

CURRICULUM VITAE

Dr.A.SHANMUGARATHINAM
Assistant Professor (Sr.Gr)
Department of Pharmaceutical Technology
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➤ **Research Area:**

- Pharmaceutical Technology
- Drug Delivery Systems
- Pharmaceutics

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion
Ph.D. (Pharmaceutical Technology)	Anna University, Chennai.	2015
PG (M.Pharm Pharmaceutics)	SRM College of Pharmacy. SRM UNIVERSITY, Chennai	2007
UG (B.Pharm Pharmacy)	SRM College of Pharmacy, The Tamilnadu Dr. MGR Medical University, Chennai	2004

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Dept. of Pharmaceutical Technology, Anna University of Technology Tiruchirappalli.	TRA – Teaching Research Associate	18.06.2007	18.08.2009	2 Years
Dept. of Pharmaceutical Technology, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli – 620024	Assistant Professor	19.08.2009	Till Date	14 Years

➤ **Awards / Honours Received:**

- NPTEL / SWAYAM Domain Certification in Bioengineering
- NPTEL / SWAYAM Domain Certification in Faculty Advanced

➤ **Additional / Academic Responsibilities at University:**

- NSS – Program Officer
- Assistant Nodal Officer Procurement – TEQIP II, BIT, Trichy.
- Assistant Director Research, Anna University of Technology, Tiruchirappalli 620024.

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

- Association of Pharmaceutical Teachers of India, Bangalore, Karnataka.
APTI – Life Member (TN/LM - 537)
- Association of Pharmacy Professionals, Bhopal, MadhyaPradesh.
APP – Life Member (APP/TN/LM-006/14)
- Society of Pharmaceutical Education & Research, MadhyaPradesh.
- SPER – Life Member (SPER/LM/TN/017)
- The Indian Pharmacists Association, Tamilnadu.
Life Member – (TN/CH/IPHA-4042)
- AGAR Life Member - Association of Global Academicians and Researchers (AGAR), Tamilnadu.

➤ **Fellowships and Grants received:**

- COPI: “Stabilization of Plague (a potential Bio weapon) Vaccine using Biocompatible Polysaccharide” sanctioned by DRDO 2017-2020. Rs.44.49 lakh.
- COPI: “Development of Nano based Smart Pesticide Formulations for high Agricultural Productivity” sanctioned by DST, GoI. 2019-2021 Rs.55.74 lakh
- COPI: “Synthesis, Characterization, Functional and Toxicological Evaluation of Triblock grafted Copolymer for the Delivery of Poorly Soluble Drugs” Sanctioned by DST-TDT 2019-2022, Rs. 73.04 lakh.

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 14 Nos
- b. Number of UG Project Completed: 32 batches

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

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Mr. Selvakumar M	Approaches Enhancing Therapeutic Effects Of Nanoencapsulated Pharmaceutical Active Ingredients Using Oral Film Technology	2019	On-going
2.	Ms. Jeyanthi L	Development of nano formulation containing anti-obesity drugs and its evaluation	2022	On-going
3.	Ms. Sivadharshini K	Solubility, dissolution rate and bioavailability enhancement of low soluble drug by nanotechnology	2023	On-going

Publications:

a. Books / book chapters:

- Gurumeet C Wadhawa, Sabari V, Prafeena P, Astalakshmi M, Shanmugarathinam A (2021). "Microscopy" in Textbook of Basics of Biophysics". (p196-213) ISBN:9789391387280. AGAR Publications, Tamilnadu, India.
- Shanmugarathinam A, Sridevi Jagavati, Pavithra M, Dinesh S. Kharate, S. Srinivasan, Niti Chawla, Mohit Tiwari, Tripti Tiwari. Editor. "Recent Trends in Applied Sciences and Computing Engineering" (2021). ISBN 9788195023639. Association of Global Academician and Researchers (AGAR) Publications, Tamilnadu, India.
- Chelliah Ramachandran, Eric Banan-Mwine Daliri, Elahi Fazle, Khan Imran, Wei Shuai, Yeon Su-Jung, Saravanakumar Kandasamy, Inamul Hasan Madar, Sumaira Miskeen, Ghazala Sultan, Marie Arockianathan, Shanmugarathinam Alagarsamy, Thirumalai Vasam, Myeong-Hyeon Wang, Antony Usha, Devarajan Thangadurai, Oh Deog Hwan (2021). Impact of Sequencing and Bioinformatics Tools in Food Microbiology in Sequencing Technologies in Microbial Food Safety and Quality (1st ed.). ISBN: 9780367351182 CRC Press, Taylor & Francis. p217-276.
- Ramachandran Chelliah, Eric Banan-Mwine Daliri, Fazle Elahi, Imran Khan, Shuai Wei, Su-Jung Yeon, Kandasamy Saravanakumar, Inamul Hasan Madar, Sumaira Miskeen, Ghazala Sultan, Marie Arockianathan, Shanmugarathinam Alagarsamy, Thirumalai Vasam, Myeong-Hyeon Wang, Usha Antony, Devarajan Thangadurai, and Deog Hwan Oh (2021). Application of Next-Generation Sequencing Techniques in Food Related Microbiome Studies in Food Microbiology in Sequencing Technologies in Microbial Food Safety and Quality (1st ed.). ISBN: 9780367351182 CRC Press, Taylor & Francis. p441-460.
- M. Azeera, S. Vaidevi, J. Kumar, A. Shanmugarathinam, and K. Ruckmani (2019), "Chitosan-Based Systems in Tissue Engineering", in Functional Chitosan: Drug Delivery and Biomedical Applications, ISBN 9789811502637, Springer Singapore.

- Shanmugarathinam A and Ruckmani K. Pharmaceutical Solid Dispersions in Recent Trends in Pharmaceutical Sciences (2019) p174 - 192. (ISBN: 9788194316855). JPS Scientific Publications, Tamil Nadu, India.
- Shanmugarathinam A, Puratchikody A, Sindhuja M, (2014), “Natural Products in Drug Discovery and Development: An – Overview” in Natural Products — Drug Development, ISBN 9789380012650, Studium Press (India) Pvt. Ltd.
- Shanmugarathinam A, DivyaPriya S, Sruthi S, Hema R, Rajasekar K, Ganesan V, LakshmanaPrabu S, Puratchikody A, (2014)“Modified Release Multiparticulate Delivery System for Tramadol HCl Using Gelucire 43/01 as Rate Retarding Material” in NanoBio Pharmaceutical Technology Applications and Perspectives, ISBN 9789351072935, Elsevier, India, New Delhi (p 201-206).
- Shanmugarathinam A, LakshmanaPrabu S, Sharavanan SP, Ruckmani K, Bhuvanewari A, (2014), “Preparation and Characterisation of Leflunomide Loaded Nanosuspensions for Rheumatoid Arthritis” in NanoBio Pharmaceutical Technology Applications and Perspectives, ISBN 9789351072935, Elsevier, India, New Delhi (p 214-219).
- Shanmugarathinam A, LakshmanaPrabu S, Sharavanan SP, Ruckmani K, Aravindan S, Bhuvanewari A, Manikandan V, (2014), “Diclofenac Sodium Nanosuspension: An Approach To Improve Anti-Inflammatory Therapy”, in NanoBio Pharmaceutical Technology Applications and Perspectives, ISBN 9789351072935, Elsevier, India, New Delhi (p 220-225).
- Shanmugarathinam A, LakshmanaPrabu S, Sharavanan SP, Elakkiya M, Manikandan V, Bhuvanewari A, Aravindan S, (2014), “Formulation and Evaluation of Mouth Dissolving Film Leflunomide for Rheumatoid Arthritis” in NanoBio Pharmaceutical Technology Applications and Perspectives, ISBN 9789351072935, Elsevier, India, New Delhi (p 335-339)

b. International Journals:

- Shanmugarathinam Alagarsamy, M.I. Niyas Ahamed, Prakash Gadipelli, M.Elakia, N Bhuvana, Mr Jige Sandipan Babasahe.(2023) "Comprehensive Research on Clinical Applications of Green Synthesized Gold Nanoparticles". Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery, 27(2): 505-511. ISSN : 1001-1781.
- Krubha Athirathinam, Selvasudha Nandakumar, Shanmugarathinam Alagarsamy, Ruckmani Kandasamy. (2023) "Co-delivery of Vi polysaccharide in enhancing stability and immunity of LcrV protein—a potential vaccine candidate of Yersinia pestis against plague". Macromolecular Research. Published 13.July.2023. <https://doi.org/10.1007/s13233-023-00181-2>
- Shanmugarathinam Alagarsamy, Shri Devi. S.D.K, Srinivasan P, Prakash Gadipelli, M.Anchana, Sheela Thangaraj. (2023) "Studies of Ayurvedic Polyherbal Formulations and its Spectral Characteristics". European Chemical Bulletin. 12(4): 19549-19556. DOI: 10.48047/ecb/2023.12.si4.1737 (ISSN 2063-5346)
- G.Srinivas, Inbavalli. K, Vinoth Kumar.V, M.I. Niyas Ahamed , P. Praveena, Shanmugarathinam Alagarsamy “Studies On Copper Nanoparticles And Its Physical, Chemical And Biological Applications”, Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery 2023; 27(1):5871-5887
- Mallikarjun Vasam, Balaji Maddiboyina, Chandrashekar Talluri, Shanmugarathinam Alagarsamy, Bhaskar Gugulothu, Harekrishna Roy (2023). Formulation, Characterization, and Taguchi Design Study of Eplerenone Lipid-Based Solid Dispersions Integrated with Gelucire". BioNanoScience. <https://doi.org/10.1007/s12668-023-01102-4> Published: 15 April 2023
- J.Kabiriyel, R.Jeyanthi, K.Jayakumar, Augustine Amalraj, P.Arjun, A.Shanmugarathinam, G.Vignesh, C. Raja Mohan.(2023). "Green synthesis of carboxy methyl chitosan based curcumin nanoparticles and its biological activity: Influence of size and conductivity". Carbohydrate Polymer Technologies and Applications, 5:100260:1-7.

- R.Saravanan, R.Srinivasan, A.Shanmugarathinam, R.Karthikeyan, E.Karthikeyan, M. Vasanth Kumar, N. Kishore Raghu, K. Vijay Aadhi Raj, B.Vasu raja and K.Saifullaha (2022). "Chronic Wasting Disease and Their Potential Transmission to Cervids: an Overview". *Indian Journal of Natural Sciences*. 13(75):49591-4959
- Sneka N, Shanmugarathinam A, Arunagiri A, Charulatha K. (2022). "Brief overview on pharmaceutical coating". *UPI Journal of Pharmaceutical Medical, and Health Sciences*, 5(4):63-67. <https://doi.org/10.37022/jpmhs.v5i4.82>
- K. Sheela, C. Ramathilagam, R. Soruba, T. Selvamohan, Shanmugarathinam Alagarsamy, M. I. Niyas Ahamed (2022). "Assessment of Green Synthesized Cerium Oxide Nanoparticles from Peel Extract", *Specialis Ugdyamas*,2(43):2834 - 2841. ISSN Online: 1392-5369
- Shri Devi, S. D. K., Ashokkumar, N., Bhagyalakshmi, K., Alagarsamy, S., Vinayaka, K. S., & Sathish,S. (2022). Multifunctional management of gold nanoparticles for improved applications. *International Journal of Health Sciences*, 6(S5), 4130–4145. <https://doi.org/10.53730/ijhs.v6nS5.9528>
- Devarakonda Krishna Prasad, Bairam Ravindar, Vasam Mallikarjun,Cherukupally Srinivas, Shanmugarathinam Alagarsamy, Vasudha Bakshi, Kola Venu (2022). "Protective Effect of Methanolic Extract of Nardostachys Jatamansi Rhizomes on Aspirin plus Pylorus Ligation-Induced Gastric ulcer in Experimental Animals", *NeuroQuantology* 20(11):1419-1424.
- Nirmal Aravindaraj, Jeseeta Suresh, Venkateshwaran Krishnaswami, Shanmugarathinam Alagarsamy & Ruckmani Kandasamy (2022) Guar gum based oral films for hypertensive urgencies, *Natural Product Research*, DOI: 10.1080/14786419.2022.2039919
- Sreenivasulu, A., Selvam, J. D., Sajith, S., Vasumathy, M., Barwant, M. M., Alagarsamy, S., & Ahamed, N. M. I. (2022). A comprehensive revision on the nanocarrier drug delivery systems with special reference to artificial intelligence. *International Journal of Health Sciences*, 6(S3), 7163–7193. <https://doi.org/10.53730/ijhs.v6nS3.7734>
- Chackaravarthi Gnanasekaran, Ahmed S.Alobaidi, Ramachandran Govindan, Chenthis kanisha Chelliah, Siddiqi Muhammad Zubair, Shanmugarathinam Alagarsamy, Naiyf S.Alharbi, Shine Kadaikunnan, Rajivgandhi Govindan, Natesan Manoharana. Piperacillin/tazobactam and cefotaxime decrease the effect of beta lactamase production in multi-drug resistant K. pneumoniae. *Journal of Infection and Public Health*. 2021: 14(12):1777-1782. <https://doi.org/10.1016/j.jiph.2021.10.017>
- Balaji Maddiboyina, Prasanna Kumar Desu, Mallikarjun Vasam, Veerendra Teja Challa, Amareswarapu V Surendra, Raja Sridhar Rao, Shanmugarathinam Alagarsamy, Vikas Jhawat. An insight of nanogels as novel drug delivery system with potential hybrid nanogel applications. *Journal of Biomaterials Science, Polymer Edition*. 2021 Oct 10:1-17. doi: 10.1080/09205063.2021.1982643. Epub ahead of print.
- Selvakumar Muruganantham, Ruckmani Kandasamy, & Shanmugarathinam Alagarsamy (2021). "Nanoparticle-Loaded Oral Fast-Dissolving Film: New Realistic Approach of Prospective Generation in Drug Delivery – A Review", *Critical Reviews™ in Therapeutic Drug Carrier Systems*, 38(1):1 – 35 (2021). DOI: 10.1615/CritRevTherDrugCarrierSyst.2020034002
- Selvakumar Muruganantham, Venkateshwaran Krishnaswami, Shanmugarathinam Alagarsamy and Ruckmani Kandasamy (2020), "Anti-platelet Drug-loaded Targeted Technologies for the Effective Treatment of Atherothrombosis". *Current Drug Targets*, 21(16). DOI: 10.2174/1389450121666201027125303
- V. Ragul, J. Madhusudhanan, S. Akshay, A. Shanmugarathinam, N. Kamalashri, M. I. Niyas Ahamed. (2021). Design, Synthesis and Characterization of Wood Based Nanomaterials for Environmental Application. *Design Engineering*, 1320 - 1328. Retrieved from <https://thedesigengineering.com/index.php/DE/article/view/1826>
- Sandhiyapriya T., Muneeswari K., Gomathi M., Shanmugarathinam A., Akshay S., M. I. Niyas Ahamed. (2021). Antibacterial and Antifungal Activity of Cadmium Sulphide Nanoparticles. *Annals of the Romanian Society for Cell Biology*, 25(6), 4209–4218. Retrieved from <https://www.annalsofscb.ro/index.php/journal/article/view/6253>

- V. Ragul, K. S. Vinayaka, J. Madhusudhanan, P. Srinivasan, A. Shanmugarathinam, Satarupa Dey and M. I. Niyas Ahamed (2021). "Bactericidal And Radical Scavenging Activity Of Natural Wood And Chitosan Based Novel Nanocomposite". Turkish Online Journal of Qualitative Inquiry (TOJQI). 12(7):12818 – 12829.
- Karthikeyan Rajalingam, Venkateshwaran Krishnaswami, Shanmugarathinam Alagarsamy, Ruckmani Kandasamy (2020). "Solubility Enhancement of Methotrexate by Solid Nanodispersion Approach for the Improved Treatment of Small cell Lung Carcinoma", Current Topics in Medicinal Chemistry, Bentham Science. Sep 4, 2020. Online Ahead of Print. DOI: 10.2174/1568026620999200904120241.
- Venkateshwaran Krishnaswami, Nikhishaa Sree Raju, Shanmugarathinam Alagarsamy and Ruckmani Kandasamy (2020). "Novel Nanocarriers for the Treatment of Wound Healing" Current Pharmaceutical Design. 26, 1-10. DOI: 10.2174/1381612826666200701203432
- Karthika Perampattu Baskaran, Arunagiri Arumugam, Ruckmani Kandasamy, Shanmugarathinam Alagarsamy (2020). "Insilico Method for Prediction of Maximum Binding Affinity and Ligand – Protein Interaction Studies on Alzheimer's Disease", International Journal of Research -GRANTHAALAYAH, 8(11), 362 – 370. DOI: <https://doi.org/10.29121/granthaalayah.v8.i11.2020.2472>
- A. Shanmugarathinam, K. Vengata Naga Priyanka and R. Saravanan(2020) "Nipah: A Deadly Zoonotic Disease". Journal of Pharmacy and Health Science Research JPHSR, 1(1): 1-13.
- Shanmugarathinam. A, Ruckmani. K, Gowsalyadevi. G and Sulaiman Mohammed Alnasser (2020). Formulation Development and Characterization of Microemulsion System for Anti-Cancer Drug to Enhance the Solubility and Bioavailability. International Journal of Biology, Pharmacy and Allied Sciences, 9(7): 1594-1604. <https://doi.org/10.31032/IJBPAS/2020/9.7.5104>
- Shanmugarathinam A, Saranya T, Venkateshwaran K, Dhilin P, Ruckmani K, Subramanian N (2019) Lactic acid-mediated isolation of alpha-, beta and kappa-casein fractions by isoelectric precipitation coupled with cold extraction from defatted cow milk. International Journal of Dairy Technology, 70, 1-9. DOI: 10.1111/1471-0307.12646
- Shanmugarathinam Alagarsamy , Mallikarjun Vasam, Saravanan Ravindran (2019). An Insight Into Buccal Drug Delivery System. Journal of Innovations in Applied Pharmaceutical Science (JIAPS) 4(1):07-15.
- Shanmugarathinam Alagarsamy, Saravanan Ravindran, Mallikarjun Vasam, (2019).Review on Fast Dissolving Tablets Technology and Superdisintegrants.Journal of Innovations in Applied Pharmaceutical Science (JIAPS) 4(3):7-15.
- ShanmugarathinamA, Venkateshwaran K, Ruckmani K, RajaguruP, Subramanian N.(2018), "Biological macromolecules for ophthalmic drug delivery to treat ocular diseases", International Journal of Biological Macromolecules, 110, 7-16.
- M.GoverAntoniraj, S.AngelinTisha, Ayyavu Mahesh, A.Shanmugarathinam, RuckmaniKandasamy (2017)"Synthesis and characterization of cystamine conjugated chitosan-SS-mPEG based 5-Fluorouracil loaded polymeric nanoparticles for redox responsive drug release". European Journal of Pharmaceutical Sciences, 116(34-47).
- Alagarsamy, S., Vasam, M., & Ravindran, S. (2017). Phytocompounds used as excipients in mucoadhesive systems an outline on buccal tablets and films. International Journal of Indigenous Herbs and Drugs. 2(3):44-48.
- Alagarsamy, S., Ravindran, S., & Vasam, M. (2017). Mucoadhesive buccal tablets of rabeprazole sodium formulation and in-vitro evaluation. International Journal of Indigenous Herbs and Drugs. 2(6):24-29.
- ShanmugarathinamA,Bhuvanewari N.L, Krithiga S, Hema.R, Sruthi S, Lakshmanaprabu S (2016), "Formulation and Evaluation of Candesartan CilexetilMicroemulsion", International Journal of Research in Pharmacology & Pharmacotherapeutics, Oct - Dec, 142-145.
- ShanmugarathinamA,Gayathri N, Radhika M, Lakshmanaprabu S (2016), "Formulation and characterization of microemulsion containing BCS class II drug felodipine", International Journal of Research in Pharmacology & Pharmacotherapeutics, Oct - Dec, 115-119.

- Shanmugarathinam A, S. Lakshmana Prabu, P. Mohananarayanan, V. Kohila, M. Kavichezhian (2016), "Formulation and evaluation of sustained release matrix tablet of diclofenac sodium using hydrophilic natural gum as release modifying agent", International Journal of Research in Pharmacology & Pharmacotherapeutics, Oct - Dec, 65-71.
- Shanmugarathinam A, S. Lakshmana Prabu, R. Thirumurugan, P. Mahesh Vijay (2016), "Applications of computer in Health Profession: From Drug Discovery to Market", International Journal of Research in Pharmacology & Pharmacotherapeutics, Oct - Dec, 46-54.
- Shanmugarathinam A, Gajalakshmi CE (2016), "Design and Characterization of Floating Microspheres for Oral Delivery of Cefixime", International Research Journal Of Pharmacy, 7(11), 74-79.
- Shanmugarathinam A, Puratchikody A, Hari PG, Faritha Begam N, Sridhar G (2015), "Formulation and development of sustained release metformin hydrochloride tablet", The Pharma Innovation Journal, 4(2), 30-32.
- Shanmugarathinam A, Puratchikody A, (2015) "Design and Study of Ritonavir Buoyant Microspheres by Eudragit S100 Polymer", Asian Journal of Chemistry. 27(1), 368-370.
- A. Shanmugarathinam, S. Lakshmana Prabu, S.P. Sharavanan, K. Elaiyaraja (2014) "Aceclofenac Sodium Nanoemulsion: an Approach to Improve Anti-Inflammatory Therapy", Asian Journal of Medical and Pharmaceutical Sciences 2(2), 128-135.
- Shanmugarathinam A, Sruthi S, Dhivya Priya S, Hema R, Rajasekar K, Lakshmana Prabu S, Puratchikody A, (2014) "Microemulsion – Prophecy of Drug Delivery System", World Journal of Pharmacy and Pharmaceutical Sciences 3(10), 1800-1809.
- Shanmugarathinam A, Puratchikody A, (2014) "Formulation and Characterisation of Ritonavir loaded Ethylcellulose Buoyant Microspheres", Journal of Pharmaceutical Sciences and Research, 6(8), 274-277.
- Shanmugarathinam A, Dhayabaran D, Florance EJ, Nandakumar K, Puratchikody A (2014), "Anticonvulsant activity of fraction isolated from ethanolic extract of heartwood of *Cedrus deodara*", Journal of Natural Medicines. 68, 310–315.
- Shanmugarathinam A, S. Lakshmana Prabu, T.N.K. Suriyaprakash, R. Thirumurugan, (2014) "Process Validation: A Review", Pharma Times, 46(4), 12-15.
- Shanmugarathinam A, Gobardhan Bal, Umamaheswari A, Puratchikody A (2013) "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), pp 1-18.
- Marimuthu S, Nantheeswaran S, Shanmugarathinam A and Purachikody A (2012) "Formulation and Characterization of Cefuroxime Axetil Floating Microspheres" International Journal of Pharmacy 2(3): 526-533.
- Shanmugarathinam A, Lakshmanaprabu S and Suriyaprakash T.N.K (2012) "Development of Difference Spectrophotometric method for the estimation of Leflunomide in tablet dosage form" Chemical Industry & Chemical Engineering 18(3), pp 407-410.
- Shanmugarathinam A, Puratchikody A (2011) "Formulation, Characterisation of Aceclofenac Microspheres and Evaluation of Commercial Brands of Modified Release Aceclofenac Tablets" International Journal of Pharmacy & Technology 3(2), pp 2644-2652.
- Shanmugarathinam A, Vidhyeswari D and Puratchikody A (2011) "Formulation, Characterization and In-Vitro Evaluation of Acrylic Polymer Loaded Aceclofenac Microspheres" International Journal of Pharma and Bio Sciences 2(2), pp 253-257.
- Shanmugarathinam A, and Puratchikody A (2011) "Formulation and In vitro Evaluation of Simvastatin Microspheres Using Ethyl Cellulose as the Release Retarding Polymer" Research Journal of Pharmacy and Technology 4(8), pp 1278 – 1280.
- Shanmugarathinam A, Vaithiyalingam J, Uma Maheswari A, Puratchikody A (2010) "Wound healing potential of *Psammaphysillapurpurea*: A pharmacological and biochemical evaluation" Journal of Pharmacy Research 3(6), pp 1325-1329.

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	COPI: Stabilization of Plague (a potential Bio weapon) Vaccine using Biocompatible Polysaccharide	DRDO, GoI, New Delhi	Rs.44.49 lakh	2017-2020	Completed
2	COPI: Development of Nano based Smart Pesticide Formulations for high Agricultural Productivity	DST, GoI, New Delhi	Rs.55.74 lakh	2019-2021	Completed

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

- Conference on “Exploring the Research Platform for Pharmaceutical Product and Process Development” 15 & 16th March 2008, Dept. of Pharmaceutical Technology, Anna University of Technology Tiruchirappalli.
- Seminar on “Research Methodology”, 27.08.2011, Centre for Research, Anna University of Technology Tiruchirappalli.
- Workshop on HPLC “Trouble shooting in HPLC techniques”, 10.09.2011, Anna University of Technology Tiruchirappalli, Tiruchirappalli.
- FDP on “Current Developments In Life Sciences: An Interdisciplinary Approach”, 19.08.2013 – 25.08.2013, BIT Campus – Trichy, Anna University.
- Seminar on “Recent Trends in Novel Drug Delivery Systems”, 07.11.2013 & 08.11.2013, BIT Campus – Trichy, Anna University.
- Workshop on “Principles and Applications of Advanced Analytical Instruments”, 01.03.2016 & 02.03.2016, BIT Campus – Trichy, Anna University.
- FDP on “Advances in Nanotechnology and Analytical Instrumentation in Health Sciences”, 24.06.2016 – 07.07.2016, BIT Campus – Trichy, Anna University.
- Industrial Workshop on “Challenges and opportunities in Chemical and Pharmaceutical Industries” 02.09.2016 & 03.09.2016. Dept of Pharmaceutical Technology, BIT Campus, Anna University.
- Workshop on “Principles and Applications of Advanced Analytical Instruments” 20-24th September 2016, Dept of Pharmaceutical Technology, BIT Campus, Anna University.
- PANACEA’2020 “Imminent Prospects of Pharmaceutical Technocrats in Expanding the Scientific Realm with modern tools” 15.03.2020 & 16.03.2020, Dept of Pharmaceutical Technology, BIT Campus, Anna University.
- PANACEA’2022 “Pharmaceutical Technology: Latest Innovations, Challenges and Prevailing Strategic Prospective” 28.05.2022 & 29.05.2022, Dept of Pharmaceutical Technology, BIT Campus, Anna University
- PANACEA’2023 “Nanotechnology Facilitates Nutraceuticals: Recent insights in Formualtion Development” 01.04.2023 & 02.04.2023, Dept of Pharmaceutical Technology, BIT Campus, Anna University

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

- “Current Developments in Biological, Nano & Pharmaceutical Technology” April 05 – 18, 2010. Anna University Tiruchirappalli, Tiruchirappalli - 620024.
- “106th Orientation Programme” 18th May to 14th June 2012, University of Madras, Chennai.
- “Multidisciplinary Perspectives for Pharmaceutical, Life Science Educators and Researchers”, December 9-15, 2013. Bharathidasan Institute of Technology, Anna University, Tiruchirappalli – 620024.
- "Frontiers Research in Applied Sciences", June 3-16,2015, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli – 620024.
- “Foundation Program in ICT for Education (FDP101x)” 03.08.2017 – 07.09.2017, PanditMadan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT), MHRD, GoI.
- "Pedagogy for Online and Blended Teaching-Learning Process (FDP201x)", 04.09.2017 – 12.10.2017, PanditMadan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT), MHRD, GoI.
- “Molecules and Materials for Applications in Synthesis and in Devices”, 07.05.2018 to 20.05.2018, SaivaBhanu Kshatriya College,Aruppukottai 626 101
- “Industrial training Programme on Communication and Networking Technologies” 14.07.2020 to 03.08.2020, Rajiv Gandhi Memorial Telecom Training Centre, BSNL, Trichirappalli.
- ATAL AICTE FDP “Nano Furtherance of Pharmaceutical Engineering: An Industrial Perceive”, 21.06.2021 to 25.06.2021, Nirmala College of Pharmacy, Atmakuru, Mangalagiri, Guntu, Andra Pradesh.
- “Inculcating Universal Human Values in Technical Education”, 31.01.2022 to 04.02.2022, AICTE, New Delhi

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

- International Conference on Drug Development from Medicinal Plants - Issues & Problems. October 20-22, 2005. C.L.BaidMetha College of Pharmacy, Chennai.
- 23rd Annual Conference. Indian Pharmacy Graduates Association. 4 -5th November 2006, Chennai.
- Research Initiative Programme on “Phytomedicines and Bioactivity Studies” organized by Anna University Tiruchirappalli, Tiruchirappalli. 24-27th November, 2007.
- Research Initiative Programme on “Recent Trends in Drug Discovery & Development” organized by Anna University Tiruchirappalli, Tiruchirappalli. 26-29th December, 2007.
- Exploring the Research Platform for Pharmaceutical Product and Process Development. March 15 - 16th, 2008. Anna University Tiruchirappalli.
- PRISM 2008, Periyar Recent Innovative Scientific Meet. April 14th 2008 organised by Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli.
- UGC Sponsored National Seminar on “Recent Developments in Pharmaceutical Biotechnology”. March 7-8, 2009. Annamalai University, Chidambaram.
- AICTE Sponsored on “Future Trends in Drug Delivery Technology for Global Trade of Pharmaceuticals” July 23rd – 24th 2009, Swami Vivekanandha College of Pharmacy, Tiruchengodu.
- “National Seminar on Drug Delivery through Nanotechnology” March 10-11, 2010. Annamalai University, Chidambaram.
- 2nd Indian Youth Science Congress. June 26-28, 2010. SRM University, Chennai.
- “Symposium on Advanced Molecular Techniques and its Applications”, 7th August 2011, Cancer Institute (WIA), Chennai.
- “National Seminar on Intellectual Property Rights and Biotechnology”, 22nd February 2013, Dept of Biotechnology, Anna University – BIT Campus, Trichy.
- “Engineering Pedagogical Training Program” 20.01.2014 to 24.01.2014, Shruth& Smith Foundation, Bengaluru.

- Workshop on “Sophisticated Spectroscopic Instruments”, 08.05.2014 to 10.05.2014, NFDD, Dept of Pharmaceutical Technology, BIT Campus, Trichy.
- Indian Pharmacist Association State Level Conference & Rally, 23.03.2014, Erode organized by Indian Pharmacist Association, Tamilnadu.
- Seminar on “Recent trends in Standardization and Biological Evaluation of Plant Drugs”, 29.09.2015 & 30.09.2015, SrimadAndavan Arts and Science College, Trichy.
- Seminar on “Chiral Synthesis, Separation and Analysis” 24.03.2016, Annamalai University, Chidambaram.
- Workshop on “Advances in Rheology” 08.08.2016, Dept of Pharm Tech, Anna University – BIT Campus, Trichy.
- Science Academies’ Lecture Workshop on “Current Developments in Biology, Biotechnology and Evolution” 26.09.2016 to 28.09.2016, by Dept of Biotechnology, Cauvery College for Women, Tiruchirappalli.
- Workshop on "General Awareness and Propagation of Extra Mural Research (EMR) Scheme of Ministry of AYUSH", 21.04.2017, Siddha Regional Research Institute, Puducherry- 605013.
- Workshop on "Peptides, Proteins and Metals in Disease and Therapy", 06.11.2017 to 08.11.2017, IIT Kanpur, Uttarpradesh.
- Technical Workshop on “Intellectual Property Rights”, 09.01.2019 to 10.01.2019, by PRIST University, Thanjavur

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

- Doctoral Committee Member, Bharathidasan University, Trichy
- Doctoral Committee Member, Bharath Univeristy, Chennai.
- Member, Pharmaceutical Science, Public Library (Kalaingar Centenary Library), Chennai.

Guest lectures delivered:

- Western Blot, BIT Campus Anna Univeristy Tiruchirappalli
- Transform Infrared Spectroscopy (FTIR), BIT Campus Trichy.
- Gastroretentive Drug Delivery Systems, BIT Campus Anna Univeristy Tiruchirappalli
- Human Values Motivational Lecture, UCE BIT Campus Anna University
- Human Values Motivational Talk, UCE BIT Campus Anna University
- Medicinal Applications of Nanotechnology, Association Of Indian Biologists
- Human Values Motivational Talk, UCE BIT Campus Anna University Trichy
- Pharmaceutical Technology Concepts and Applications, Association of Global Academician and Researchers

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

Signature of the staff member

Head of the Department

Dean