

CURRICULUM VITAE

Dr.R.Vijaya

Assistant Professor (Sl.Gr.)

Department of Pharmaceutica Technology

UCE, Anna University, BIT Campus, Tiruchirappalli 620 024

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➤ **Research Area:**

- Pharmaceutical sciences, Drug delivery, Transdermal, Nanotechnology.

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Pharmaceutical Engineering and Technology)	Bharathidasan University, Trichy, India.	2012	N/A	N/A
M.Pharm (Pharmaceutical Sciences)	Dr.H.S.Gour Vishwavidyalaya, Sagar, Madhyapradesh	2000	68	First
B.Pharm	Periyar College of Pharmaceutical Sciences for Girls, Trichy.	1998	72	First
Diploma in Educational Management	Indian Institute of Management & Technology, Chennai.	2002	73	First

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year(s)
UCE, Anna University, BIT Campus, Tiruchirappalli	Assistant Professor (Sl.Gr.)	19/8/2018	Till date	6y 6m
UCE, Anna University, BIT Campus, Tiruchirappalli	Assistant Professor (Sr.Gr.)	19/8/2013	18/8 2018	5
UCE, Anna University, BIT Campus, Tiruchirappalli	Assistant Professor	19/8/2009	18/8 2013	4
AU-T, Tiruchirappalli	Lecturer	11/8/2008	18/8/2009	1
AU-T, Tiruchirappalli	Teaching Research	1/8/ 2007	10/8/2008.	1

	Fellow			
Pallavan Pharmacy College, Kanchipuram	Assistant Professor	28/3/2003	20/3/2007	4
Periyar College of Pharmaceutical Sciences for Girl's , Tiruchirappalli	Lecturer	10/6/ 2002	22/3/2003	0.75
Swamy Vivekananda College of Pharmacy, Tiruchengode.	Lecturer	09/7/2001	09/6/2002	0.92

➤ **Awards / Honours Received:**

- GATE qualified in the year Feb'1998
- Recipient of UGC fellowship for PG
- First prize in oral paper presentation, International conference on drug delivery, PSG College of pharmacy, Coimbatore, 29-30th January 2010.
- Best oral paper presentation entitled "Development and Evaluation Lamotrigine Incorporated Nanofibrous Film for Buccal Delivery" in two days National Conference on "Global Perspective in Pharmaceutics and Pharmacy Practice" organised by Faculty of Pharmacy, Karpagam Academy of Higher Education, Coimbatore during 7th & 8th December 2023.
- Certificate of appreciation for producing 100% result in the subjects Drug Regulatory Quality and safety evaluation, Creativity innovation and new product development, Biogenerics and biopharmaceuticals for the academic year 2018 2019.
- Certificate of appreciation for producing 100% result in the subject physical pharmaceutics, Industrial safety during Nov – Dec 2020
- Certificate of appreciation for producing hundred percent result in the subject Drug Regulatory Quality and safety evaluation, Technology of semisolid dosage forms, Professional ethics in engineering and Nutraceuticals during Apr – May 2021
- Certificate of appreciation for producing 100% result in the subject physical pharmaceutics, Industrial safety during Nov – Dec 2021
- Certificate of appreciation for producing 100% result in the subject Industrial safety, Pharmaceutical Packaging Technology, Protein structure function and proteomics and Pharmaceutical Microbiology during Nov – Dec 2022
- Certificate of appreciation for producing 100% result in the subject physical pharmaceutics during Apr – May 2023

➤ **Academic Responsibilities at University:**

- **Class advisor**
- **Anna University Representative for the semester examination**
- **Paper valuation**
- **Syllabus revision**
- **Question paper setting**
- **Conduct of semester practical examination**
- **Subjects handed**

Physical Pharmaceutics, Physical Pharmaceutics Laboratory, Regulatory Requirements in Pharmaceutical Industries, Controlled Drug Delivery Systems,

Validation and Regulatory Affairs in Pharmaceutical Industries, Mass Transfer operations, Advanced Genetic engineering, Pharmaceutical Production Management, Technology of semisolid dosage forms, Nutraceuticals, Industrial safety, Technology of sterile dosage forms, Protein structure function and proteomics, Pharmaceutical microbiology, Formulation & Analytical techniques Laboratory, Biopharmaceutics and Pharmacokinetics Lab, Pharmaceutical Dosage Form laboratory, Bioprocess Engineering, Preformulation Technology, Pharmaceutical Packaging Technology, Analytical techniques for pharmaceutical biotechnology laboratory, Water sanitation health and hygiene, project report writing, human values and ethics, Naan Mudhalvan(Piping design).

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

- Registered Pharmacist - 3443A1, 3/8/1998
- Indian Pharmacists Association – Life, No: 0305 , 14/12/2005
- Indian Society of Technical Education (ISTE) – Life, No: LM 34365 , 2002
- Indian Pharmaceutical Association (IPA) – Life, No: TN/MDS/LM/0185 certificate dt: 22/3/2002
- Association of Pharmacy Teachers India (APTI) – Life member – No.TN/LM – 600, 20/7/2016
- Association of Pharmacy Professionals (APP) - APP/TN/LM-156/22, 12/2/2022

➤ **Fellowships and Grants received:**

- PI for ICMR-SRF project entitled "Development of new combinational strategy of methotrexate and minocycline: A Novel lipid based drug delivery system for effective management of Rheumatoid Arthritis" 2018 - 2021
- Faculty seed grant of Rs.50,000/- under TEQIP II during the year July 2016.
- TEQIP II funded (Rs.10, 000/-) 2015-2016, UG project entitled “Development of Solid Lipid Nanoparticles (SLN) Containing Methotrexate and Doxycycline for Improved Treatment of Rheumatoid Arthritis.
- Enhancing the treatment efficacy of an antidepressant by formulation as transdermal film using eudragit polymers. Fund Rs. 6000, Tamilnadu State Council for Science and Technology, Student Projects – 2010 -2011.

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 17
- b. Number of UG Project Completed: 36

➤ **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.	Mr.J.Kumar	Development of novel nano formulations for the effective treatment of Rheumatoid arthritis)	2015	21/9/2020

• **Publications:**

a. **Books / book chapters:**

- Applications of artificial intelligence in drug delivery systems, Vijaya Rajendran, Carolin Lincy B.J., Gothanda Raman G, Kirubakaran Narayanan, Leena

Chacko, Mullaicharam Bhupathyraaj, Kiruba Mohandoss, and Hanan Fahad Alharbi, in Book Artificial Intelligence in Pharmaceutical Sciences, Edited by Mullaicharam Bhupathyraaj, K. Reeta Vijaya Rani and Musthafa Mohamed Essa, 2024, Taylor & Francis

- Role of Artificial intelligence and machine learning in nanosafety, Vijaya Rajendran, Subha Sri Ramakrishnan, Ronaldo Anuf A., and Kiruba Mohandoss in Book Artificial Intelligence in Pharmaceutical Sciences, Edited by Mullaicharam Bhupathyraaj, K. Reeta Vijaya Rani and Musthafa Mohamed Essa, 2024, Taylor & Francis
- Investigation on potential of nanoemulsion in nanocosmeceuticals, R.Vijaya and J.Muthu Mohamed, In Book Nanocosmeceuticals:Innovation, Application, and Safety, Editor Malay.K.Das, 2022, Pages 319-326, Academic press, Elsevier, Available online 26 August 2022, ISBN: 978-0-323-91077-4, DOI: <https://doi.org/10.1016/C2020-0-03966-6>.
- Topical Herbal NANO Delivery System with Emphases on Boswellic Acid. R. Vijaya, Karuppaiyan Kavitha & Jamal Moideen Muthu Mohamed, In Book ADVANCES IN SCIENCE, TECHNOLOGY AND INNOVATIONS, January, 2022, Page no: 1-21 ISBN: 978-93-93737-59-5, First edition , Editor in Chief:Dr. M. Anusuya, Associate Editors:Dr R Rekha & Dr V Mohan.
- Nanoemulsion in vaccine development for Transdermal delivery in the book Novel materials for emerging applications, Jamal Moideen Muthu Mohamed, Thirunavukkarasu Sivaraman, Sandip Mondal, Dharmalingam Sudhahar1 and R Vijaya*, Shanlax publications, 66, v.p. complex, t.p.k main road, near kvb, vasantha nagar, Madurai -625003, Tamilnadu, India. ISBN: 978-93-91373-10-8, October 2021. Edited by Dr M Anusuya, Dr B Yogeswari, Dr N Thangaraj

b. International Journals:

- Mohamed, J. M. M., Khan, B. A., Rajendran, V., El-Sherbiny, M., Othman, G., Hussamuldin, A. B. A., & Al-Serwi, R. H. (2022). Polymeric ethosomal gel loaded with nimodipine: Optimisation, pharmacokinetic and histopathological analysis. *Saudi pharmaceutical journal*, 30(11), 1603-1611. doi.org/10.1016/j.jsps.2022.09.003
- Mohamed, J. M. M., Alqahtani, A., Kumar, T. V. A., Fatease, A. A., Alqahtani, T., Krishnaraju, V., & Vijaya, R. (2021). Superfast synthesis of stabilized silver nanoparticles using aqueous Allium sativum (garlic) extract and isoniazid hydrazide conjugates: molecular docking and in-vitro characterizations. *Molecules*, 27(1), 110. doi.org/10.3390/molecules27010110. Impact factor:4.411
- Janakiraman, K., Krishnaswami, V., Sethuraman, V., Rajendran, V., & Kandasamy, R. (2021). Liquid Chromatographic Analysis of Methotrexate and Minocycline-relevance to the Determination in Plasma/Nanoparticulate Formulations. *Current Chromatography*, 8(1), 21-32. DOI:10.2174/2213240608666210903143432
- Mohamed, J. M. M., Alqahtani, A., Al Fatease, A., Alqahtani, T., Khan, B. A., Ashmitha, B., & Vijaya, R. (2021). Human hair keratin composite scaffold: characterisation and biocompatibility study on NIH 3T3 fibroblast

cells. *Pharmaceuticals*, 14(8), 781. <https://doi.org/10.3390/ph14080781>, Impact Factor: 5.215,

- Janakiraman, K., Krishnaswami, V., Sethuraman, V., Natesan, S., Rajendran, V., & Kandasamy, R. (2020). Development of Methotrexate and Minocycline-Loaded Nanoparticles for the Effective Treatment of Rheumatoid Arthritis. *AAPS PharmSciTech*, 21, 1-17. Impact Factor: 2.608. DOI: 10.1208/s12249-019-1581-y.
- Janakiraman, K., Krishnaswami, V., Sethuraman, V., Rajendran, V., & Kandasamy, R. (2019). Development of methotrexate-loaded cubosomes with improved skin permeation for the topical treatment of rheumatoid arthritis. *Applied Nanoscience*, 9, 1781-1796. doi.org/10.1007/s13204-019-00976-9. Impact factor 2.951
- R, Vijaya & R, Ram. (2018). Development and In Vitro Characterization of Solid Lipid Nanoparticles (SLN) Containing Methotrexate And Doxycycline. *International Journal of Drug Delivery Technology*. DOI: 10.25258/ijddt.8.3.4, Impact Factor:1.529.
- Janakiraman, K., Krishnaswami, V., Rajendran, V., Natesan, S., & Kandasamy, R. (2018). Novel nano therapeutic materials for the effective treatment of rheumatoid arthritis-recent insights. *Materials Today Communications*, 17, 200-213. SNIP- 0.726 doi.org/10.1016/j.mtcomm.2018.09.011
- Vijaya, R.; Gurunaath, P.; Krithiga, S.; Vijayalakshmi, S. (2018). Effect of nanoemulsion on antibacterial potential tinidazole: preparation and in-vitro characterization. *Indo Global J. Pharm. Sci.*, 8(3), 115-118. DOI:10.35652/IGJPS.2018.115118 GIF: 0.675
- R.Vijaya, M.R.Arunkumar, G. Elamathi, T.Senthilkumar, A. Bhuvaneshwari, Formulation and *In vitro* Characterization of Coconut Oil Nano Emulsion for Efficacious Hair Cosmetics, *IJRPP*, special articles 2016, Anna University, pages 130 -134, ISSN 2278-2648, e ISSN 2278-2656. SJIF: 4.4 (2013)
- Rajendran, V. (2016). Effect of niosomes in the transdermal delivery of antidepressant sertraline hydrochloride. *J Sci Innov Res*, 5(4), 138-143.
- R.Vijaya, G. Aswini and S. Madheshwaran. (2016). Development and In Vitro Characterization of Nanoemulsion As Adjuvant For The Administration Of Vaccine Using A Model Antigen. *Int.Res.J.Pharm.*, 7(7), 43-49. doi.org/10.7897/2230-8407.07783, GIF 0.765
- Vijaya R. and Rajagopal R., (2015). Development And In Vitro Evaluation Of Microemulsion For Two Different Log P Compounds, *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(11), 1550-1564. SJIF: 5.210. Cosmos Impact Factor2015 : 4.654
- Vijaya R, Bhalamurugan G L, (2015). Preparation and In Vitro Evaluation of Hydroxy Propyl Methylcellulose Films for Transdermal Delivery of Sertraline Hydrochloride, *International Journal of Research and Development in Pharmacy & Life Sciences*, 4 (4), 1673 -1678. ICV= 5.48, GIF: 0.764
- Vijaya, R., Pratheeba, C., Anuzvi, A., Sanoj, V., & Kumar, J. (2015). Study of The Hydroxy Propyl Methyl Cellulose (HPMC) Combinations in the Development of Transdermal Film for Amitriptyline HCL and their *in vitro* Characterization. *International Journal of Pharmaceutical, Chemical & Biological Sciences*, 5(3), 548 – 556. GIF: 0.478 (2012).

- Vijaya, R., Kumar, S. S., & Kamalakannan, S. (2015). Preparation and *in vitro* evaluation of miconazole nitrate nanoemulsion using tween 20 as surfactant for effective topical/transdermal delivery. *JCPS*, 8(1), 92-98.
- Vijaya, R., Maheshwari, U., & Bharathi, J. (2015). Development and *in vitro* evaluation of Eudragit E100 and PVP based matrix films for the transdermal delivery of Repaglinide. *Pharma Innov. J*, 3, 16-23. IF: 0.324
- Vijaya, R., Manjunath, M. N., & Umamaheswari, S. (2012). Formulation and evaluation of transdermal films of anti depressant drug amitriptyline hydrochloride using Eudragit E100, HPC and PVP polymers. *International Journal of Pharmacy and Pharmaceutical Sciences*, 4(2), 639-643. IF:1.59
- Vijaya, R., Sureshkumar, S., Umamaheswari, S., Prakash, M., Senbagapriya, T., & Umamaheswari, A. (2012). Preparation of amitriptyline hydrochloride films using eudragit RL 100 and hydroxypropyl methyl cellulose polymers and their *in vitro* evaluation for effective transdermal delivery. *International Journal of Life Science and Pharma Research*, 2(2), 7-15.
- Vijaya, R., & Ruckmani, K. (2011). *In vitro* and *In vivo* characterization of the transdermal delivery of sertraline hydrochloride Films. *DARU Journal of Pharmaceutical Sciences*, 19(6), 424. IF: 0.778
- Vijaya, R., Jayaraj, T., Pratheeba, C., Anuzvi, A., & Ruckmani, K. (2011). Design and *in vitro* evaluation of hydroxy propyl methylcellulose based transdermal films of amitriptyline hydrochloride. *Journal of Pharmacy Research*, 4(6), 1748-1750. .
- Vijaya, R., Deepa, D., Priya, T. S., & Ruckamani, K. (2011). The development and evaluation of transdermal films of amitriptyline hydrochloride. *Int. J. of pharm and technology*, 3(1), 1920-1933.
- R.Vijaya and K.Ruckmani (2011) Preparation and Evaluation of Sertraline HCl Transdermal Film Using the Adhesive Polymer Eudragit E 100R, *Journal of Pharmacy Research*, 4(4), 1102-1104.

c. National Journals:

- Chourasia, M. K., Vijaya, R., Jain, N., Jain, S. K., Jain, S., & Jain, N. K. (2004). Preparation and characterization of spherical crystal agglomerates for direct tableting by the spherical crystallization technique. *INDIAN DRUGS-BOMBAY*, 41(4), 214-220.
- Ruckmani, K., Chitra, G., Vijaya, R. (2000). Role of clinical pharmacy in health care. *The Eastern Pharmacist*, XLIII(514), 25-28.
- Ruckmani, K., Muneera, M. S., & Vijaya, R. (2000). Eudragit matrices for sustained release of ketorolac tromethamine: formulation and kinetics of release. *Bollettino Chimico Farmaceutico*, 139(5), 205-208.

Patents:

- A Vibro-Thermal Glove for Paralyzed Patients Dr. J Muthu Mohamed, Dr. R. Vijaya, Dr. Rasheed Ahemad Shaik, Dr. Kayamkani Abedulla Khan, Dr. Irfan Ali Mohammed, Dr. Ananda Kumar Chettpalli, Dr. Aziz Unnisa, Dr. Suryakanta Swain, Dr. Rabinarayan Parhi, 2021104766 ,Australia, Published & granted provisional.
- A Method for the Preparation of Transdermal Patch. Dr. J Muthu Mohamed, Dr.P.Premkumar, Dr Uma Nath U, Dr. R. Vijaya, Dr Sandip Mondal, Dr T Venkatachalam, Dr S Kathirvel, Dr S R Senthilkumar, Dr Tama mondal, Dr Palanimuthu Rajivkumar, 202141044032-India, Published

➤ Sponsored Research Projects: nil

•Consultancy Activities: NIL

•List of Seminar / Short Term Course /FDP/ Workshop attended:

1. FDP on Piping Design (Naan Mudhalvan), 10.02.2025 to 16.02.2025 (excluding 11.02.2025), 8301- Government college of Engineering Srirangam, Trichy.
2. Module 1: orientation towards technical education and aspects, Module 2: Professional ethics and sustainability, Module 3: Communication skills, modes and knowledge dissemination, Module 4: Instructional planning and delivery, Module 5: Technology enabled learning and life-long self learning, Module 6: Student assesment and evaluation, Module 7: Creative problem solving, innovation and meaninful R&D, Module 8: Institutional management and administrative procedures, September 2024, AICTE - NITTT- Online
3. Attended three days HPTLC training, 2/4/24 to 4/4/24 at UCE, Anna University, BIT campus, Tiruchirappalli, by ANCHROM Enterprises (i) P.Ltd. Mumbai, Akshay Charegaonkar, Director
4. One day workshop on yoga on 07/03/24 organized by NSS, at UCE, Anna University, BIT campus, Tiruchirappalli
5. One day workshop on Research Proposal Writing at UCE, Anna University, BIT campus, Tiruchirappalli on 22/2/24
6. Evaluator, Scientific presentations in DISS FEST' 2024 Organized by Department of Pharmaceutical Technology, UCE, BIT CAMPUS, Tiruchirappalli on 28/4/2024.
7. AICTE FDP approved NPTEL online certification course Effective engineering teaching in practice (4 weeks from Jan – Feb 2024)
8. Online industrial training programme on product development using polymeric materials in engineering and biomedical applications from 2012/2023 to 4/01/2024 by CIPET: SHARP – Advanved Research School for technology and product simulation, Guindy, Chennai.
9. One day seminar on Guidelines to write high quality research articles for high impact factor journal organized by UCE, Anna University, BIT campus, Tiruchirappalli on 16/11/23
10. 10.03.2023 – 16.03.2023 7 days UGC-Sponsored Online Short Term Course in Quality Assurance and Enhancement in Higher Educationby UGC-HRDC, BDU, Trichy
11. 30/1/2023 to 3/2/2023 5 days AICTE Incorporating Universal Human Values in Education
12. 24 & 25/2/23 -2 days International conference (SKICON 2023) on “Recent Advances in Translational Research and Molecular Medicine” Organized by Shivajirao Kadam Institute of Pharmaceutical Education and Research, Indore.
13. 09.02.23 & 10.02.23 2 days, , Anna University, Chennai and Conducted by University College of Engineering, BIT Campus, Tiruchirappalli.

14. 23/1/2023 to 17/2/2023, 4 weeks AICTE FDP approved NPTEL online certification course – patent drafting for beginners.
15. “E content development concepts and tolls” online one week faculty development program from 19/12/22 to 25/12/22 by Teaching learning center, Ramanujan college, University of New Delhi. Obtained Grade A+.
16. AICTE FDP approved NPTEL online certification course Teaching and Learning in General Programs (4 weeks from 25th July – 19th August 2022)
17. UGC-Sponsored Webinar on National Skills Qualification Framework on 30.06.2022 organized by UGC – HRDC , BDU, Trichy
18. AICTE-FDP, NPTEL online certification course Intellectual Property Rights (12 weeks) from 24th January - 15th April 2022
19. AICTE-FDP, NPTEL online certification course Introduction to Professional Scientific Communication (4 weeks)from 24th January - 18th February 2022
20. E-symposium on “Innovation & Advancement In Topical Product Development” organized by National Institute of Pharmaceutical Education and Research, Kolkata on 25th March 2022.
21. Development of New Combinational Strategy of Methotrexate and Minocycline Nanoparticulate Delivery System for the Effective Management of Rheumatoid Arthritis, APP Women Virtual Oratorion Competition organized by APP Trichy Local Branch, APP Hyderabad Local Branch & APP Comm.Clin.Pharm. Division on 12th Feb’22
22. Research publication and ethics, UGC – HRDC , BDU, Trichy, one week online short term course, 19/1/2022 to 25/01/2022
23. Transdermal Approach of Purified, Nanoemulsified Pertussis Toxin (PT) from Bordetella pertussis STRAIN 134 against whooping cough Disease 2021, 3days International Conference on Nanoscience and Nanotechnology (ICON 2021) organized by department of Physics and Nanotechnology, SRM IST, India During February 01 -03, 2021 in association with Shizuoka University, Japan: National Chiao Tung University, Taiwan, New Zealand: University Of Rome Tor Vergata, Italy:RMIT University, Australia:
24. An overview on gmp for the production of pharmaceutical dosage forms 2021 Webinar on 26th June, 2021 organized by Birbhum Pharmacy school , Bandhersole , Birbhum (W.B), Dr Sibaram Parta, Professor Dr S N Giri
25. On –site HPTLC training organized by Akshay Charegaonkar, Director, Anchorm Entrprises (I) P.Ltd. Mumbai, India On 4/3/21
26. Experience on faculty innovation and entrepreneurship 2021, Webinar conducted by EDII-ABIRF, UCE, Anna University, BIT Campus, Trichy on 25/5/21
27. One day on-site HPTLC training, 3/3/21, ANCHROM Enterprises (i) P.Ltd. Mumbai, Akshay Charegaonkar, Director.
28. E workshop on swayam Mooc & Academic Writing, on 6/1/21 at 4 to 5 pm, Dr Ajay Semalty, hosted by HNB Garhwal University Srinagar Garhwal Uttarakhand.
29. Analytical and Molecular Strategies in Herbal drug research including Herbal Patenting 2021 one week Short term Course in the Department of Pharmacognosy, College of Pharmacy, Mother Theresa Post Graduate & Research Institute of Health Sciences Organizes from 22nd (Thursday) to 29th (Thursday) July 2021

30. Industrial pharmacy-I 2021 12weeks, Swayam online course from 7 sep 20 to 30 nov 2020
31. Development of Human hair Keratin based scaffold for wound Healing applications and its in vitro characterisation 2020. one day UGC Sponsored National Conference on Advanced Functional materials(NCAFM - 2020) Organized by PG& research Department of Physics, National College(Autonomous) Tiruchirappalli, in association with Indian Science and Technology(ISTA) - Elavetil on 13 th February 2020.
32. Knowledge sharing on A to Z of journal publications (survey to citation!!), 30/5/2020, Dr Albert Alexander , M. Habib, Mr Rudra Bhanu Satpathy. Organized By IFRP, Chennai
33. Funding Opportunities in Biotechnology 2020 Webinar on the topic " Funding Opportunities in Biotechnology" delivered by Dr. Meenakshi Munshi, Adviser/Scientist G, Head HRD Societal Program Division, Department of Biotechnology, Government of India organized by PG and Research Department of Biotechnology and Bioinformatics on 27.06.2020, Dr M Rajalakshmi, Dr (Sr.) A Christina Bridget
34. International Webinar titled on "Covid - 19 -Role of Public health scientist : From Clinical samples to Sequencing" delivered by Resource person Dr.Kartyk Moganerdj, Senior Scientist, Public Health England (PHE), Central Sequencing laboratory, London organized by Department of Pharmaceutical technology, University college of Engineering BIT Campus, Anna university, Tiruchirappalli, Tamilnadu, India held on 15th July 2020.
35. Webinar on Pharmacotherapy of SARS - Cov 2 delivered by Dr. A. Meharban, BHMS, MSc, Ph.D Vydehi Institute of Medical Science and research Centre Bangalore on 17-07-2020, Dr A Umamaheswari, Dr A Puratchikody, Dr T Senthil Kumar
36. Webinar on "Idea to Market- A primer on Bio - Business" organised by EDII - TN Anna Business Incubation Research Foundation, University College of Engineering BIT campus, Anna University, Thiruchirappalli on 20.07.2020
37. National Level Social Awareness on "Yoga and Natural way of Living " organized by University College of Engineering BIT Campus Anna University, Tiruchirappalli in Association with Rotract Club of Anna University Thiruchirappalli on 02.08.2020, Dr M Balasingh Moses, Dr S Evany Nithya, Dr P Anbalagan, Dr T Senthil Kumar
38. Faculty program on NBA on 5/11/2020, with a passing score of 75% organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai -400614
39. Mentor for four teams during the 100 day long COVID -19 National Bioinformatics Online Hackathon from 29 April 2020 to 03 August 2020 event
40. 33 minutes Online course of Polymer in Formulations & Novel Drug Delivery by Dr. Ajay Semalty on 29/11/2020 Pharma State Academy, Pharma Industry Learning Hub Noida, Uttar Pradesh
41. Multiomics and Traditional approaches to combat Covid-19/ virus outbreak 2020 , Two weeks online faculty development Programme organized by School of life Science, B.S. Abdurrahman Crescent Institute of Science & Technology, Vandalur, Chennai, Dr P Ashok Kumar, Dr Sowmen Bera, Dr S Hemalatha, Dr A Azad, Sponsored By TNSCST, Tamilnadu
42. Communication and Networking Technologies 2020 Three weeks Industrial training on Communication and Networking technologies from

- 14.7.2020 to 03.8.2020, organized by Rajiv Gandhi Memorial Telecom Training Centre, BSNL, Meenambakkam, Chennai
43. UGC sponsored national Conference on Advanced Functional Materials (NCAFM '20) on 13th February 2020 Organized by PG and Research Department of Physics, National College, Trichy. A poster presentation - * R.Vijaya, B.Ashmitha, Development of Human Hair Keratin Based Scaffold for Wound Healing Applications and It's in Vitro Characterization.
 44. EDII sponsored two days workshop on "Intellectual Property Rights and Entrepreneurship" at AUBIT, Trichy 22&23/11/19 organized by Entrepreneurship Development And Innovation Institute Programme Monitoring Office- Innovation and Entrepreneurship Development Program at BIT Campus, Anna University, Trichy. Organizers Hub Coordinator, EDII
 45. UGC sponsored Short term course on "Research Methodology" from 15/2/2019 to 21/2/2019 at BDU-HRDC, Tiruchirappalli. Dr S Senthilnathan, Dr S Gopinath.
 46. Symposium on Ayurvedic Biology and Medicine (SABM-2019), on 18-19, January 2019 at 'The RamaVarier Ayurveda Foundation, Vilachery, Madurai'. Participation as well as poster presentation in the topic "Preparation and Characterization of INH Nanoconjugate of Silver Nanoparticles Synthesized Using Garlic (*Allium Sativum*) Extract".
 47. V National Workshop on Research Methodology, Organized by Institution Research Board (IRB) and Medical Education Unit (MEU) Trichy SRM Medical College Hospital And Research Centre, Irungalur, Tiruchirappalli, Tamilnadu. 26 to 29 /9/2018, Dr N Prabhusaran, Dr P Thirumalailolundusubramanian, Dr A Jesudoss
 48. NPTEL-AICTE faculty development programme on "Health Research Fundamentals", during Aug-sep 2018.
 49. Workshop on injuries and evidence based physiotherapy management organized by youth red cross, UCE, BIT Campus, Anna University, Tiruchirappalli on 9th March 2018. Dr K Ramesh Dr T Karthikeyan Dr T Senthil Kumar
 50. National conference on advanced healthcare materials and processing in medical technology (N-CAMP'17) sponsored by ICMR, oral presentation of paper entitled "Effect Of Nanoemulsion On Antibacterial Potential Of Tinidazole: Preparation and in-Vitro Characterization", Organized by Dept.of Mech, Engg., SVS College of.Engg., Coimbatore, Tamilnadu, India on 15/12/2017.
 51. TEQIP II sponsored workshop on fitness for daily life organized by the Department of Physical Education, Bharathidasan Institute of Technology, Tiruchirappalli, On 26th October 2016. Mr A Murugan
 52. TEQIP II sponsored workshop on yoga for healthy life organized by the placement cell and physical education, Anna University, BIT campus, Tiruchirappalli, on 27th September 2016. Mr A Murugan and Dr Venkatesan
 53. TEQIP II sponsored National seminar on "De Novo Approaches in Drug Delivery System" 23& 24th August 2016, Department of Pharmaceutical Technology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli
 54. One day workshop on Advances on rheology, 8th august, 2016 organized by Department of pharmaceutical technology, UCE, Anna University Tiruchirappalli, Dr N Subramanian

55. Participated as Evaluator in DST & DBT Sponsored 5th Annual International Convention of Association of Pharmacy Professionals held in Department of Pharmaceutical Technology, Anna University, Tamilnadu, India Tiruchirappalli on 22nd and 23rd January 2016. Organizers Dr S Latha & Dr P Selvamani, Dr K Ruckmani, Dr T Senthil Kumar, Dr Rajiv Dahiya
56. TEQIP II Sponsored Faculty Development Programme (FDP) on "Nanotechnology Applications in Engineering and Technology" 06.05.2015 to 19.05.2015(14days), Department of Petrochemical Technology, UCE Anna University, BIT campus, Tiruchirappalli Ms. K Anbarasi, Mr K Kumaraguru, Dr M Arulmozhi, Dr T Sekar, Dr P Suresh Kumar, Dr T Senthil Kumar
57. State level conference & rally, 23/03/2014, organized by Indian Pharmacists Association at parimalam mahal, Erode.
58. 77th Faculty Orientation Programme at UGC academic staff college, Bharathidasan University, Tiruchirappalli from 15/11/12 to 12/12/12 for 28days.
59. One day seminar on "Research Methodology" RM 2011. 27th August 2011, Organized by Centre for Research, Anna University of Technology Tiruchirappalli, Tiruchirappalli.
60. 1st Summer School on "Current Developments in Biological, Nano & Pharmaceutical Technology" from 05/04/2010 To 18/04/2010, Organized by Dept. of Pharmaceutical Technology, Anna University Tiruchirappalli, Tiruchirappalli.
61. One Day Seminar on Ahimsa and Animal Alternatives - The Implications and Benefits of Teaching Humane Science, Organized By MGDC on The 2nd October, 2009, Bharathidasan University, Tiruchirappalli 620 024.
62. The Indian Pharmaceutical Association – Education Division, II National convention of pharmacy educators, Coimbatore, 4th and 5th March 2006.
63. 2days UGC sponsored National level technical symposium on "Pharma Innovations", Department of Pharmaceutical Engg & Technology, School of Engg. & Technology, Bharathidasan University, Trichy, 05th & 06th Jan'06.
64. 15days – AICTE sponsored staff development program, PCPSG, Trichy, 17 Nov'04 to 31 Nov'04.
65. AICTE sponsored National seminar on Technological Advances In Pharmaceutical Formulations and Methods, Vinayaka Missions College of Pharmacy, 30th – 31st March 2004.
66. 21 days UGC sponsored refresher course, Dept of pharmacy, Annamalai University, 15 Nov'02 to 5 Dec'02.
67. Workshop on medicinal plants Prospects & Challenges, Periyar College of Pharmaceutical sciences for Girl's, 21/12/2002 & 22/12/2002.
68. Workshop on medical detailing and drugs marketing, 27th & 28th Feb'98, PCPSG, Trichy
69. Indian Pharmaceutical congress (IPC) – 1998, 2000, 2003.
70. Indian Pharmacy Graduates Association (IPGA) – 1998.

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

- Co-ordinator Pillars of Pharma: Online Lectures With Industry and Academic Titans, Targeted Drug Delivery to Cancer by Dr. Pankaj Kumar Singh on 26.03.2024 at Department of Pharmaceutical Technology, UCE, Anna University, BIT camous, Tiruchirappalli.

- Co-ordinator Pillars Of Pharma: Online Lectures With Industry and Academic Titans, HPTLC Techniques and Applications by Mr. Gaurav Thombare on 02.04.24 at Department of Pharmaceutical Technology, UCE, Anna University, BIT camous, Tiruchirappalli.
- Co-ordinator Pillars Of Pharma: Online Lectures With Industry and Academic Titans, Texture Analyzer: Technique and its Applications by Mr. Vinoth Kumar on 23.04.2024 at Department of Pharmaceutical Technology, UCE, Anna University, BIT camous, Tiruchirappalli.
- Pillars Of Pharma: Online Lectures With Industry and Academic Titans, Ayurveda- A Holistic Approach With Evidence by Dr. SURESH GOVINDAN on 30.04.2024 at Department of Pharmaceutical Technology, UCE, Anna University, BIT camous, Tiruchirappalli.
- Pillars Of Pharma: Online Lectures With Industry and Academic Titans, Navigating a successful career in Pharmaceutical sales by Mr. Anand agarwal, Senior vice president, Cipla Ltd. on 17.08.2024 at Department of Pharmaceutical Technology, UCE, Anna University, BIT camous, Tiruchirappalli.
- Pillars Of Pharma: Online Lectures With Industry and Academic Titans : Abroad education: Career opportunities and prospects & Importance of learning foreign languages, 13.11.2024, Ms. Sheril pushpa, IELTS, GRE, TOEFL and PTE trainer, Manya Education Pvt Ltd., Thillai nagar, Trichy
- Pillars Of Pharma: Online Lectures With Industry and Academic Titans : Analogues of Atrial Natriuretic Peptide for Acute Decompensated Heart Failure, 04.02.2024, Dr. Kini R Manjunatha, Emeritus professor, Department of Biological sciences, National University of Singapore, Singapore.
- Dr. Senthil Kumar Rathnasamy, Senior Assistant Professor, School of Chemical & Biotechnology, SASTRA Deemed University, Tanjore has delivered a expert lecture on Bioprocess Engineering part II on 27.04.2023
- Dr. Senthil Kumar Rathnasamy, Senior Assistant Professor, School of Chemical & Biotechnology, SASTRA Deemed University, Tanjore has delivered a expert lecture on Bioprocess Engineering part I on 20.04.2023
- Motivational lecture in the topic “Aspects of Chemical Engineering in Pharmaceutical Technology”, I- B.Tech Pharmaceutical Technology induction programme on 23.11.2022. Speaker Dr. M. Matheswaran, Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli.
- Motivational lecture in the topic “Aspects of Pharmaceutical Engineering in Pharmaceutical Technology”, I- B.Tech Pharmaceutical Technology induction programme on 25.11.2022. Speaker Dr. K. Reeta Vijaya Rani, Professor, Surya School of Pharmacy, Vikravandi, Villupuram
- A Expert lecture on “Safety practices in Industry” For IV – B.Tech Pharmaceutical Technology students on 25/8/2022 by Mr. Prabakar R, Manager, HR and Finance, AAR EM Engineering, Chennai
- A recent insight on Intellectual Property rights in India, USA and Europe Webinar conducted in the Department of Pharmaceutical technology on 6th July 2020 at UCE, Anna University, BIT camous, Tiruchirappalli. Speaker Dr. R.B.Umamaheshwari.
- Coordinator, RSHR 2014 “Recent Strategies of Herbal Research in Life Sciences – An Experimental Approach”- 19.09.2014 & 20.09.2014, funded by DST(2.75

lakh) & TEQIP II (1lakh), Dept.of Pharm.Tech., Anna University, BIT Campus, Tiruchirappalli.

- Staff coordinator, TEQIP II sponsored national level student technical symposium, 25 & 26/03/2014, organized by Association of Pharmaceutical Technology Students (APTS), Dept.of Pharm.Tech., Anna University, BIT Campus, Tiruchirappalli.
- Co-ordinator, I – B.Tech (Pharm.Tech.) orientation programme, 05/12/2013 onwards
- Co-convenor, Exploring the research platform for pharmaceutical process and product development, (P3D'08), March 15 &16, 2008, AU-T, Trichy.

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

- Two days National Conference on “Global Perspective in Pharmaceutics and Pharmacy Practice” organised by Faculty of Pharmacy, Karpagam Academy of Higher Education, Coimbatore during 7th & 8th December 2023 and awarded best oral paper presentation entitled “Development and Evaluation Lamotrigine Incorporated Nanofibrous Film for Buccal Delivery”
- 24 &25/2/23 -2 days International conference (SKICON 2023) on “Recent Advances in Translational Research and Molecular Medicine” Organized by Shivajirao Kadam Institute of Pharmaceutical Education and Research, Indore.
- APP Women Virtual Orator Competition organised by APP Trichy Local Branch, APP Hyderabad Local Branch & APP Comm.Clin.Pharm. Division on 12th Feb'22
- International Conference on Nanoscience and Nanotechnology (ICON 2021) organized by department of Physics and Nanotechnology, SRM IST, India During February 01 -03, 2021 in association with Shizuoka university, Japan: National chiao Tung University, Taiwan, New zealand: University of Rome Tor Vergata, Italy: RMIT University, Australia:
- one day UGC Sponsored National Conference on Advanced Functional materials(NCAFM - 2020) Organized by PG& research Department of Physics, National College(Autonomus) Tiruchirappalli, in association with Indian Science and Technology(ISTA) - Elavenil on 13 th February 2020
- UGC sponsored national Conference on Advanced Functional Materials (NCAFM '20) on 13th February 2020 organized by PG and Research Department of Physics, National College, Trichy. A poster presentation
- National conference on advanced healthcare materials and processing in medical technology (N-CAMP'17) sponsored by ICMR, Organized By Dept.of Mech, Engg., SVS College of.Engg., Coimbatore, Tamilnadu, India On 15/12/2017.
- Participated as Evaluator in DST & DBT Sponsored 5th Annual International Convention of Association of Pharmacy Professionals held in Department of Pharmaceutical Technology, Anna University, Tamilnadu, India Tiruchirappalli on 22nd and 23rd January 2016. Organizers Dr S Latha & Dr P Selvamani, Dr K Ruckmani, Dr T Senthil Kumar, Dr Rajiv Dahiya
- Coordinator, A national level conference on “Recent Strategies of Herbal Research in Life Sciences – An Experimental Approach” (RSHR 2014) - 19.09.2014 & 20.09.2014, funded by DST(2.75 lakh) & TEQIP II (1lakh), Dept.of Pharm.Tech., Anna University, BIT Campus, Tiruchirappalli.

- Co-convenor, Exploring the research platform for pharmaceutical process and product development, (P3D'08), March 15 &16, 2008, AU-T, Trichy.

➤ **Professional recognitions:**

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

(B) Guest lectures delivered:

- Delivered a talk on Drug development process: Clinical Trial Phases at Cauvery College for women, Trichy on 10/8/22
- Invited talk during women's day celebration 2022 at IGCE, Trichy
- Invited talk during fresher's orientation programme at Indra Ganesan Institutions, Health sciences, Trichy on 22/11/2021
- Invited talk on AICTE – Human values in the Dept of ECE, BIT campus, Trichy, during first year induction programme in the year 2020 - 2021
- Tamilnadu science congress, 10th conference, manonmaniam sundaranar university, tirunelveli, May 21-23, 2010. Invited talk on effective skin care with herbal exfoliate
- Lecture on Bio- assay, Dept of biomedical sciences, Bharathidasan University, Tiruchirappalli, 01/04/2009
- State level seminar on recent trends in pharmacotherapeutics, Dept of bio-chemistry, Holy cross college, Trichy, 13th Feb 2008
- Seminar on research methodology, AU- T, Trichy, Jan'08.
- Lecture on phytomedicine and bioactivity studies, Research initiative programme , 24th to 27th November 2007.
- Tamilnadu young scientist conference, Tamilnadu science forum, Judge, 17th August 2007, Tiruchirappalli.
- Continuing medical education programme, Chengalpattu, 2005.
- Continuing medical education programme, Kancheepuram, 2005.
- Continuing medical education programme, Neivaley, 2004
- Continuing medical education programme, Namakkal, 2001.