

CURRICULUM VITAE

Dr. A. UMAMAHESWARI

Assistant Professor (Sr. Gr)

Department of Pharmaceutical Technology

UCE – BIT Campus, Tiruchirappalli 620 024

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➤ **Research Area:**

1. Drug Design and Development using organic synthetic strategies
2. Cancer Biology
3. Bioinformatics
4. Identification of drug targets for lead discovery
5. Nano material synthesis
6. Environment Management

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (specialization)	Pharmaceutical Technology	2016	-	-
PG (specialization)	Pharmacy Practice	2006	79.33	First Class with Distinction
UG (specialization)	Pharmaceutical Sciences	2003	75	First Class

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Bharathidasan Institute of Technology, Bharathidasan University, Trichy	Guest Lecturer	15.09.2006	09.04.2007	7 months
Anna University Tiruchirappalli, Tiruchirappalli	Teaching Research Associate	02.07.2007	30.11.2007	5 months
Anna University Tiruchirappalli, Tiruchirappalli	Teaching Research Associate	12.05.2008	18.08.2009	1 year 3 months
University College of Engineering (BIT Campus),	Assistant Professor	19.08.2009	Till date	14 years

Anna University, Tiruchirappalli				
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Awards / Honours Received:

1. Awarded Management **Gold Medal** for securing highest in M.Pharmacy during the year 2005-2006 from Periyar College of Pharmaceutical Sciences for Girls, Trichy-21 on 07th April 2007.
2. Awarded **Thiru Gnana Sebastian Endowment Award** for securing highest in M.Pharmacy during the year 2005-2006 from Periyar College of Pharmaceutical Sciences for Girls, Trichy-21 on 07th April 2007.
3. Wound Healing activity of seed extract of Annona reticulate BIOSPARK 2007, state level seminar in Pavendar Bharathidasan College of Arts and science on 29th February 2007- **Best Paper Award received.**
4. Awarded **third prize** for the best poster presentation entitled “Synthesis, Method development and Validation of substituted indole containing amide derivatives as Histone Deacetylase Inhibitors” in an ICMR sponsored National seminar on Drug discovery from medicinal plants held at Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, Srivilliputhur on 6th & 7th November 2009.
5. Certificate of Appreciation for the humanity services (Blood donation) by the Tamil Nadu State Aids Control Society and Tamil Nadu State Blood Transfusion Council for the year 2017 on 05th October 2017.
6. Certificate of Appreciation for the humanity services (Blood donation) by the Tamil Nadu State Aids Control Society and Tamil Nadu State Blood Transfusion Council for the year 2023 on 28th August 2023.

Additional / Academic Responsibilities at University:

1. Antiragging Squad Member 2013
2. Sports Coordinator (2013- 2016)
3. Coordinator in charge for NSS Unit 1 and Manam club for two months (Sep-October 2019).
4. Alumni Coordinator from 2020 to till date.
5. Laboratory in charge from 2020 to till date.
6. Placement Coordinator from 2020 to till date.
7. Cultural Coordinator from 2009 to till date
8. Maintenance Coordinator from 2013 to till date
9. Class Coordinator (2009- 2013, 2016, 2020-till date)
10. Chief Anna University Representative Examinations
11. University Squad member
12. Syllabus Framing for Anna University B.Tech Pharmaceutical Technology (Regulations 2017, 2021).

➤ **Membership of Scientific and Professional Societies:**

1. Registered Pharmacist- Tamilnadu Pharmacy Council- 8958 A1.
2. Member of Indian Journal of Hospital Pharmacy- ALM-50528.

3. Member of Indian Science Congress- LM5812.
4. Member of the Indian Pharmacists Association- L.M.No.TN/CH/PhA-4043.

Fellowships and Grants received:

1. **Department of Science and Technology, New Delhi** sponsored Research Project “Design, synthesis and evaluation of Novel COX-2 inhibitors of dibromotyrosine derivatives as anti-inflammatory drugs”, Approximately 30.42 Lakhs (No.SR/S1/OC-48/2011, 15th October, 2012) 2013-16. [PI-Dr.A.Puratchikody, Associate Professor, Anna University (BIT Campus) in collaboration with Dr. D. Sriram (Co-investigator) BITS Pilani Campus, Hyderabad-560 078].
2. Seed Grant Scheme for Faculty Members sponsored by TEQIP- II during 2016 -2017 Rs.50000/-
3. **TEQIP II Sponsored project** entitled "Manufacture of Techno Economical Feasible Process of Cephalexin using 7-ADCA" 2015-2016 under Students Project Scheme, Amount sanctioned- Rs.10000/- (P.Harini BIT / Dean / TEQIP / Project Proposal order /2016-084 dated 28.03.16)
4. **CENTER FOR TECHNOLOGY DEVELOPOMENT AND TRANSFER**, Anna University, Chennai sponsored **Students Innovative Project** 2019. (Jeseeta S, Nirmal A: ID: 1819S4388- Green Nanotechnologies: Synthesis of Metal Nanoparticles from Cardiospermum halicacabum and Establishment of its Anti Rheumatoid Arthritis Potential through Gene Expression Technique - Amount sanctioned- Rs.25000/-).

Completed PG/UG Projects:

- a. Number of PG Projects Completed: 11 students
- b. Number of UG Project Completed: 48 students (28 batches)

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.				

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.				

➤ **Publications:**

a. Books / book chapters:

Book Editorship

- i) Book: Intellectual Property- Global Perspective advances and Challenges", InTech, Croatia, 2023. ISBN 978-1-83769-502-7.
- ii) Book: Computer applications in drug discovery and development, 1-332, IGI Global, eEditorial Discovery, 2019, ISBN: 9781522573265, EISBN13: 9781522573272| DOI: 10.4018/978-1-5225-7326-5.
- iii) Special Issue - International Journal of Research in Pharmacology & Pharmacotherapeutics, Dec.2016. <http://www.ijrpp.com/specialarticles/2016/Anna%20University>, ISSN: 2278 – 2648.

Book Chapters

1. N. Tamilselvan, **A. Umamaheswari**, S. Lakshmana Prabu. Revolutionizing the Major Threat Challenges in Pharmaceutical Industries by Monitoring Heating, Ventilation and Air Conditioning Systems. In: Ilić P, Govedar Z, Pržulj N (eds) Environment. Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, Monograph LV, 2023; 203-241.
2. **A. Umamaheswari**, S. Lakshmana Prabu. Introductory Chapter: A Fundamental Conception on Copyright and Related Rights. In: Intellectual Property – Global Perspective Advances and Challenges. S. Lakshmana Prabu, A. Umamaheswari (Eds.), InTech, Croatia, 2023; pp. 3-8.
3. A. Umamaheswari, M. Vijayalakshmi, A. Prabitha Priyadarshini, C. Dinesh Kumar, Kamal Dua, S. Lakshmana Prabu. **Drug delivery systems in Krabbe Disease: Present and prospective approaches.** In: Drug Delivery Systems for Metabolic Disorders. Harish Dureja, Narasimha Murthy, Peter Wich, Kamal Dua (Edrs). Academic Press is an imprint of Elsevier. 2022; pp. 317-336.
4. S. Lakshmana Prabu, N.Nishitha, A. Umamaheswari, M. Vijayalakshmi. **Advanced Treatment Strategies to combat Tay - Sachs disease (TSD).** In: Drug Delivery Systems for Metabolic Disorders. Harish Dureja, Narasimha Murthy, Peter Wich, Kamal Dua (Edrs). Academic Press is an imprint of Elsevier. 2022; pp. 337-350.
5. S. Lakshmana Prabu, Teenu Sara Josen, A.Puratchikody, A. Umamaheswari. **Sandhoff Disease: Pathology and Advanced Treatment Strategies.** In: Drug Delivery Systems for Metabolic Disorders. Harish Dureja, Narasimha Murthy, Peter Wich, Kamal Dua (Edrs). Academic Press is an imprint of Elsevier. 2022; pp. 351-358.
6. Gum based drug delivery systems. A. Umamaheswari, M. Vijayalakshmi, S. Barath Raj, C. Dinesh Kumar,

7. S.Lakshmana Prabu. In: Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases. Harish Dureja, Kamal Dua (Edrs). Springer Nature Singapore Pte Ltd. 2023, pp. 147-166.
8. S. Lakshmana Prabu, N. Tamilselvan, S. N. Jegasubramaniam, A. Puratchikody, A. Umamaheswari. Insulin based drug delivery systems. In: Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases. Harish Dureja, Kamal Dua (Edrs). Springer Nature Singapore Pte Ltd. 2023, pp. 259-276.
9. A. Umamaheswari, M. Vijayalakshmi, M. Dhivya Sree, S. Lakshmana Prabu, A.Puratchikody. **Cogent and Strategic Approaches for Gene Delivery with Nanostructures**. In: The Science of Nanomaterials: Basics and Applications". Suresh C. Ameta & Rakshit Ameta (Eds.), Apple Academic Press, Inc. Co-published with CRC Press (Taylor & Francis), 2022; pp. 91-121.
10. S. Lakshmana Prabu, A. Umamaheswari, A. Puratchikody. **Bioremediation approaches for degradation of textile dye effluents. Bioremediation and Green Technologies**. In: Sustainable Approaches to Mitigate Environmental Impacts. Springer International Publishing. 2021; pp. 113-133. 978-3-030-64122-1
11. A. Umamaheswari, S. Lakshmana Prabu, A. Puratchikody. **Near-Infrared Spectroscopic techniques and its analytical application in Pharmaceutical Industries**. In: Advances in Chemistry Research. Nova Science Publishers, NY, USA. 2020; pp. 195-236. 9781536176278
12. A. Umamaheswari, S. Lakshmana Prabu, M. Rengasamy, G. Venkatesan. **A Safety Promotion Approach for Handling of Chemicals in the Working Environmental Management**. In: Handbook of Environmental Materials Management, C. M. Hussain (ed.), Springer International Publishing. 2017; https://doi.org/10.1007/978-3-319-58538-3_66-1.
13. A. Umamaheswari, A.Puratchikody, Sakthivel Balasubramaniyan. Target identification of HDAC 8 isoform for the treatment of cancer. In: Computer applications in drug discovery and development. A. Puratchikody, S. Lakshmana Prabu, A. Umamaheswari (Edr.). IGI Global, eEditorial Discovery, 2019, pg.1-332. 13:9781522573265.
14. A. Umamaheswari. Molecular modeling of novel COX -2 inhibitors. In: Computer applications in drug discovery and development. A. Puratchikody, S. Lakshmana Prabu, A. Umamaheswari (Edr.). IGI Global, eEditorial Discovery, 2019, pg.1-332. 13:9781522573265.
15. A. Umamaheswari. Computer Aided Drug Design. In: Natural Products Drug Development. A. Puratchikody (Edr.). Studium Press India Pvt. Ltd, New Delhi, 2014; pp. 347-388.
16. A. Umamaheswari. Structural elucidation of small molecules: IR- ¹H NMR - ¹³C NMR – Mass spectra. In: Natural Products Drug Development. A. Puratchikody (Edr.). Studium Press India Pvt. Ltd, New Delhi, 2014; pp. 439-534.

A. International Journals:

1. **Umamaheswari A**, Jegasubramaniam SN, Harish M and Lakshmana Prabu S, Toxicity interactions of Nanomaterials in Biological system: A pressing priority, *Bioequivalence & Bioavailability International Journal*, Medwin publishers 2022; 6(2): 000173.
2. **Umamaheswari A**, Jegasubramaniam SN, Harish M and Lakshmana Prabu S, Emerging Approaches and Perception of Toxicity Assessment in Nanomaterials, *Bioequivalence & Bioavailability International Journal*, Medwin publishers 2022, 6(1): 000168, DOI: 10.23880/beba-16000168.
3. M. Vijayalakshmi, **A. Umamaheswari**, B. Agalya, S. N. Jegasubramaniam, S. Lakshmana Prabu, Foresight on Phytoconstituents and Associated Pharmacological Activities of Traditional Medicinal Plant: *Saussurea costus* (Falc.) Lipschitz, *Current Pharmacology Reports*, (**IF: 1.52**), Springer publishers, 2022, <https://doi.org/10.1007/s40495-022-00287-8>. Scopus indexed.
4. **Umamaheswari A**, Vijayalakshmi M, Sree MD, Prabu SL and Puratchikody A, A Typical Properties of Nanomaterials for Applications in Drug Delivery: A Review, *Bioequivalence & Bioavailability International Journal*, 5(2): 000155, Medwin publishers 2021, DOI: 10.23880/beba-16000155.
5. **A. Umamaheswari**, S. Lakshmana Prabu, S. Adharsh John, A. Puratchikody, Green synthesis of Zinc Oxide Nanoparticles using leaf extracts of *Raphanus sativus var. Longipinnatus* and evaluation of their anticancer property in A549 cell lines, *Biotechnology Reports*, (**IF: 1.8**), . 2021; 29: e00595. Sci indexed.
6. Sakthivel Lakshmana Prabu, **Appavoo Umamaheswari**, Grace Feliciya, Investigation on the Biofilm Eradication Potential of Selected Medicinal Plants against Methicillin-Resistant *Staphylococcus aureus*, *Biotechnology Reports* (**IF: 1.8**), 28 E00523, 2020. Sci indexed.
7. Ayarivan Puratchikody, Sakthivel Balasubramaniyan, Navabshah Irfan, Senthil Kumar, **Appavoo Umamaheswari**, Synthesis and biological evaluation of virtually designed fluoroquinolone analogs against fluoroquinolone-resistant *Escherichia coli* intended for UTI, *New Journal of Chemistry*, (**IF: 3.27**), Royal Society of Chemistry Publishers, 2020, 44, 13308-13318, DOI: 10.1039/D0NJ00657B. Sci indexed.
8. Chelliah Selvam, Sakthivel Lakshmana Prabu, Brian C. Jordan, Yasodha Purushothaman, **Appavoo Umamaheswari**, Maryam Sadat Hosseini Zare, Ramasamy Thilagavathi. Molecular mechanisms of curcumin and its analogs in colon cancer prevention and treatment, *Life Sciences*, (**IF: 3.4**), 2019: 239:117032. Sci indexed.
9. S. Lakshmana Prabu, **A. Umamaheswari**, A. Puratchikody. Phytopharmacological potential of the natural gift *Moringa oleifera* Lam and its therapeutic application: An overview. *Asian Pacific Journal of Tropical Medicine*, (**IF: 1.77**), 2019, 12(11): 485-498. Sci indexed.

10. S. Lakshmana Prabu, **A. Umamaheswari**, A. Puratchikody. *In silico* design for drug discovery and development: From Bench to market. *Journal of Drug Design and Discovery Research*. 2019; 1(1): 21-32.
11. **Appavoo Umamaheswari**, Ayarivan Puratchikody, Natarajan Hari, “Synthesis and investigation of therapeutic potential of isoform specific HDAC8 inhibitors for the treatment of cutaneous T cell lymphoma”, *Anti-Cancer Agents in Medicinal Chemistry*, (**IF: 2.57**), Bentham Science Publishers, 2019, 19(7):916-934. Sci indexed.
12. Ayarivan Puratchikody, **Appavoo Umamaheswari**, Navabshan Irfan, Shewta Sinha, S.L.Manju, Meera Ramanan, Gayathri Ramamoorthy and Mukhesh Doble, “A novel class of tyrosine derivatives as dual 5-LOX and COX-2/mPGES1 inhibitors with PGE₂ mediated anticancer properties”, *New Journal of Chemistry*, (**IF: 3.27**), Royal Society of Chemistry Publishers, 43, 834-846, 2018, DOI: 10.1039/c8nj04385j. Sci indexed.
13. Puratchikody Ayarivan, **Umamaheswari Appavoo**, Irfan Navabshan, Sriram Dharmarajan, “Molecular dynamics studies on COX-2 protein-tyrosine analogue complex and ligand-based computational analysis of halo-substituted tyrosine analogues”, *Letters in Drug Design & Discovery*, (**IF: 0.96**), Bentham Science Publishers, 16 (11), 2019. H index: 20, ISSN: 1875-628X. Sci Indexed.
14. **Umamaheswari. A**, Lakshmana Prabu. S and Puratchikody. A, “Biosynthesis of zinc oxide nanoparticle: a review on greener approach”, *MOJ Bioequivalence & Bioavailability*, MedCrave Publishing Group, USA, 5(3), 151-154, 2018.
15. Sakthivel Balasubramaniyan, Navabshan Irfan, **Appavoo Umamaheswari** and Ayarivan Puratchikody, “Design and virtual screening of novel fluoroquinolone analogs as effective mutant DNA GyrA inhibitors against urinary tract infection causing fluoroquinolone resistant *Escherichia coli*,” *Royal Society of Chemistry Advances*, (**IF: 2.936**), 23629–23647, 8, 2018, DOI: 10.1039/c8ra01854e. Sci indexed.
16. S Lakshmana Prabu, **A Umamaheswari** , S Rajakumar , PL Bhuvaneshwari and S Muthupetchi, “Development and Evaluation of Gel Incorporated with Synthesized Silver Nanoparticle from *Ocimum gratissimum* for the Treatment of Acne Vulgaris”, *American Journal of Advanced Drug Delivery*, (**IF: 0.78**), 5(3), 107-117, 2017.
17. **A. Umamaheswari**, A. Puratchikody, S. Lakshmana Prabu, T. Jayapriya, “Phytochemical Screening and Antimicrobial Effects of *Musa Acuminata* Bract”, *International Research Journal of Pharmacy*, (**IF: 0.75**), H index: 1, ISSN 2230 – 8407, 8(8), 41-44, 2017.
18. **Appavoo Umamaheswari**, Sakthivel Lakshmana Prabu and A.Puratchikody, “Drug Affordability in India - an Analytical Review”, *MOJ Bioequivalence & Bioavailability*, MedCrave Publishing Group, USA, ISSN: 2573-2951.3(6): 00053, 2017.

19. Sakthivel Lakshmana Prabu, **Appavoo Umamaheswari**, Chandran Arun Kumar, Murugesan Banumuthupriya, Dharumadurai Dhanasekaran, “Formulation and Evaluation of Polyherbal Gel Containing Natural Antimicrobials for the Management of Acne Vulgaris”, International Research Journal of Pharmacy, (**IF: 0.75**), H index: 1, ISSN: 2230 – 8407, 8(5), 65-69, 2017.
20. G.Ajithkumar, G.Muthukumar, **A.Umaheswari**, A.Puratchikody “Stability- Indicating LC Method for the Determination of Olmesartan Medoxomil in Bulk Drug and Pharmaceutical Formulations”, International Journal of Research in Pharmacology & Pharmacotherapeutics, special issue (1), 156-166, 2016.
21. S. Lakshmana Prabu, **A. Umamaheswari**, V. Tamilselvan, V. Brithvi “*In silico* analysis of *Coriandrum Sativum* against sPLA2 as a therapeutic target protein for Antiasthmatic activity”, International Journal of Research in Pharmacology & Pharmacotherapeutics, special issue (1), 55-64, 2016.
22. D.Delphy Sherlie Paul, P.Harini, S.Assvitha, A.Kalairasi, S.Ganesh, **A.Umaheswari** “Phytochemical Investigation and Anticancer Activity of Leaf Extract of *Raphanus sativus* var.*sativus*”, International Journal of Research in Pharmacology & Pharmacotherapeutics, special issue (1), 39-45, 2016. Sci indexed.
23. Ayarivan Puratchikody, Dharmaraj Sriram, **Appavoo Umamaheswari**, Navabshan Irfan “3-D structural interactions and quantitative structural toxicity studies of tyrosine derivatives intended for safe potent inflammation treatment”, Chemistry Central Journal(**IF: 2.65**), Springer open Publishers, doi:10.1186/s13065-016-0169-9, ISSN: 1752-153X, 2016, H index: 20, Sci Indexed.
24. Arumugam Yasodha, Ayarivan Puratchikody, Balasubramanian Narasimhan and **Appavoo Umamaheswari**, “A quantitative structure-activity relationship study of antimicrobial activity of 1-aryl /alkyl-4-amino / dimethylamino / pyrrolidino /morpholino pyridinium bromide” Rasayan Journal of Chemistry, (**IF: 0.29**), 8(2), 255-265, 2015, H- Index: 2.
25. **Appavoo Umamaheswari**, Navabshah Irfan, Ayarivan Puratchikody, "*In silico* molecular interaction studies of chiral heterocyclic analogs of SAHA as selective histone deacetylase 8 inhibitors" Letters in Drug Design & Discovery, (**IF: 0.96**), 711-727, 12(9), 2015, Bentham Science Publishers, H index: 20, ISSN: 1875-628X. Sci indexed.
26. Subramaniam Swarnalatha, **Appavoo Umamaheswari**, Ayarivan Puratchikody, “Immunomodulatory activity of Kaempferol 5-O- β -D-glucopyranoside from *Indigofera aspalathoides* Vahl ex DC. (Papilionaceae)” Medicinal Chemistry Research, (**IF: 1.6**), 24:2889–2897, 2015. Springer Publishers, H index: 24, ISSN: 1054-2523. Sci indexed.
27. Gobardhan Bal, **Umamaheswari Appavoo**, Shanmugarathinam Alagarsamy, Puratchikody Ayarivan, “Stability-indicating RP-HPLC Method for Determination of Ramipril in Drug Substance and Marketed Formulation” International Journal of Frontiers in Science and Technology, 1 (2) 1-18, April- June 2013.

28. Balakrishnan Vijayakumar, **Appavoo Umamaheswari**, Ayarivan Puratchikody, Devadasan Velmurugan, "Selection of an improved HDAC8 inhibitor through structure-based drug design" *Bioinformation* (**IF: 1.15**), 7(3), 134-141, Sep. 2011, H- index: 10.
29. A.Puratchikody, **A.Umaheswari**, P.Sudhakar, P.Senthamilselvan, S.M.M.Rahman, "Synthesis and validation of RP-HPLC method for the indole hydroxyhexanamide as potential histone deacetylase inhibitor" *Journal of Pharmacy and Pharmacology*, (**IF: 2.2**) Special Issue: UK-PharmSci 2010 - The Science of Medicines, Abstracts from the UK conference, 1-3 September 62(10), 1212-1213, Oct. 2010. Publisher: Wiley-Blackwell on behalf of the Royal Pharmaceutical Society of Great Britain, H-index: 63. Sci indexed.
30. **A.Umaheswari**, A.Arun kumar, B.N.Vedhahari D.Surya prabha and S.Punitha, "Phytochemical Evaluation and Antinflammatory Activity of Seed Extract of *Annona squamosa*" *International Journal of Chemical Sciences* (**IF: 0.6**), Vol.6 (3); 2008; 1594-1599.
31. A.Umaheswari, A.Jaswanth, A.Arun kumar, D.Surya prabha, S.Punitha and B.N.Vedhahari, "Evaluation of Antiulcer effects seed extract of *Annona reticulata*", *International Journal of Chemical Sciences* (IF: 0.6), Vol.2 (2); 2008; 903-907.

B. National Journals:

1. P.Suresh Kumar, S.Sucheta, **A.Umaheswari** , V.Sudarshana Deepa, "In vitro and in vivo evaluation of anti-dandruff activity of formulated polyherbal hair oil" *Journal of Pharmacy Research*, (**IF: 0.8**), 3(12), 2956-2958, Dec. 2010. H-index : 5.
2. Vaithiyalingam Jayasheelan, **Appavoo Umamaheswari**, Alagarsamy Shanmugarathinam, Ayarivan Puratchikody, "Wound healing potential of *Psammaphysilla purpurea*: A pharmacological and biochemical evaluation" *Journal of Pharmacy Research*, (**IF: 0.8**), 3(6), 1325-1329, 2010. H-index : 5
3. **A.Umaheswari**, Arunkumar.A, B.N.Vedhahari, S.Punitha and D.Suryaprabha, "Antinflammatory Activity and Phytochemical Evaluation of *Annona reticulata*" *Archives of Pharmaceutical Sciences and Research*, Vol. 2 (1) January 2010, 264 - 266.

➤ **Patents:**

1. **Pipette with finger operated Plunger. Indian Design Patent Number : 380615-001, Dated: 02.03.2023.** A. Umamaheswari, S. Lakshmana Prabu, M. Rengasamy, N. Jaya, G. Venkatesan

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status

1	Design, synthesis and evaluation of Novel COX-2 inhibitors of dibromotyrosine derivatives as anti-inflammatory drugs	Department of Science and Technology, New Delhi	30.42 Lakhs	2013-2016	Completed
2	Manufacture of Techno Economical Feasible Process of Cephalixin using 7-ADCA	TEQIP II	10,000/-	2015-2016	Completed
3	Green Nanotechnologies: Synthesis of Metal Nanoparticles from Cardiospermum halicacabum and Establishment of its Anti Rheumatoid Arthritis Potential through Gene Expression Technique	CTDT, Chennai	25,000/-	2019-2020	Completed

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Organized online Placement class on Study Abroad Opportunities and Benefits by the speaker, Dr. Gover Antoniraj, PBC-Post Doctoral Fellow, Department of Clinical Biochemistry and Pharmacology, Faculty of Health Sciences, Ben-Gurian University of the Negev, Israel in association with Revamp, on 06 September 2023- 26 participants.
- Organized online Placement Orientation on Studies Abroad by the speaker, Mr.R.Elaiyakumar, Founder & CEO, Revamp, on 26 August 2023- 60 participants.
- Organized Expert Lecture by Dr. N. Samsudeen, Associate Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli on ““Design of Reactors for Catalytic and Non catalytic Heterogeneous Reactions” on 28 & 29 October 2022 - 48 participants.
- Organized Expert Lecture by Mr.R.Maniyarasan, Country Manager, Business Development, Aurigene Pharmaceuticals Sciences Limited Pvt. Ltd, Hyderabad on “Challenges for Chemical Engineers in Pharmaceutical Industries” on 17 October 2022 at 09.30a.m- 120participants.
- One day Webinar on “**Discovery of a Novel Antibiotic to Combat Anti-Microbial Resistance (AMR)**” on 20 July 2020 at 10.30 a.m -11.30 a.m through Zoom online mode – 102 participants.

- One day Webinar on “**Pharmacotherapy of SARS-CoV-2**” on 17 July 2020 at 10.30 a.m -11.30 a.m through Zoom online mode – 73 participants.
- One day Webinar on “**Pharmaceutical Industry: Education Requirements and Career Insights**” on 18 June 2020 at 11.00 a.m -12.00 noon through Zoom online mode – 61 participants.
- Two days Seminar entitled “**Challenging Perspectives in Pharmaceutical Technology**” on 21 & 22 February 2020 at BIT Campus, Anna University, Tiruchirappalli- 129 participants.
- Technical Education Quality Improvement Programme (**TEQIP-II**) sponsored **National Conference** entitled “Innovation and Future Directions in Pharmaceutical Product and Process Development (P3D2016)” on 09-10th September 2016 at BIT Campus, Anna University, Tiruchirappalli- 97 participants.
- Technical Education Quality Improvement Programme (**TEQIP-II**) sponsored **Industrial Workshop** entitled “Challenges and Opportunities in Chemical and Pharmaceutical Industries” on 02-03rd September 2016 at BIT Campus, Anna University, Tiruchirappalli- 103 participants.
- Technical Education Quality Improvement Programme (**TEQIP-II**) sponsored English **Workshop** entitled “Corporate Skills” on 17th March 2017 at BIT Campus, Anna University, Tiruchirappalli - 103 participants.
- One day Technical Symposium entitled “Enhancing the Employability skills and Entrepreneurship qualities for the emerging Pharmaceutical Technocrats (4EPT)” on 22nd September 2017 at University College of Engineering, BIT Campus, Anna University, Tiruchirappalli - 103 participants.
- Two days Seminar on “**Challenging Perspectives in Pharmaceutical Technology**” on 21 & 22 February 2020 at University College of Engineering, BIT Campus, Anna University, Tiruchirappalli- 110 participants.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

1. Participated Seven Days International Online Faculty Development Programme on Microscopy- An Overview (Phase II) organized by the Department of Microbiology, Sacred Heart College, Tirupattur in association with Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis, Western Rio Janeiro State University, Brazil from 24- 31 May 2023.
2. Four-week Faculty Induction/Orientation Programme for “Faculty in Universities / Colleges / Institutes of Higher Education” organized by Teaching Learning Centre Ramanujan College, University of Delhi In collaboration with Army Institute of Education (AIE) Affiliated to Guru Gobind Singh Indraprastha University, Delhi from 23rd April to 22nd May 2023.

3. Naan Mudhalvan Scheme Faculty Development programme on Smart and Advance Manufacturing - Design & Simulation organized by TANSAM at SRM TRP Engineering College during 13th – 17th February, 2023.
4. Online NPTEL-AICTE Certification Faculty Development Programme on “Teaching and Learning in General Programs” from 25 Jul 2022- 19 Aug 2022.
5. Online NPTEL-AICTE Certification Faculty Development Programme on “Essentials of Biomolecules: Nucleic Acids and Peptides” from 24 Jan 2022- 15 Apr 2022.
6. Online NPTEL-AICTE Certification Faculty Development Programme on “Introduction to Professional Scientific Communication” from 24 Jan 2022- 18 Feb 2022.
7. Online NPTEL-AICTE Certification Faculty Development Programme on “Medicinal Chemistry” from 18 Jan 2021- 09 Apr 2021.
8. Organized :**Alumni Webinar Series**

Lecture 1: ‘Strategic skills for career paths in pharmaceutical industry’, Mr. P.RamaKrishna, Manager, International Marketing – API, SMS Pharmaceutical Ltd. Bengaluru on 08-05-2021 from 5.00 P.M. to 6 P.M.

Lecture 2: ‘Paces To Knock Out Foreign Opportunities’, Ms. Harini Premkumar, Level – I Pharmaceutical Validation Scientist, Therapure Biopharma Inc., Canada, on 24-05-2021 from 9.00 am to 10.30 am.

Lecture 3: ‘Contribution of Curriculum in Building Process Engineers for Pharmaceutical/API industries’, Mr. M. MADHAN, Deputy Manager-Process Engineering and Technology Transfer, BIOCON Limited, Bengaluru on 30-05-2021 from 4.00 pm to 5.30 pm.

Lecture 4: ‘Research Opportunities for Pharmaceutical Technocrats’ Mr. Vivek Ananth, Research scholar, Computational Biology groups from Institute of Mathematical Sciences (IMSc), Chennai on 06.06.2021 from 10.30 am to 11.30 am.

Lecture 5: ‘The basic characteristics & skills requirement to become a successful Entrepreneur’ Mr.SIVA M, Pharmaceutical Entrepreneur, Muthra Global, Chennai on 12.06.2021 from 04.00 pm to 05.00 pm.

Lecture 6: ‘Role of Quality in Pharmaceutical Industry’ Mr. S. Ramesh, Senior Research Executive-R&D, Solara Research Center, Chennai, on 18.06.2021 from 5.00 pm. to 6.20 pm.

9. One week (Online Due to COVID) AICTE-QIP Short Term Training Programme on “Recent Advances in Stem Cells and Tissue Engineering” organized by Stem Cell and Molecular Biology laboratory, Bhupat and Jyoti Mehta School of Biosciences, Department of Biotechnology, Indian institute of Technology Madras, Chennai from 24.08.2020-28.08.2020.
10. Three weeks Industrial Training on “Communication and Networking Technologies” organized by Rajiv Gandhi Memorial Telecom Training Centre, (RGM TTC), BSNL Tamilnadu Telecom Circle, Chennai from 30.07.2020 - 19.08.2020.
11. 5-days on-line workshop on “SWRO, SCRO & SRO Incorporating Universal Human Values in Technical Education” organized by AICTE, New Delhi from 18.07.2020 – 22.07.2020.
12. Online Faculty Development Programme (FDP) on “Artificial Intelligence” organized by AICTE Training and Learning (ATAL) Academy and The Federation of Indian Chambers of Commerce and Industry, Delhi from 15.06.2020 - 19.06.2020.
13. Two weeks Online Faculty Development Programme (FDP) organized by B.S. Abdur Rahman Crescent Institute of Science & Technology, School of Life Sciences and Tamil Nadu State Council for Science and Technology (TNSCST) on “Multiomics and Traditional Approaches to Combat COVID-19/ Virus Outbreak” from 21.05.2020 – 03.06.2020
14. Online NPTEL-AICTE Certification Faculty Development Programme on “Computer Aided Drug Design” between 06 Aug 2018- 07 Oct 2018.
15. TEQIP II sponsored Faculty Development Program on “Implications of Chemical and Biological Sciences in Biotechnology” organized by the Department of Biotechnology, at Anna University (BIT Campus), Tiruchirappalli during 22nd June- 05th July 2016.
16. TEQIP II sponsored Faculty Development Program on “Frontiers Research in Applied Sciences” organized by the Department of Chemistry at Anna University (BIT Campus), Tiruchirappalli during 03rd -16th June 2015.
17. Attended UGC sponsored 81st Orientation Programme at UGC- Academic Staff College, Bharathidasan University, Tiruchirappalli during 06th November – 03rd December 2013.
18. Attended One-week short term course on New Avenues in Chemical Sciences Research held at National Institute of Technology, Tiruchirappalli from 18th – 22nd March 2013.
19. Attended and participated in the DBT sponsored Short term training course on Hands on Training on Biopharmaceutical Approaches in plant based Drug Discovery held from 02nd -16th May 2012 at Anna University – BIT campus, Tiruchirappalli.

➤ **National / International Conferences organized / Participated:**

1. Participated in the National Webinar on the topic “3D’s (Drug Design, Drug Development, Drug Analysis) in Pharmaceutical Research” organized by the Department of Pharmaceutical Chemistry, Sri Ramachandra Faculty of Pharmacy, Sri Ramachandra Institute of Higher Education and Research in association with Anchrom Enterprises (I) Pvt Ltd on 21 August 2021.
2. Participated in the XIIIth Faculty Development Program (Focused Workshop) organized by Sri Ramachandra Faculty of Pharmacy, Sri Ramachandra Institute of Higher Education and Research in association with Anchrom Enterprises (I) Pvt Ltd on 08 June 2021.
3. Participated in a Three-day virtual workshop Drug Design & Molecular Modelling Workshop organized by the Department of Biotechnology, School of Bio and Chemical Engineering, Kalasalingam Academy of Research and Education, Krishnakoil from 08-10 January 2021.
4. Participated in International Webinar on "Covid19 - Role of Public Health Scientist: From Clinical Sampling to Sequencing" organized by the Department of Pharmaceutical Technology, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 15th July 2020 at 02.30- 04.00 p.m.
5. **Participated** in Webinar on "**Emotional Well Being During E-Learning**" organised by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology in association with Kavithalaiyaa Counseling Centre, Chennai on 14th July 2020 at 11.00. a.m.
6. **Participated** in National Webinar Series-II entitled, “**Self-amplifying RNA (saRNA) Technology - A Potential Vaccine Strategy**” organized by Pannai College of Pharmacy, Dindigul on 12 July at 11.00.a.m.
7. **Participated** in International Webinar on “**Artificial Intelligence - Pharmaceutical Applications, Current Challenges and Future Directions**” organised by Department of Pharmaceutics in Association with Hindu College of Pharmacy Alumni Association, Hindu College of Pharmacy, Guntur on 11 July 2020 from 9.00 a.m
8. **Participated** in Webinar on “**A Recent Insight on Intellectual Property Rights in INDIA, USA and EUROPE**”, organized by the Department of Pharmaceutical Technology, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 6th July 2020 at 03.00 - 04.00 p.m.
9. **Participated** in Webinar on “**DBT's Response to COVID-19**” organised by the DBT in association with Wellcome Trust India Alliance on 3 July 2020 from 4.30 -5.30 p.m.
10. **Participated** in Webinar on **Application of bioinformatics in drug discovery**” organized by Faculty of Engineering, Department of Biotechnology, Karpagam Academy of Higher Education, Coimbatore on 03 July 2020.

11. **Participated** in Virtual Workshop on “**Biologically Inspired Nanomaterials**” organized by Kalasalingam Academy of Research and Education, Krishnankoil on 30 June 2020 from 9.00 a.m - 4.30 p.m.
12. **Participated** in Webinar on “**Funding Opportunities in Biotechnology**” organized by PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli on June 27th, 2020 from 11.30 am - 12.30 pm.
13. **Participated** in Webinar on “**Nanotechnology and its Industrial Applications**” organized by the Department of Mechanical Engineering, Mookambigai College of Engineering on 20th June 2020.
14. **Participated** in Webinar on “**Building a Healthcare solution for India: The Innacel Story**”, by Mr. A.Vijayarajan, Founder & CTO, Innacel Technologies Pvt. Ltd., organized by DErBI Foundations, Bengaluru on 13 June 2020 at 10a.m-11.a.m.
15. **Participated** in Webinar on “**Future Perspectives in Biotechnology**” organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology in association with Unnat Bharath Abhiyan on 11-12 June 2020.
16. **Participated** in Webinar on “**Opportunities in Medical Devices Development - Post COVID'19**” organized by Department of Electronics and Communication Engineering, University College of Engineering Ariyalur on 06 June 2020.
17. **Participated** in Webinar on “**Affordable Healthcare Solutions: Need of the Hour**”, by Dr.Shyam Vasudevarao, Founder Director, Forus Health, Renalyx Health Systems, Rx Digi Health Platforms, organized by DErBI Foundations, Bengaluru on 06 June 2020.
18. **Participated** in Webinar on “**English Language Teaching**” organized by the Department of English University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 4th June 2020 at 11.00 a.m.
19. **Participated** in Webinar on “**Digital Healthcare in a New World Order**”, by Mr.Ravi Ramaswamy, Sr. Director & Head – Health Systems, Philips Innovation Campus, organized by DErBI Foundations, Bengaluru on 30 May 2020 at 10a.m-11.a.m.
20. **Participated** in Webinar on “**Reimaging Patient Care: The Nextgen Hospitals**”, by Dr.Sathish Rath, Chief of Innovation and Research, Aster DM Healthcare, organized by DErBI Foundations, Bengaluru on 23 May 2020 at 10a.m-11.a.m.
21. **Participated** in Webinar on “**COVID 19 and the Digital World**” organized by Centre for Innovations in Public Systems (CIPS), Hyderabad on 22 May 2020.
22. **Participated** in Webinar on “**HPTLC and Botanical Origin Material Analysis**” organized by Anchrom Enterprises (I) Pvt. Ltd. on 15 May 2020 from 2.30- 4.00 p.m.

23. **Participated** in DBT Sponsored “**International Conference on Frontiers in Chronic Diseases**” (ICFCD’20) organized by PG & Research Department of Zoology, Bishop Heber College, Tiruchirappalli on 19th February 2020.
24. **Participated** in **APP 7th Annual Convention & INDO - US Conference** on “Modern Trends, Current Challenges and Future Scenario of Pharmaceutical Sciences and Technology” organized by the Department of Pharmaceutical Chemistry & Analysis and Department of Pharmaceutics, School of Pharmaceutical Sciences, Vels Institute of Science Technology and Advanced Studies in collaboration with Association of Pharmacy Professionals on 27th July 2018 at VISTAS - Pallavaram Campus.
25. **Participated and presented (Oral)** a research article entitled “HDAC8 targeted computer aided drug design and *in silico* study of hydroxamic acid derivatives for the effective treatment of cutaneous T cell lymphoma” in the **International Conference on “Innovations and Challenges in Biomedical Sciences Research”** organized by DST-FIST funded PG & Research Department of Biotechnology & Bioinformatics, Holy Cross College from 12th- 14th December 2017.
26. Attended a Workshop on “Advances in Rheology” organized by the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli in association with Anton Paar India Pvt. Ltd. Gurgaon on 08th August 2016.
27. Attended a One day Workshop on “Research Methodology” organized by the Centre of Faculty Development, Anna University, Chennai on 27th January 2015.
28. Attended IPEX-2014-Conference and Exposition on Emerging trends in IP Management and Commercialization, organized by the Andhra Pradesh Technology Development & Promotion Centre and Tamil Nadu Technology Development & Promotion Centre of Confederation of Indian Industry at Hotel Hilton, Chennai during 05th -06th September 2014.
29. Participated in the State Level Conference & Rally organized by the Indian Pharmacists Association held at Parimalam Mahal, Erode on 23rd March 2014.
30. Participated in Royal Society of Chemistry- South India sponsored Workshop on Photocatalysis for Sustainability: Fundamentals and Applications organized by the Department of Chemistry, Anna University (BIT Campus), Tiruchirappalli on 09th October 2013.
31. Participated in National Seminar on Intellectual Property Rights and Biotechnology held at Anna University –BIT campus, Tiruchirappalli on 22nd February 2013.
32. Participated in One day Workshop on “Troubleshooting in HPLC Techniques” organized by the Department of Pharmaceutical Technology, Anna University of Technology, Tiruchirappalli on 10th September 2011.

33. Participated in the National Workshop on “X-Ray Crystallography” organized by PG & Research Department of Biotechnology & Bioinformatics held at DBT-BIF Centre, Holy Cross College, Tiruchirappalli on 25th-26th August 2011.
34. **Participated and presented** a poster entitled “Evaluation of the coumarin hydroxamates as better HDAC inhibitor class through descriptor analysis and binding energy calculations” in the **98th Indian Science Congress 2011** held at SRM University, Chennai from 3rd -7th January 2011.
35. **Participated and presented** a poster entitled “Design, Synthesis and characterization of Indole amide hydroxy hexanamide derivatives as potential HDAC inhibitors” in **UGC/CSIR&DST** sponsored National Seminar on “**New Frontiers in Chemistry**” organized by the Department of Chemistry, Annamalai University, Chidambaram on 15th -16th March 2010.
36. Participated in an **UGC** sponsored one day National level workshop on “Synthon Approach: The Theory and Practice” 20th Feb 2010 Annamalai University, Chidambaram.
37. **Participated and presented** a poster entitled “Synthesis, Method development and Validation of substituted indole containing amide derivatives as Histone Deacetylase Inhibitors” in ICMR sponsored National seminar on “**Drug discovery from Medicinal Plants**” held at Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, Srivilliputhur on 6th & 7th November 2009.
38. Participated in an AICTE sponsored National Seminar on “**Future trends in Drug delivery Technology for Global Trade of Pharmaceuticals**” at Swamy Vivekananda College of Pharmacy, Tiruchengode, Nammakal on 23rd & 24th July 2009.
39. **Participated and presented** a poster entitled “Wound Healing Potential of *Psammaphysilla purpurea*: A Pharmacological & Biochemical Evaluation” in an “**International Herbal Conference - 2009 on “Herbal Medicine- Evaluation of Quality, Efficacy and Safety**” organized by Association of Pharmaceutical Teachers of India in association with Rajiv Gandhi University of Health Sciences, Karnataka supported by School of Natural Product Studies, Jadavpur University, Kolkata on 26th -28th February 2009.
40. Participated in a two day Technical Workshop on “**Recent Advances in HPLC Techniques**” organized by Center for Academic Excellence, Anna University, Trichy on 29th & 30th March 2007.
41. **Participated and presented** an oral paper entitled “Wound healing activity of seed extract of *Annona reticulata*” in State Level Seminar on “**Current Scenario in Biological Sciences**” conducted by Pavender Bharathidasan College of Arts & Sciences, Trichy on 20th Feb. 2007.
42. **Participated and presented** an oral paper entitled “Evaluation of Therapeutic Drug Monitoring of Glimperide with & without ACE Inhibitors in Type 2 Diabetic Patients” in National Symposium on “**Phyto-Pharmaceuticals- In the Indian Scenario**” organized by the Department of Pharmaceutical Chemistry, Periyar College of Pharmaceutical Sciences for Girls, Trichy held during 05th -06th January 2007.

43. Participated in the National Conference on “**Good Clinical Practice**” organized by the Department of Pharmacy Practice, KMCH College of Pharmacy, Coimbatore held during 07th -08th January 2006.
44. Attended 57th **Indian Pharmaceutical Congress** held at Hitex, Hyderabad on 02nd -04th Dec. 2005.
45. Participated in the one-day workshop on Recent Trends in Drug Information Services organized by the Department of Pharmacy Practice, Periyar College of Pharmaceutical Sciences for Girls, Trichy on 18th November 2005.
46. Attended National seminar on “**Clinical Pharmacokinetics**” organized by J.S.S College of Pharmacy & Indian Pharmaceutical Association, The Nilgris Branch, Ooty on 18th March 2005.
47. Attended “**55th Indian Pharmaceutical Congress 2003**” held at Sri Ramachandra Medical College & Research Institute, Chennai on 19th - 21st Dec. 2003.
48. Attended “**International Congress of Indian Pharmacy Graduates 2003**” held at Annamalai University, Chidambaram on 08th & 09th Nov.2003.
49. Participated in the Science Expo 2003 - a Mega Science Exhibition organized by Srimad Andavar Arts & Science College Trichy during 31st January -01st February 2003.
50. Attended workshop on “**Medicinal Plants- Prospectus & Challenges**” organized by the Department of Pharmacognosy, Periyar College of Pharmaceutical Sciences for Girls, Trichy during 21st -22nd December 2002.
51. Attended workshop on “**Leadership Excellence**” organized by Lioness Club of Trichy and Training & Placement cell of Periyar College of Pharmaceutical Sciences for Girls, Trichy on 05th September 2002.

1. Professional recognitions: (details like chairperson/member of a committee, reviewer, editor ...etc)

(A) Chairperson for conferences / Seminar / Technical symposia:

1. Acted as Chairperson & External expert for an oral/poster presentation at National Conference on “*Integrated Approaches in Drug Discovery and Development (IADD) Phytodrugs -2023*” on 16th & 17th Feb 2023 organised by Department of Biotechnology in association with SERB, New Delhi .
2. Acted as Evaluator for the e- presentations on 11th June 2022 for the National Level Virtual Symposium on “Extant Scenario in Pharmaceutical Sciences” organized by Srinivasan College of Pharmaceutical Sciences, Samayapuram, Trichy, Tamilnadu, India.
3. **Participated** in National Level Quiz on NBA, organized by Padmabhushan Vasantdada Patil Pratishthan’s College of Engineering, Mumbai on 05 June 2020.

4. **Participated** in Online Quiz on Knowledge in Covid -19 Self-Awareness and Safety with Food Diet for Pandemic Situation organized by the Department of Biotechnology, Vel Tech High Tech Dr. Ranagarajan Dr. Sakunthala Engineering College, Chennai on 25th May 2020.
5. Acted as **Judge** for the 55th A.D. SHROFF Memorial Inter- Collegiate Elocution Contest for the year 2019-2020 organised by the Tiruchirappalli-District Chamber of Commerce at Cauvery College, Annamalai Nagar, Trichy on 20th September 2019.
6. Acted as an **Evaluator** for the poster presentation session of the DST and DBT sponsored 5th Annual International Convention of Association of Pharmacy Professionals held in the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli during 22nd and 23rd January 2016.
7. Acted as **Judge** for the 51st A.D. SHROFF Memorial Inter- Collegiate Elocution Contest for the year 2015-2016 organised by the Tiruchirappalli-District Chamber of Commerce at Cauvery College, Annamalai Nagar, Trichy on 16th October 2015.
8. **Member** of Organising Committee in the Collaborative International Conference [Jointly organized by the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli, Nanomedicine Research Centre, University of South Florida, USA and Department of Biotechnology, Mother Theresa Women's University, Kodaikanal held during 27th-29th June 2013.
9. **Coordinator** of National Level Technical symposium "PANACEA'13" organized by the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli on 20th April 2013.
10. **Coordinator** of National Level Technical symposium "PANACEA'14" organized by the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli on 25th – 26th March 2014.
11. **Coordinator** of National Level Technical symposium "PANACEA'17" organized by the Department of Pharmaceutical Technology, Anna University (BIT Campus), Tiruchirappalli on 04th -05th April 2017.
12. Acted as **Judge** for the paper presentation in the National Education Day celebration organized by the Centre for Academic Excellence, Anna University Tiruchirappalli on 11th November 2009.
13. Acted as **Presiding Officer** in General Elections to Lok Sabha- 2014 for Manachanallur Assembly Constituency on 24th April 2014.
14. **NSS Volunteer** at Periyar College of Pharmaceutical Sciences for Girls, Trichy during 07th -17th March 2003.

(B) Guest lectures delivered:

1. On the entitled "Understanding Human Values" for First year Induction Programme organized by the

Department of Mechanical Engineering, University College of Engineering (BIT Campus), Anna University Tiruchirappalli on 13.11.2020.

2. On the entitled “Understanding Human Values” for First year Induction Programme organized by the Department of Pharmaceutical Technology, University College of Engineering (BIT Campus), Anna University Tiruchirappalli on 17.11.2020.
3. On the entitled “Understanding Human Values” for First year Induction Programme organized by the Department of Electronics and Communication Engineering, University College of Engineering (BIT Campus), Anna University Tiruchirappalli on 18.11.2020.
4. For the session entitled “Conversation with Scientist” in a District-level Science Festival organized by the Tamilnadu Science Forum on 21st October 2018 at St.Joseph College Higher Secondary School, Tiruchirappalli.
5. On the title entitled “**Is Cancer, Genetic or Environmental?**” in a Colloquium Series organized by the Department of Environmental Management, Bharathidasan University, Tiruchirappalli on 28th September 2018.
6. On the title entitled “**Identification of HDAC8 specific inhibitors: The promise of epigenetic treatments for cancer**” in the National Seminar on “Current Scenario in Drug Discovery and Development” organized by the Department of Pharmacology, KTN College of Pharmacy, Kerala and funded by the Science and Engineering Research Board (SERB), DST, Government of India on 04th March 2017.
7. On the title entitled “Life skills” organized by Team Life Sciences, Dindigul on 10th October 2016.

(C) Journal Reviewer:

1. Naunyn-Schmiedeberg's Archives of Pharmacology, Springer nature, July 2023.
2. Scientific Reports, Springer nature, July 2023.