

## **Faculty Profile**



**Dr. S. Anand, M.Sc., Ph.D**  
Professor, Department of Chemistry

### **HIGHLIGHTS:**

- Number of Journal Publications: 22
- H-Index :9
- Project Funding Received: Nil
- Patents Published: 3
- Patents Granted: Nil

### **PROFESSIONAL LINKS:**

- Scopus ID: 18436181100
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=18436181100>
- Google Scholar ID: [UyLPV3gAAAAJ](https://scholar.google.com/citations?user=UyLPV3gAAAAJ)
- Anna University Faculty ID: 1129125
- AICTE Faculty ID: 1-4141830058
- Anna University Supervisor ID: 2970073
- LinkedIn: Nil

### **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 19.0 Years
- Industrial Experience: Nil

### **INTERNATIONAL EXPOSURE: Nil**

### **AREA OF SPECIALIZATION:**

- General Chemistry
- Analytical Chemistry
- Medicinal Chemistry
- Molecular targets of bioactive molecules

### **Research Interests:**

- Cell Signaling and Small Molecule Drug Discovery

## Ph.Ds AWARDED WITH DETAILS: Nil

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

## Ph.Ds GUIDING:

- Full Time Scholars: Nil
- Part Time Scholars: Nil

## SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- TNSCST (Rs. 4.9 Lakhs) - Under review

## PAPERS PUBLISHED:

- 1) Bharathi Raja R, **Anand S**, Muthusamy V.S, Sarath Kumar B, Lakshmi B.S. Diaryheptanoid a structurally related phytoestrogen inhibits the growth of estrogen dependent breast cancer cells and its interaction with estrogen receptors. Research Journal of Biotechnology. Vol. 20 (4) April 2025.
- 2) **Anand Singaravelu**, Kalaivani Arumugam, Mettilda Manuel Swami Dorai, *In vitro* assessment of a methanolic extract from *Coccinia indica* enhancing glucose uptake via the phosphoinositide 3-kinase dependent pathway. Recent innovation in Sciences and Humanities: Conference Proceeding in Taylor & Francis 2025, pp 147-151.
- 3) **Anand Singaravelu**, Mettilda Manuel Swami Dorai, Kalaivani Arumugam, Quantitative analysis and optimization of aloe emodin glycosides using HPLC and HPTLC techniques. Recent innovation in Sciences and Humanities: Conference Proceeding in Taylor & Francis 2025, pp 157-161.
- 4) Mettilda,M., Chrisona.S., **Anand. S.**, Kavitha.,S. Design and implementation of a standalone photovoltaic system with zeta converter for efficient energy conversion and voltage regulation. Recent innovation in Sciences and Humanities: Conference Proceeding in Taylor & Francis 2025, pp139-146.
- 5) Vijayakumar Mayakrishnan, Anand Thirupathi, Kavitha Ramamoorthy, Kaliappan Annadurai, Radha Prakasam, Yaodong Gu Choon Young Kim, Mahadevi Ramasamy, Habeebmon Karimpanchola, Priya Kannappan, Natesan Vijayakumar, Bhuvaneshwari Venkatesan Kumari and **Anand Singaravelu**. Chemical Composition Analysis and Assessment of Antioxidant and Anti-Inflammatory Activities of Crude Extract of *Flueggea* on Carrageenan-Induced Paw Edema in Wistar Albino Rats. Antioxidants 2024, 13, 976. ISSN: 2076-3921, <https://doi.org/10.3390/antiox13080976>. **Impact factor: 6.0.**
- 6) **Mohandoss Sonaimuthu**, Sivarasan Ganesan, Singaravelu Anand, Alagarasan Jagadeesh Kumar, Subramanian Palanisamy, SangGuan You, K. Velsankar, Sakkarapani Sudhahar, Huang-Mu Lo, Yong Rok Lee. Multiple heteroatom dopant carbon dots as a novel photoluminescent probe for the sensitive detection of Cu<sup>2+</sup> and Fe<sup>3+</sup> ions in living cells and environmental sample analysis. Environmental Research 219 (2023) 115106. **Impact factor: 8.4.**
- 7) N. Edayadulla, **S. Anand**, and T.Shankar. "Synthesis of tetrahydropyrimidine-5- carboxamide and their antibacterial evaluation". Asian Journal of Chemistry. Volume 30, Issue 2 (2018) 254-256. **Impact factor: 0.16.**

- 8) **S. Anand**, M. Arsakumari, P. Prabu, M. Arul Joseph Amalraj. Anti-diabetic and aldose reductase inhibitory potential of *Psidium guajava* by *in vitro* analysis. International Journal of Pharmacy and Pharmaceutical Sciences. 2016;8(9):271-276.
- 9) **Anand S**, Saravana Babu C, Lakshmi B.S, Muthusamy V.S. Aloe emodin glycosides ameliorate glucose utilization via insulin downstream regulators- An *in vivo* investigation. Asian J Pharm Clin Res, Vol 9, Suppl. 2, 2016, 1-8.
- 10) **S. Anand**, R. Bharathi Raja and B.S. Lakshmi. Enhancement of glucose uptake by *Ficus hispida* methanolic extract through Phosphatidylinositol 3 kinase and inhibition of aldose reductase –an *in vitro* analysis. European Journal of Integrative medicine.7-2015,164- 171. Impact factor: 1.813.
- 11) **Anand S.**, Muthusamy, V.S., Sujatha, S., Sangeetha, K.N., Bharthi Raja, R., Sudhagar, S., Poornima Devi, N. and Lakshmi, B.S. “Aloe emodin glycosides stimulate glucose transport and glycogen storage through PI3K dependent mechanism in L6 myotubes and inhibit adipocyte differentiation in 3T3L1 adipocytes”, FEBS letters, Vol. 584, pp. 3170– 3178, 2010. **Impact factor: 3.864.**
- 12) Muthusamy, V.S., Saravanababu, C., Ramanathan, M., Bharathi Raja, R., Sudhagar, S., **Anand S.** and Lakshmi, B.S. “Inhibition of protein tyrosine phosphatase 1B and regulation of insulin signalling markers by caffeoyl derivatives of chicory (*Cichorium intybus*) salad leaves”, British Journal of Nutrition, Vol. 104, pp. 813–823, 2010. **Impact factor: 4.125.**
- 13) Anil Kanauija, Rajeev Duggar, Steve Thomas Pannakal, Satyapal Singh Yadav, Chandra Kant Katiyar, Vinay Bansal, **Anand S.**, Sujatha, S., Lakshmi, B.S. “Insulinomimetic activity of two new gallotannins from the fruits of *Capparis moonii*”, Bioorganic & Medicinal Chemistry, Vol. 18, pp. 3940–3945, 2010. **Impact factor: 3.5.**
- 14) Sujatha, S., **Anand S.**, Sangeetha, K.N., Shilpa, K., Lakshmi, K., Balakrishnan, A., Lakshmi, B.S. “Biological evaluation of (3b)-STIGMAST-5-EN-3-OL as potent anti- diabetic agent in regulating glucose transport using in vitro model”, International Journal of Diabetes Mellitus, Vol. 2, pp. 101– 109, 2010. **Impact factor: 1.23.**
- 15) Sangeetha, K.N., Sujatha, S., Muthusamy, V.S., **Anand, S.**, Nithya, N., Velmurugan, D., Arun Balakrishnan and Lakshmi. B.S. “3 $\beta$ -taraxerol of *Mangifera indica*, a PI3K dependent dual activator of glucose transport and glycogen synthesis in 3T3-L1 adipocytes”, Biochimica et Biophysica Acta, Vol. 1800, pp. 359–366, 2010. **Impact factor: 4.11.**
- 16) B.S. Lakshmi, S.Sujatha, **S. Anand**, K. N. Sangeetha, R.B. Narayanan. “Cinnamic acid: Isolated from the bark of *Cinnamomum cassia* regulates glucose transport by activating insulin receptor and GLUT 4 on L6 myotubes in a PI3K independent fashion”, Journal of Diabetes, Vol. 1 pp. 99–106, 2009. **Impact factor: 3.69.**
- 17) Muthusamy, V.S., **Anand, S.**, Sangeetha, K.N., Sujatha, S., Arun Balakrishnan, Lakshmi. B.S. “Tannins present in *Cichorium intybus* enhances glucose uptake and inhibits adipogenesis in 3T3-L1 adipocytes through PTP1B inhibition”, Chemico-Biological Interactions, Vol. 174, pp. 69- 78, 2008. **Impact factor: 5.168.**

#### JOURNAL PUBLICATIONS:

- 1) **S. Anand**, R. Bharathi Raja, M. Mettilda and A. Kalaivani. Enhancement of glucose transport by *Cassia fistula* ethyl acetate extract through activation of IRTK, Phosphatidylinositol 3 kinase and GLUT4 on 3T3 L1 adipocytes. Journal of Huazhong University of Science and Technology. Vol.50, Issue 6, 2021.

- 2) Prabu P, Edayadulla N, **Anand S.** “*In vitro* antibacterial activity and gas chromatography-Mass spectrometry analysis of ethanolic extract of leaves of *Elettaria cardamomum* L maton”. Asian Journal of Pharmaceutical and Clinical Research, Vol 12, Issue1, 73-75, 2019.
- 3) **S. Anand**, N. Edayadulla, P. Prabu. Synthesis of 2, 6-dicarbethoxy-3, 5-diaryltetrahydro- 1, 4-thiazine-1, 1-dioxides enhances glucose uptake activity by *in vitro* method. International Journal of ChemTech Research. Vol.11 No.10, pp 361-366, 2018.
- 4) K. N. Sangeetha, S Sujath1, V. S. Muthusamy, **S. Anand**, K. Shilpa, P. Jyothi kumara, B. S. Lakshmi. Current trends in small molecule discovery targeting key cellular signaling events towards the combined management of diabetes and obesity. Bioinformation 2017. 13(12): 394-399.
- 5) Bharathi Raja Rajaganapathy, Karthikeyan Thirugnanam, Muthusamy Velusamy Shanmuganathan, **Anand Singaravelu**, Lakshmi Baddireddi Subadhra. “Molecular basis of the anti-inflammatory potential of a diarylheptanoid in murine macrophage RAW 264.7 cells.” Advances in Biological Chemistry, Vol. 3, pp. 541-548, 2013.

#### **PATENTS PUBLISHED/GRANTED:**

1. C. K. Katiyar., Y. Singh., R. Duggar., A. Kanaujia., V. Bansal., N. Sharma., S. S. Yadav., R. Singh., K. Srinivas., B.S. Lakshmi., S. Sujatha., K. N. Sangeetha., **S. Anand.** "Standardized Bioactive Herbal Extracts Having Anti-diabetic activity". Patent/Application No.: 1222/DEL/2007. Publication Date: 16/01/2009.
2. Chandra Kant Katiyar, Steve Thomas, Anil Kanujia, Yogindra Singh, Rajeev Duggar, Kona Srinivas, Vinay S. Bansal, Suchitra Sharma, B.S. Lakshmi, **S. Anand.** “Novel Tannin molecule from the fruits of *Cappris Mooni*”. Patent/Application No 966/ DEL/2008.
3. Dr. M. Thirumavalavan, Dr. S. Sharmila Queenthy, Dr. M. Mettilda, Dr. S. Shanthi, Dr. H. Dolli, **Dr.S.Anand.** Lipid nanoparticles for delivery of nucleic acids and its performance analysis. Application No.202441019708 A/29/03/2024.

#### **COURSES CERTIFIED:**

- ❖ Completed online certificate course of Introduction to Molecular Spectroscopy authorized by University of Manchester and offered through Coursera. (Coursera July– 2020).
- ❖ Completed online certificate course of Nanotechnology and Nano sensor authorized by Technion - Israel Institute of Technology and offered through Coursera. Part 1 (Coursera July - 2020).
- ❖ Completed online certificate course of Nanotechnology and Nano sensor authorized by Technion - Israel Institute of Technology and offered through Coursera. Part 2 (Coursera April - 2022).
- ❖ Successfully completed 12 weeks NPTEL course on “Analytical Chemistry” from July 2023 to October 2023.
- ❖ Successfully completed IUCEE International Engineering Educator Certification Program from July 2024 to December 2024. International Society for Engineering Education, Austria.

## ACHIEVEMENTS AND AWARDS:

- ✚ Received a **Best Young Researcher Award** from GRABS Educational Trust, Chennai in the year 2017.
- ✚ Received a **Teaching and Research Excellence Award** from GRABS Educational Trust, Chennai in the year 2018.
- ✚ Received an Academic Excellence Award (Best Faculty) for outstanding contribution to publishing two international journals, held at Saveetha Engineering College, Chennai on 9<sup>th</sup> January 2020.

## SPECIAL SESSIONS PRESENTED/DELIVERED:

- ❖ Presented the topic of the paper entitled “Enhancement of glucose transport by *Cassia fistula* extracts via the activation of IR, IRS1, PI3K and GLUT4 on L6 myotubes” National conference on Recent Advances in plant Biotechnology: Towards next green revolution on 9-10<sup>th</sup> February 2012 at Bharathidasan University, Tiruchirappalli.
- ❖ Presented the topic of the technical session entitled “Extraction and fractionation techniques in medicinal plant research” the ICMR sponsored National level Workshop on Advances in Medicinal Plant Biology and Toxicology at PRIST University, Thanjavur on 21<sup>st</sup> and 22<sup>nd</sup> June 2012.
- ❖ Presented the topic of the invited talk entitled as “Plant derived natural product research for new drug development” the DBT sponsored National level Workshop on Animal cell culture techniques for teaching faculty at SRM University, Chennai on 16<sup>th</sup> -20<sup>th</sup> December 2013.
- ❖ Presented the topic of the invited talk entitled as “Insulin mimetic action of aloe emodin glycosides from *Cassia fistula* stimulates glucose transport and storage – an *in vitro* approach at AVVM Sri Pushpam College, Thanjavur on 17<sup>th</sup> -18<sup>th</sup> August 2017.
- ❖ Presented the topic of oral presentation entitled as “Enhancement of glucose transport by MC021 methanolic extract through activation of IRTK, PI3K and GLUT4 on L6 myotubes in the International Conference on Materials and Spectroscopy (ICMS-2018) at Saveetha Engineering College, Thandalam, Chennai on 11-12 December 2018.
- ❖ Presented the topic of paper entitled as “2, 6-dicarbethoxy-3, 5-diaryltetrahydro-1, 4- thiazine-1, 1-dioxidesenhances GLUT4 through Phosphatidylinositol 3 kinase by *in vitro* approach” in the National Conference on Chemistry and Materials (NCCM-2019) at Saveetha Engineering College, Thandalam, Chennai on 22<sup>nd</sup> March 2019
- ❖ Acted as a chair person in the National conference on Advances in Science, Humanities and Technology held at Saveetha School of Engineering, Thandalam, Chennai during July 11<sup>th</sup> - 12<sup>th</sup>, 2019.
- ❖ Presented the topic of oral presentation entitled as “Aloe emodin glycosides from *Cassia fistula* shows promising antibacterial and immunomodulatory potential against Enteropathogenic Escherichia coli (EPEC) and its Lipopolysaccharide induced inflammation” in the International Virtual Conference on Advance in Chemistry and Materials (ICCM-21) at Department of Chemistry, Saveetha Engineering College, Thandalam, Chennai on 21<sup>st</sup> & 22<sup>nd</sup> July 2021.

## CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- ❖ Sujatha Jaiganesh S, Sangeetha K.N, Anand S. Arun Balakrishnan and Lakshmi B.S. “(3beta)-stigmast-5-en-3-ol from *Adathoda vasaka* shows insulinomimetic effect on L6 myotubes”. The 2<sup>nd</sup> convention of Brsi “Path to Health -Biotechnology Revolution in India” held in Anna University, Chennai, 24-26 November 2005.
- ❖ Sangeetha K.N, Sujatha Jaiganesh S, Anand S, Lakshmi B.S, and Arun Balakrishnan. “Screening of *Mangifera indica* for anti-diabetic property and validating it on various cell signaling markers like GLUT 4, PPAR  $\alpha$  and PI3 kinase on L6 myotubes”. The “Indo Swedish Symposium on

Genomics and Proteomics of Diabetes” at MDRF Chennai, 1-2 April 2006.

- ❖ Bharathi Raja R, Anand S. and Lakshmi B.S “Anti-proliferative effect of *Alpinia officinarum* extracts on MDA MB- 231 cells and their role in modulating key oncogenes”. National Seminar on Cancer-Biology & Development of New chemical entities” held in PSG College of Pharmacy, Coimbatore 20-22 November 2008.
- ❖ Anand. S, Muthusamy V.S, Sujatha S, Sangeetha, and Lakshmi B.S. “Aloe emodin glycosides from *Cassia fistula* stimulates glucose uptake and glycogen storage through insulin signaling pathway in L6 myotubes”. The International seminar on herbal drug research present and future prospects at JSS College of Pharmacy Ooty, 4-5 December 2009.
- ❖ Participation of “Science in Everyday life” organized by Department of Higher Education, Government of Tamilnadu on 19-22 February 2009 at Anna University, Chennai.
- ❖ Participation of “Science in Everyday life” organized by Department of Higher Education, Government of Tamilnadu on 29<sup>th</sup> January to 2<sup>nd</sup> February 2011 at Periyar Science and Technology Centre Campus, Chennai.
- ❖ Actively participated and conducted the international workshop on “The art of Journal and Thesis writing” at PRIST University, Thanjavur on 5<sup>th</sup> January 2012.
- ❖ Actively participated and conducted the national workshop on “Herbal Knowledge of Ancient Tamil works” at PRIST University, Thanjavur on 23-25<sup>th</sup> February 2012.
- ❖ Actively participated and conducted the international seminar cum workshop on “Biotechnology and Management” at PRIST University, Thanjavur on 13-14<sup>th</sup> March 2012.
- ❖ Actively participated and conducted the international conference on “Biodiversity and Biotechnology” at PRIST University, Thanjavur on 28-30<sup>th</sup> March 2012.
- ❖ Actively participated and conducted the Interactive workshop on “Biopharmaceuticals and Functional foods” at PRIST University, Thanjavur on 18<sup>th</sup> June 2012.
- ❖ Actively participated and conducted the Interactive workshop on “Advances in Medical Sciences” at PRIST University, Thanjavur on 19<sup>th</sup> June 2012.
- ❖ Actively participated in National Conference of “Advances in Modern Biology and Environment” H.H. The Rajahs, Government College, Pudukkottai on 7-8 February 2013.
- ❖ Participated Conference of “The Apollo Cancer Conclave 2014”. ITC Grant Chola Chennai on 6-9<sup>th</sup> February 2014.
- ❖ Attended two days Faculty development programme in SMART Training India LTD at VELTECH Engineering college, March 2014.
- ❖ Acted as a jurie in the International conference ICSEMR 2014, held at VEL TECH Multi Tech during November 27<sup>th</sup> -29<sup>th</sup> , 2014.
- ❖ Participated an International workshop for Chemical Biology, held at PRIST University, Thanjavur on 29.12.2016
- ❖ Participated a National Seminar on Research and Innovations in Nanoscience and Nanotechnology (RINSNT) held at Department of Chemistry, Saveetha Engineering College, Thandalam, Chennai on 21.04.2018.
- ❖ Participated a National workshop on Engineering Instruments and Applications, Saveetha Engineering College, Thandalam, Chennai on 31.08.2018.
- ❖ Participated a two day Faculty development training program on Research Methodology Tools and Techniques in Engineering organized by the department of Biomedical Engineering at Saveetha Engineering College, Thandalam, Chennai on 26<sup>th</sup> and 27<sup>th</sup> November 2018.
- ❖ Participated a one-day Awareness Workshop on IPR in Industry & Academia held on 27<sup>th</sup> December 2018 organized by the Intellectual Property Rights (IPR) Cell and Saveetha Engineering College, Thandalam, Chennai.
- ❖ Participated a one-day National Seminar on Advances and Future Challenges in Material Science on 22<sup>nd</sup> November 2019 organized by Rajalakshmi Engineering College, Thandalam, Chennai.
- ❖ Participated two days online Faculty development program on Tips for clearing patent agent

- examination on May 6<sup>th</sup> and 7<sup>th</sup> May 2020 organized by Velammal Engineering College.
- ❖ Participated two days online Faculty development program on Effective project proposal writing on May 8<sup>th</sup> and 9<sup>th</sup> May 2020 organized by Velammal Engineering College.
  - ❖ Participated Improving Competency and Values towards Intellectual Development (ICOVID) held at Saveetha Teaching Learning Centre from 6<sup>th</sup> April 2020 to 10<sup>th</sup> May 2020.
  - ❖ Participated in the Faculty development program on Advancement in Science and Humanities hosted by Department of Science and Humanities, Panimalar Institute of Technology during 25.5.2020 to 29.5.2020.
  - ❖ Participated three days FDP on Green Chemistry towards sustainable development held at Mohamed Sathak A J College of Engineering from 27.5.2020 to 29.5.2020.
  - ❖ Participated two days FDP on Recent trends in material frontiers held at St. Josephs College of Engineering from 29.5.2020 to 30.5.2020.
  - ❖ Participate one-week online FDP on Embracing the creative side of teaching and Learning methods, organized by RMK college of Engineering and Technology during 29<sup>th</sup> June to 3<sup>rd</sup> July 2020.
  - ❖ Participated International online Faculty Development Program on Advancement in Applied Chemistry held from 6<sup>th</sup> to 8<sup>th</sup> July 2020, Organized by Department of Science, St. Josephs College of Engineering.
  - ❖ Participated in one-week online Faculty Development Programme (FDP) on “Interdisciplinary Approaches on Chemical & Physical Sciences” (IACPS’20) held from 28<sup>th</sup> July 2020 to 1<sup>st</sup> August 2020 organized by Department of Chemistry, University College of Engineering - BIT Campus, Anna University, Tiruchirapalli.
  - ❖ Participated 14-days Online Faculty Development Programme on “Materials Science & Nanotechnology (FDP-MSNT-2020)” organized by Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology during 3<sup>rd</sup> August to 17<sup>th</sup> August 2020.
  - ❖ Participated FDP on E-Content Development and Delivery organized by Saveetha Teaching Learning Centre on 17<sup>th</sup> and 18<sup>th</sup> August 2020.
  - ❖ Participated FDP on AICTE-ISTE approved Refresher Course in Chemistry organized by AVC College of Engineering, Mayiladuthurai, Tamilnadu during 22.2.2021 to 27.2.2021.
  - ❖ Participated FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education from 2<sup>nd</sup> August to 6<sup>th</sup> August 2021.
  - ❖ Participated FDP on “Current Technology in Chemistry” organized by the Department of Chemistry, Easwari Engineering College, Chennai, Tamilnadu during 23.8.2021 to 27.8.2021
  - ❖ Participated FDP on “Applied chemistry: A catalyst for Scientific Transformation” organized by the Department of Chemistry, Faculty of Science, SGT University, Delhi from 23.8.2021 to 28.8.2021.
  - ❖ Participated webinar on Energy conservation at Vel Tech Institute of Science and Technology, Chennai held on 14.12.21.
  - ❖ Participated one day National Seminar on “Solutions to Real Time Chemical Engineering Problems using ANN & Primavera P6, organized by Department of Chemical Engineering, Saveetha Engineering College on 11<sup>th</sup> March 2022.
  - ❖ Participated one-week International Workshop on “Application of Nanoscience in Multidisciplinary Fields (IWANS-2022)” organized by organized by the Department of Chemistry & Division of Nanotechnology of Periyar Maniammai Institute of Science & Technology, Thanjavur from 7<sup>th</sup> March to 11<sup>th</sup> March 2022.
  - ❖ Participated five days FDP on “Scientific Tools for Startups” Organized by RUSA 2.0, Entrepreneurship & Career Hub, University of Madras from 8<sup>th</sup> – 12<sup>th</sup> March 2022.
  - ❖ Participated Seven days FDP on Best Practice for Next Gen Teachers from 30.5.22 to 7.6.2022 by SRM Institute of Science and Technology.

- ❖ Participated three days FDP on Art of writing a Research article and Indexing and Publication from 9.6.2022 to 11.6.2022 by Ashoka women's Engg. College, Kurnool.
- ❖ Participated one day National workshop on Sustainable materials advances and application organized by SRM Institute of Science and Technology on 22.7.2022.
- ❖ Participated one-week Faculty Development Programme on "Emerging Trends in Applied Chemistry" held from 25<sup>th</sup> to 30<sup>th</sup> July 2022 organized by Easwari Engineering College Chennai.
- ❖ Participated FDP on Embedding Research article writing skills on 5.8.2022 organized by S A Engineering College, Chennai.
- ❖ Participated in the Seminar on Overview of IPR and Patent filling procedures on August 27<sup>th</sup> 2022 by Saveetha Engineering College.
- ❖ Presented a Paper entitled as "Validation and development of *F. hispida* methanol extract by HPLC and HPTLC method in a one-day National Seminar on Recent challenges in Environmental and Medicinal chemistry held on 28.10.2022.
- ❖ Organized and participated International webinar on Small Molecules Derived Photoluminescent Carbon Dots: Synthesis, Characterizations, Sensing and Bio-imaging Applications on 14.11.2022 by Department of Chemistry, Saveetha Engineering College, Chennai.
- ❖ Participated Five days International virtual conference on "Recent trends in Organometallics and Material Science" held from 6<sup>th</sup> to 7<sup>th</sup> July 2023 organized by Easwari Engineering College Chennai.
- ❖ Participated in Participated in Faculty Development Programme on "Recent Research Development in Chemistry" organized by the Department of Chemistry Easwari Engineering College Chennai from 24.07.2023 to 29.07.2023.
- ❖ Participated Five days FDP on "Recent advances and applications in chemical sciences" held from 14.08.23 to 18.08.23 organized by Mohammed Sathak A J College of Engineering Chennai.
- ❖ Participated Five days FDP on "Recent Trends in Chemical Science" held from 19.01.24 to 24.01.24 organized by Theivanai Ammal College for Women, Villupuram.
- ❖ Acted as a Coordinator in the 2<sup>nd</sup> International Conference on Innovations in Science and Humanities (ICISH 2024). Organized by the Department of Science and Humanities, Saveetha Engineering College, Chennai held during 18<sup>th</sup> and 19<sup>th</sup> July 2024.
- ❖ Acted as a Reviewer a manuscript entitled "Genetic parameters of calving ease trait in Korean Holstein cattle using an animal-maternal model and a sirematernal grandsire model" (2024-11-13). For Journal of King Saud University – Science.
- ❖ Participated a National workshop on Frontiers in Chemical Research: Innovations and Applications" held during February 17 to 21, 2025 organized by Department of Chemistry, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai.

**PROFESSIONAL MEMBERSHIPS: Nil OTHER DETAILS (If any):**

**Professional Development Activities:**

S.NO	NAME OF THE AWARD	YEAR	AGENCY
1	Senior Research Fellow	2009-2011	Funded by CSIR, Govt. of India
2	Senior Research Fellow	2006-2009	Funded by Ranbaxy Laboratories
3	Junior Research Fellow	2005-2006	Funded by Ranbaxy Laboratories