Resources
University : College of Materials, Xiamen University, China
Year : February 2019 – February 2020 (Sabbatical)
Supervisor : Dr. Lizong Dai, Director of Key Laboratory for Fire Retardant Materials,
Xiamen University, China.

Ph.D. in Chemistry

Title of work : Synthesis and characterization of photosensitive liquid crystalline polybenzylidene
esters and ethers containing alkanones and methylene spacers in the main chain
Specialization : Photopolymers & Liquid crystalline polymers
University : Anna University, Chennai
Year : April 2008 - January 2013
Supervisor : Dr. S.C. Murugavel, Professor & Head
Department of Applied Sciences, PSG College of Technology, Coimbatore, India.

Master of Science (Chemistry)

University : Bharathiar University, Coimbatore
Year : 2003 - 2005

PATENT FILED

Title of the invention : *Process for the production of novel latent self-curable epoxy resins*
Application No. : 202141000869 / Indian Patent
Field of invention : Polymer Technology
Name of the inventors : Arumugam Hariharan, **Krishnasamy Balaji**, Muthukaruppan Alagar
Application status : **Published** (Reply to FER filed/Under Examination)
Date of filing : 08/01/2021

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. Jing Hong, Tong Wu, Haiyang Wu, Birong Zeng, Shanni Zeng, Ting Chen, Xiu Wang, Zhenwu Lu, Conghui Yuan, **Krishnasamy Balaji**, Denise F.S.Petri, Lizong Dai. Nanohybrid silver nanoparticles@halloysite nanotubes coated with polyphosphazene for effectively enhancing the fire safety of epoxy resin. **Chemical Engineering Journal**, **2021**, 407:127087. **(Impact Factor – 13.27)**
2. Ting Chen, Xiu Wang, Chaohua Peng, Guorong Chen, Conghui Yuan, Yiting Xu, Birong Zeng, Weiang Luo, **Krishnasamy Balaji**, Denise F. S. Petri, Lizong Dai. Efficient Flame Retardancy, Smoke Suppression, and Mechanical Enhancement of β -FeOOH@ Metallo-Supramolecular Polymer Core–Shell Nanorod Modified Epoxy Resin. **Macromolecular Materials and Engineering**, **2020**, 305: No.10, 2000137. **(Impact Factor – 4.36)**
3. **Krishnasamy Balaji**, P. Shanmugaraj Balakrishnan, Salem Chandrasekaran Murugavel, Lizong Dai, Denise F. S. Petri. Investigation on Dual Functional Epoxy Resins Containing Photosensitive Group in the Main Chain for photoresist applications. **International Journal of Polymer Analysis and Characterization**, **2020**, 25: No.4, 198-215. **(Impact Factor – 2.58)**
4. Prabunathan Pichaimani, Hariharan Arumugam, Dineshkumar Gopalakrishnan, **Balaji Krishnasamy**, Alagar Muthukaruppan. Partially Exfoliated α -ZrP Reinforced Unsaturated Polyester Nanocomposites by Simultaneous Co-polymerization and Brønsted Acid–Base Strategy. **Journal of Inorganic and Organometallic Polymers and Materials**, **2020**, 30, 4095-4105. **(Impact Factor – 3.54)**
5. Laíse M. Furtado, Karina C.P. Hilamatu, **Krishnasamy Balaji**, Rômulo A. Ando, Denise F.S. Petri. Miscibility and sustained release of drug from cellulose acetate butyrate/caffeine films. **Journal of Drug Delivery Science and Technology**, **2020**, 55, 101472. **(Impact Factor – 3.98)**
6. Athianna Muthusamy, **Krishnasamy Balaji**, Salem Chandrasekaran Murugavel, Conghui Yuan, Lizong Dai. Synthesis and Characterization of Liquid Crystalline Polyesters Containing α,β -unsaturated Ketone Moiety in the Main Chain Derived from 2,6-bis(4-hydroxybenzylidene) cyclohexanone. **Polymer Science, Series B**, **2020**, 62: No.3, 245-255. **(Impact Factor – 1.04)**
7. Ying Liu, Jiming Chen, Yongxin Qi, Sheng Gao, **Krishnasamy Balaji**, Yaoheng Zhang, Qingbin Xue, Zaijun Lu. Cross-linked liquid crystalline polybenzoxazines bearing cholesterol-based mesogen side groups, **Polymer**, **2018**, 145: 252-260. **(Impact Factor – 4.43)**
8. G. Latha, M. Natarajan, **K. Balaji** and S. C. Murugavel. Synthesis, spectral and thermal characterization of polyester derived from 1,1-bis(4-hydroxyphenyl)cyclohexane, **High Performance Polymers**, **2014**, 26: 125-134. **(Impact Factor – 2.16)**
9. Athianna Muthusamy, **Krishnasamy Balaji**, Salem Chandrasekaran Murugavel, Synthesis, thermal, and photocrosslinking studies of thermotropic liquid crystalline poly(benzylidene-ether)esters containing α,β -unsaturated ketone moiety in the main chain, **Journal of Polymer Science Part A: Polymer Chemistry**, **2013**, 51: 1707-1715. **(Impact Factor – 2.70)**

10. **K. Balaji** and S.C. Murugavel. Studies on synthesis and thermal characterization of thermotropic liquid crystalline poly(benzylidene-ether)s containing alkanones and methylene spacers in the main chain, **Liquid Crystals**, 2012, 39: 683-693. **(Impact Factor – 2.90)**
11. **K. Balaji** and S.C. Murugavel. Investigation on dual properties of photosensitive thermotropic liquid crystalline poly(benzylidene-ether)s containing alkanones and methylene spacers in the main chain, **Journal of Polymer Science Part A: Polymer Chemistry**, 2012, 50: 1696-1706. **(Impact Factor – 2.70)**
12. **K. Balaji** and S.C. Murugavel. Synthesis and characterization of photosensitive liquid crystalline poly(benzylidene-ether)s with alkanones and methylene spacers in the main chain, **Journal of Polymer Science Part A: Polymer Chemistry**, 2011, 49: 4809-4819. **(Impact Factor – 2.70)**
13. **K. Balaji** and S.C. Murugavel. Synthesis, spectral and thermal characterization of photosensitive poly(ether-ester)s containing α,β -unsaturated ketone moieties in the main chain derived from 2,6-bis[4-(3-hydroxypropyloxy)-3-methoxybenzylidene] cyclohexanone, **Journal of Applied Polymer Science**, 2011, 120: 3141-3150. **(Impact Factor – 3.12)**
14. P. Shanmugaraj Balakrishnan, **Krishnasamy Balaji** and Salem Chandrasekaran Murugavel. Synthesis and chemical curing kinetics of epoxy resin containing α,β -unsaturated carbonyl moiety in the main chain, **High Performance Polymers**, 2011, 23: 265-272. **(Impact Factor – 2.16)**

SUMMARY OF PUBLICATIONS

h-index = 7; i10-index = 6; Citations = 109

BOOK CHAPTER

Book Chapter contributed: *Thermal and Morphological Analyses of polymer matrix composites*

Title of the Book : Encyclopedia of Materials: Composites

Authors : Devaraju Subramani, Hariharan Arumugam, **Balaji Krishnasamy**, Alagar Muthukaruppan

Publisher : Elsevier

Volume/Page No./Year : 1 / 1038-1068 / 2021

COUNTRIES VISITED

- ❖ **Visited Xiamen University, China for Post Doctoral research work from 2019-2020.**
- ❖ **Visited Stockholm, Sweden to deliver an invited talk** in 4th International Conference on Polymer Chemistry held during 25th – 27th June 2018. **(Funded by CSIR, New Delhi)**
- ❖ **Visited Kent State University, Kent (Ohio), USA** for presenting the research article in 26th International Liquid Crystal Conference (ILCC 2016) held during 31st July to 5th August 2016. **(Awarded Young Scientist Travel Grant by SERB, India)**
- ❖ **Visited Yokohama, Japan** for presenting the research article in 11th IUPAC Advanced Polymers via Macromolecular Engineering (APME 2015) held during 18-22, October 2015. **(Funded by CICS, India)**
- ❖ **Visited Mainz, Germany** for presenting the research article in 24th International Liquid Crystal Conference (ILCC-2012) held during 19-24, August, 2012. **(Awarded Young Scientist Travel Grant by CSIR & DST, India)**

EMPLOYMENT HISTORY

- 2019-Till date** Assistant Professor (**Selection Grade**) in Department of Chemistry
PSG Institute of Technology and Applied Research, Coimbatore, India
- 2016–2019 Assistant Professor (**Senior Grade**) in Department of Chemistry
PSG Institute of Technology and Applied Research, Coimbatore, India
- 2014–2016 Assistant Professor in Department of Chemistry
PSG Institute of Technology and Applied Research, Coimbatore, India
- 2013 – 2014 Assistant Professor in Department of Chemistry
PSG College of Technology, Coimbatore, India

RESEARCH EXPERIENCE

- 2019 – 2020 Post Doctoral Research in College of Materials, Xiamen University, China.
- 2012 – 2013 Senior Research Fellow (CSIR) in PSG College of Technology, Coimbatore.
(Worked in the field of photosensitive LCP)
- 2008 – 2011 Junior Research Fellow (DST) in PSG College of Technology, Coimbatore.
(Worked in the field of Photocrosslinkable Thermotropic LCP)
- 2006 – 2008 Research Intern in Central Electro-Chemical Research Institute (CECRI) at
Karaikudi in Electroics and Electrocatalysis division
(Worked in the field of Ion Selective Electrodes)

RECOGNIZED Ph.D. SUPERVISOR

- ❖ Recognized **Supervisor for guiding Ph.D.** and M.S (by research) by Anna University, Chennai.
(Ref. No.3070069)
- ❖ Area of Specialization : **Chemistry, Polymer Chemistry, Environmental Science**

HONOURS AND AWARDS RECEIVED

- ❖ Selected for **CSIR Summer Research Training Program (CSIR-SRTP) 2020** Online during
June – August 2020.
- ❖ Received **International Post Doctoral Research Fellowship (2019-20)** from College of
Materials, Xiamen University, China to pursue Post Doctoral Research work.
- ❖ **Received Exemplary award 2014 – 2015 for research**, from PSG Institute of Technology and
Applied Research.
- ❖ Council of Scientific and Industrial Research (CSIR), India awarded the **Senior Research
Fellowship** in the year 2012 based on research experience and publications during the Ph.D
work.

ESTABLISHMENT OF RESEARCH LABORATORY

- ❖ Established a **Polymer Engineering Research laboratory** in September 2018 at PSG Institute of Technology and Applied Research, Coimbatore, India.

INTERNATIONAL COLLABORATIONS

- ❖ Department of Material Science and Engineering, Xiamen University, China.
- ❖ Department of Fundamental Chemistry, University of São Paulo, Brazil.
- ❖ School of Chemistry and Chemical Engineering, Shandong University, China.
- ❖ Department of Chemistry & Biochemistry at Kent State University, Ohio, USA.
- ❖ Institute of Physical Chemistry and Technology of Polymers, Silesian University of Technology, Gliwice, Poland.
- ❖ Institute for Materials Chemistry and Engineering, Kyushu University, Japan

ACCOMPLISHMENT IN ONLINE COURSES

S. No.	Title of the Course	Percentage	Duration	Offered by / Organization
1.	Introduction to Psychology	90.0%	6 weeks	Yale University / Coursera
2.	Leadership and Emotional Intelligence	87.5%	4 weeks	Indian School of Business / Coursera
3.	Learning How to Learn: Powerful mental tools to help you master tough subjects	80.7%	4 weeks	McMaster University, University of California San Diego / Coursera
4.	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity	96.4%	4 weeks	University of California, Irvine / Coursera
5.	Introduction to Indoor Air Quality	83.0%	4 weeks	The Hong Kong University of Science and Technology / Coursera
6.	The Sustainable Development Goals – A global, transdisciplinary vision for the future	96.3%	3 weeks	University of Copenhagen / Coursera
7.	Air Pollution – a Global Threat to our Health	96.5%	3 weeks	University of Copenhagen / Coursera
8.	Introduction to Molecular Spectroscopy	93.0%	4 weeks	University of Manchester / Coursera
9.	Material Behavior	99.0%	6 weeks	Georgia Institute of Technology / Coursera
10.	Chemistry	90.5%	7 weeks	University of Kentucky / Coursera
11.	Processing of Polymers and Polymer Composites	67.0%	8 weeks	IIT- Roorkee / NPTEL

DETAILS OF Ph.D /PG/UG/STUDENTS

S. No.	Name of the Student	Ph.D./ PG/UG	Institution	Title of the Project	Status	Duration (From – To)
1.	Ms. M. Narmatha	Ph.D	SNS College of Engineering	Development & characterization of piperdone core based novel benzoxazine for antimicrobial applications	Ongoing	Sep 2019 – Till date
2.	Ms. A. Subasri	PG	PSG CAS	Synthesis and characterization of bisphenol-f and bisphenol-z based benzoxazines	Completed	Jan – April 2021
3.	Ms. D. Aishwarya	PG	PSGR Krishnammal	Studies and characterization of cardanol based monofunctional benzoxazines	Completed	Jan – April 2021

CERTIFICATION COURSES COMPLETED

- ❖ Completed **Five days Certificate Course on Effective Patent Drafting – 2017** (Pat Draft 2017) conducted jointly by Centre for Intellectual Property Rights (CIPR), Anna University, Chennai and The Tamilnadu Technology Development & Promotion Centre (TNTDPC) of Confederation of Indian Industry (CII), Chennai held between **22nd to 26th November 2017** at Anna University Regional Campus, Coimbatore.

CONSULTANCY ACTIVITIES

Name of the Consultancy work	Agency	Year
Curing process of resins	M/s. Padnmavahini Transformers Private Limited, Coimbatore	2020-21
Mandrel test, Corrosion test	Noah Engineering, Coimbatore	2020-21
Case Study	Tata Chemicals	2017-18
Testing of Plant Extract	KPR Institute of Engineering & Technology, Coimbatore	2017-18

MEMBERSHIP IN PROFESSIONAL BODIES /REVIEWER/ EDITORSHIP

- 1. IUPAC Affiliate Member**
- 2. Serving as a reviewer for SERB EMR research proposals.**
- Serving as a reviewer for journals: **Cellulose (Springer Nature), High Performance Polymers (Sage Publications), ChemistrySelect (John Wiley).**
- Editorial Member & Reviewer for Universal Journal of Materials Science Horizon Research Publishing, USA. (http://www.hrpub.org/journals/jour_editorialboard.php?id=62)

RESEARCH INTEREST

- Liquid Crystals and Liquid Crystalline Polymers
- Photosensitive Polymers & Photolithography
- Flame Retardant Polymers
- Polymer Composites, Thermosets & Epoxies
- Benzoxazine Chemistry, Synthetic Polymers and Synthetic Organic Chemistry

KNOWLEDGE ON INSTRUMENT HANDLING

- NMR (Bruker)
- Differential Scanning Calorimetry (Pyris 6 DSC, Perkin Elmer)
- Polarizable optical microscope (Euromex) with heating stage (Linkam)
- Fourier Transform Infra Red spectrophotometer (Perkin Elmer and Shimadzu)
- UV-Visible spectrophotometer
- Limiting Oxygen Index analyzer (LOI), Micro Cone Calorimeter
- Hand moulding machine
- Hydraulic pelletizer

GUEST LECTURE DELIVERED

- Delivered a lecture in the online webinar on “Creative Thinking Vs Critical Thinking” to Chettinad College of Engineering and Technology, Karur (June 5, 2021)
- Delivered a lecture on “Bloom’s Taxonomy” at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore (July 21, 2015).

SEMINARS/CONFERENCES/WORKSHOP/FDP CONDUCTED

- Organized Online Session on "*Conduct of Online Laboratory Classes - A Demo*" on 21st July 2020, at PSG Institute of Technology and Applied Research in association with PSG CARE and ISTE.
- Organized Webinar on “Enhancing Teaching-Learning Skills in Online Mode” on 14th July 2020, at PSG Institute of Technology and Applied Research in association with ISTE.
- Organized One Week Refresher Programme on Horizontal Integration of Various Elements of Pedagogy in Engineering Education during 4th to 9th June 2018 at PSG iTech (Funded by AICTE-ISTE, New Delhi).

- Conducted One day Workshop on Technical Textiles and Capabilities of PSG TECHS COE INDUTECH on 16th October 2017 at PSGTECHS COE INDUTECH.
- Organized two days Faculty Development Programme on “Train the Trainers - A Pedagogical Approach” on 28th & 29th June 2016.
- Organized five days Teaching-Learning process (Microteaching) for the faculty members during 08.12.2015 to 19.12.2015, at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.
- Organized two days First Year Students Orientation Programme on 31st July and 1st August 2015 at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.
- Conduct a one day workshop on “Micro Teaching-Laboratory Classes” for the faculty members on 30.06.2015 at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.
- Organized four days Teaching-Learning process for newly joined faculty members during 22.06.2015 to 25.06.2015, at PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.
- Organized a one day programme on “Steps for preparing a session plan for Class Work” for the faculties in PSG Institute of Technology and Applied Research, Neelambur, Coimbatore on 17th June 2015.
- Conducted a one day workshop on “Session Plan for Class work” for the faculties in PSG Institute of Technology and Applied Research, Neelambur, Coimbatore on 8th January 2015.
- One of the co-ordinators to organize 66th Republic day celebrations held on 26th Jan 2015 PSG Institute of Technology and Applied Research, Neelambur, Coimbatore.

PAPERS PRESENTED IN SEMINARS/CONFERENCES

- Delivered an oral presentation in Two days National Conference on Recent Trends in Chemistry - 2019 held during February 1st & 2nd 2019, at Sri Ramakrishan Mission Vidyalaya College of Arts and Science, Coimbatore.
- **Presented a research article in 4th International Conference on Polymer Chemistry held during 25th – 27th June 2018 at Stockholm, Sweden.**
- **Presented a research article in 26th International Liquid Crystal Conference (ILCC – 2016), held on 31st July to 5th August 2016 at Kent State University, Kent (Ohio), USA.**
- **Presented a research article in 11th IUPAC Advanced Polymers via Macromolecular Engineering (APME 2015) held on 18-22, October 2015 at Yokohama, Japan.**
- **Presented a research article in 24th International Liquid Crystal Conference (ILCC – 2012), held on 19-24, August, 2012 at Mainz, Germany.**
- National Conference on Current Trends in Chemistry (NCCTC – 10), Organized by Department of Chemistry, Bharathiar University, Coimbatore on December, 2-3, 2010.

- National Seminar on Recent Developments in Green Chemistry (NSGC-2009), Organized by Post Graduate & Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore on 22nd & 23rd July 2009.
- National Conference on Polymeric Materials – MACRO 09, Organized by Society of Polymer Science India and IIT-Madras at IIT-Madras Chennai, India on March 9-11, 2009.
- National Conference on Novel Polymeric Materials, Organized by Stella Maris College, Chennai and CLRI, Chennai on January 20th-21st, 2009.
- Recent Advances in Conducting Polymers (RACP-05), Organized by Department of Physics, Sri Ramakrishna Mission Vidyalaya college of Arts and Science, Coimbatore on 30th & 31st March 2005.

CONFERENCE/SYMPOSIUM/SEMINAR/FDP ATTENDED

- Participated in the International Webinar-III, 2021 on “PEM fuel cells for Electric vehicles” and “Heterogeneous catalyst design for desulfurization targeting clean environment” organized by the PG & Research Department of Chemistry, The American College, Madurai, TamilNadu, India on June 28, 2021.
- Attended a six days Faculty Development Programme on “Recent Developments in Materials Science - 21” jointly organized by the Departments of Physics and Chemistry, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore from 16.06.2021 to 22.06.2021.
- Attended a Webinar on “Active Cooperative Learning” on 29th July 2020 through Google Meet Platform organized by PSG CARE and PSG iTech, Coimbatore.
- Participated in the online session on “Writing Research Proposals” on 9th July 2020, through Google Meet Platform, organized by PSG CARE, Coimbatore.
- Received a certificate for successfully completed an e-Quiz on 16th June 2020, conducted by Department of Chemistry, Yadava College, Madurai.
- Attended three days international online faculty development program on “Advancements in Applied Chemistry” from 6th to 8th July 2020, organized by Department of Science, St. Joseph’s College of Engineering, Chennai.
- Received a certificate of achievement for successfully completed the international level E-Chem Quiz on “Who am I”, on 9th July 2020, conducted by Department of Chemistry, Ramakrishna Mission Vivekananda College (Autonomous), Chennai.
- Attended a webinar on “Mind Achieves What it Conceives”, on 4th July, 2020, organized by G.T.N. Arts College, Dindigul, Tamilnadu.

- Received a certificate of participation in online e-quiz on “Chemistry of Polymers”, on 9th July 2020, organized by PG and Research Department of Chemistry, Chikkanna Government Arts College, Tirupur, Tamilnadu.
- Attended a webinar on “Spectroscopic Techniques – II” on 8th July 2020, organized by American College Central Instrumentation Center, Madurai.
- Received a certificate of appreciation for successfully completed an e-Quiz on “Awesome Chemistry Aspects”, on 9th July 2020, organized by Department of Chemistry, Government Arts College, Coimbatore.
- Received a certificate of appreciation for successfully completed an online E-Quiz on “General Chemistry” on 7th July 2020, organized by PG & Research Department of Chemistry of Government Arts College, Trichy, Tamilnadu.
- Participated in the National level Quiz on “Frontiers in Chemistry” on 6th July 2020 conducted by Department of Chemistry, KPR Institute of Engineering and Technology, Coimbatore.
- Completed a National level online E-Quiz on “Basic Chemistry in daily life (score: 75%)”, organized by Alchemy Association, Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu.
- Attended a One-week Faculty Development Program (FDP) on “Application of New Materials in Emerging Field“ from 24th – 30th June 2020, organized by Department of Physics, Sathyabama Institute of Science and Technology, Chennai.
- Participated in Two-Day International Webinar on “Interdisciplinary Research for Societal Applications: Challenges and Opportunities (IRSA-2020)” during 26th & 27th June 2020, organized by Department of Chemistry, Bharathiar University, Coimbatore, Tamil Nadu.
- Received a Certificate of Appreciation for actively participated in the International Webinar on “Quality on Young Minds”, on 26th June 2020, organized by G.T.N. Arts College (Autonomous), Dindigul, Tamil Nadu.
- Participated in the Orientation Programme on Laboratory Safety Symbols” on 15th June 2020, organized by Department of Chemistry, Nirmala College for Women, Coimbatore.
- Participated in “Five day Webinar Series on World in the Hands” during 12th to 16th June 2020 organized by the Department of Chemistry, SNS College of Technology, Coimbatore.
- Participated in the National level” E-Quiz on GK Virtual Quiz-2020” on 10th June 2020 organized by the PG and Research Department of Chemistry, G.T.N. Arts College, Dindigul.
- Participated in the quiz contest on “Fundamentals of Chemistry, E-Quiz 2020” on 10th June 2020, conducted by Department of Chemistry, Sir Theagaraya College, Chennai.
- Participated in the online “Environmental Awareness Quiz Time for Nature” on 8th June 2020, organized by the Department of Chemistry and IQAC of Dr. C.V. Raman University, Bilaspur on the occasion of World Environment Day.
- Participated in the online “Environmental Awareness Quiz” in the view of World Environmental Day on June 5th, 2020 conducted by the Department of Science and Humanities, Dr. N.G.P. Institute of Technology, Coimbatore, Tamilnadu.

- Participated in the International Webinar entitled “Nano – The Tiny Warrior – Engineering Nanomedicine and Drug Delivery System” on 30th May 2020, organized by Department of Chemistry, Kongu Engineering College, Perundurai, Erode, Tamilnadu.
- Attended an online lecture on “Best Practices for Teaching Online” delivered by Dr. Florence Martin, Professor at University of North Carolina, USA on May 12, 2020.
- Attended one day Workshop on E – Resources for Teaching, Learning and Research on 13th March 2020, organized by GRD Memorial Library, PSG College of Technology, Coimbatore.
- Attended 3rd Edition “National Higher Education Conclave” organized by CII on 1st and 2nd December 2017, at Le Meridian, Coimbatore.
- Participated in a One day Workshop on “Publishing in Indexed Journals like (Scopus)”, organized by Higher Education Learning Centre (HELCC), PSG Institute of Technology and Applied Research on 8th November 2017.
- Attended One day Workshop on ‘Emotional Intelligence’ at PSG Institute of Technology and Applied Research on 20th October 2017.
- Attended a lecture on ‘Writing Proposals for Research Funds’ organized by PSG CARE on 14th October 2017.
- Attended two days conference on Higher Education for Digital Natives organized by CII, Coimbatore on 02-03 December, 2016.
- Participated in the one day workshop on “Identifying Role Relevant Behavioral Competencies” held on 11th November 2016, conducted by Mr. Muralidharan Nagarajan, Former GM, HR, Ashok Leyland at PSG Institute of Technology and Applied Research, Coimbatore.
- Attended One Day Workshop on Intellectual Property Rights 2016 (IPR 2016) held during 26th April 2016, organized by Centre for Intellectual Property Rights (CIPR), Anna University, Chennai.
- Attended a one day workshop on Applying and Implementing Effective Teaching Methods for Professional Development organized by PSG Centre for Academic and Research Excellence on 5th December 2015.
- Attended two day Faculty Development Programme on Exploring the Nature of Experiences in Academic Ambience organized by PSG Institute of Technology and Applied Research during 21st and 22nd May, 2015.
- Attended the Safety Awareness Programme organized by PSG Institute of Technology and Applied Research, Coimbatore on 28th January 2015.
- Attended a session on Promoting Innovation in Higher Education conducted by CII, Coimbatore on 27th March 2015.
- Participated in two days TEQIP-II sponsored Workshop on Polymeric Materials-Characterization and Applications organized by Department of Chemistry, Coimbatore Institute of Technology, Coimbatore during 29-30th November 2013.

- Attended two days workshop on Nanofabrication Technologies-2013 organized by Indian Nanoelectronics user program, IIT Bombay and PSG IAS during 24-25th October 2013 at PSG College of Technology, Coimbatore.
- Attended two days Research Workshop on “Composites” conducted by Departments of Production Engineering & Basic Sciences (Chemistry) on 27-28 September 2013, at PSG College of Technology, Coimbatore.
- Attended the one day FDP on Orientation Programme sponsored under TEQIP Phase II on 29.06.2013, organized by Educational Technological Centre, PSG College of Technology, Coimbatore.
- Attended the Faculty Development Programme on Green Chemistry Frontiers & Challenges, Organized by Department of Chemistry, NIT-Calicut, on 17.06.2013 to 21.06.2013.
- Attended the third National Workshop on Theory and Practice of Advanced Techniques for the Characterization of Nanomaterials, Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 24th & 25th January 2013.
- Third National Conference on Recent Trends in Polymer Science and Technology (NC RTPST – 2011), Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 29th – 27th August 2011.
- UGC Funded National Seminar on Traditional and Modern Medicine: Current Trends and Future Prospects, Organized by Department of Chemistry, Nirmala College for Women, Coimbatore on 25th February 2011.
- Third National Conference on Advances in Chemical for Textile Polymers-Application and Quality Assurance (ACTPAQ 2011), Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 17th – 18th February 2011.
- Attended the Workshop on Theory and Practice of Advanced Techniques for the Characterization of Nanomaterials, Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 20th & 21st January 2011.
- Three day Lecture workshop on “Applications of Nonlinear Dynamics in Engineering and Technology” Organized by Department of Physics, PSG College of Technology, Coimbatore on 30th July to 1st August 2009.
- Second National Conference on Advances in Chemical for Textile Polymers-Application and Quality Assurance (ACTPAQ 2009), Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 12th – 13th February 2009.
- Second National Conference on Recent Trends in Polymer Science and Technology (NC RTPST – 2008), Organized by Department of Chemistry, PSG College of Technology, Coimbatore on 21st - 22nd November 2008.
- Attended the National Workshop on Principles and Practice of Advanced NMR Spectroscopy conducted by The Society for Advancement of Electrochemical Science and Technology at CECRI Karaikudi on 11th -14th December 2006.