

CURRICULUM VITAE

Dr.K.Ruckmani

**Director, Centre for Excellence in NanoBio Translational Research
(Autonomous)**

Professor of Pharmaceutical Technology

Department of Pharmaceutical Technology

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➤ **Research Area:**

- Pharmaceutical, veterinary, cosmetics and agrochemical formulations
- Polymers of pharmaceutical interest
- Chemical modifications of polymers (coupling of ligands, lectins, biologically active molecules)
- Synthesis and characterization of colloidal systems (nanoparticles, micelles...)
- Biopharmaceutical evaluation of new dosage forms for the administration of biologically active compounds (absorption models, bioadhesion and pharmacokinetics)

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Pharmacy)	Jadavpur University, Kolkata	2000	NA	NA (1 st woman from the state of Tamilnadu to be awarded a Ph.D. in Pharmacy)
M.Pharm (Pharmaceutics)	Jadavpur University, Kolkata	1994	81.20	I (University Fifth Rank)
B.Pharm	Madurai Medical College, Madurai Kamaraj University, Madurai	1991	73.50	I (University First Rank)
D.Pharm	Thanjavur Medical College, Thanjavur	1987	67.5	I

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Tablets (India) Limited, Madras	Analytical Chemist	1992	1992	0.5
Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli	Lecturer	1994	1998	04
Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli	Senior Lecturer	1998	1999	01
Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli	Assistant Professor	1999	2001	1.5
Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli	Professor	2001	2005	04
School of Engineering & Technology, Bharathidasan University, Tiruchirappalli	Professor	2005	2007	02
Anna University, Tiruchirappalli	Professor	2007	Till now	16

➤ **Awards / Honours Received:**

1. Researcher in Pharmaceutical Sciences 2023 by Association of Pharmaceutical Teachers of India - Tamilnadu branch
2. Recognized as among top 2% most influential scientists as per Standford list 2020
3. Research Excellence Award 2021, Anna University, Chennai
4. Women in Science Award 2021, Antiviral Research Society
5. Distinguished Researcher Award 2019, Anna University, Chennai
6. Tamilnadu Senior Scientist Award 2018, Science City, Chennai, Govt. of Tamilnadu.
7. Distinguished Scientist Award 2016, Association of Pharmacy Professionals, India 2016.
8. Tamilnadu Scientist Award 2014, Tamilnadu State Council for Science & Technology (TNSCST), Govt. of Tamilnadu.

9. Was selected to attend the Management and Leadership programme conducted jointly by CMI in association with Dudley College of London and AICTE, India.
10. Was awarded CMI Level 5 certification in Management and Leadership by the Royal Charter, United Kingdom.
11. Best Innovation Award 2013, Anna University, Chennai.
12. Vetri Penmani (Women Achiever) Award 2011, Bharathidasan University, Tiruchirappalli
13. Shri P.K. Das Memorial Best Faculty Award 2010-2011.
14. Prof.S.P.Thiagarajan and Prof.S.Rajarajan Endowment Award 2009.
15. DST-BOYSCAST fellowship 2007-2008
16. Tamilnadu Young Women Scientist Award 2006, Science City, Chennai, Govt. of Tamilnadu
17. Qualified in Graduate Aptitude Test in Engineering, 1992
18. G.P.Nair Award 1992, Indian Drug Manufacturers Association, Mumbai for securing University First Rank in B.Pharmacy .

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

1. Founding Director, Centre for Excellence in Nanobio Translational Research (Autonomous), 2013.
2. Chairman - Institutional Animal Ethical Committee, Anna University Tiruchirappalli (2017-2022).
3. Member Secretary & Chairman - Institutional Animal Ethical Committee, Anna University Tiruchirappalli (2013-2016).
4. Member, Research Advisory Committee, Anna University Tiruchirappalli, 2013-
5. Member, Board of Governors, Anna University Tiruchirappalli, 2013-

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

1. Member- American Association of Pharmaceutical Scientists
2. Governor nominee –Planning Board of Mother Theresa Women’s University, Kodaikanal. 2010 to 2013
3. Member, Academic Council, Mother Theresa Women’s University, Kodaikanal
4. Member, Academic Council, St. Joseph College (Autonomous), Tiruchirappalli
5. Coordinator, Field of Pharmaceutical Technology, Tamilaga Ariviyal Peravai-10th Conference, Manonmanium Sundaranar University, Tirunelveli May 2010.
6. Coordinator, Field of Pharmaceutical Technology, Tamilaga Ariviyal Peravai-9th Conference, Alagappa University, Karaikudi September 2009.
7. Member, Institutional Animal Ethical Committee, Bharathidasan University, Tiruchirappalli (2000- 2014); K.A.P.V.Medical College, Tiruchirappalli(2006-2014)
8. Member Secretary (2013-2016) & Chairman (2017-2022)- Institutional Animal Ethical Committee, Bharathidasan Institute of Technology, Anna University Tiruchirappalli
9. Chairman of the ISTE (Indian Society for Technical Education) Chapter which has been awarded the Best ISTE chapter award 2004
10. Member-Board of Governors, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli (2013-till date)
11. Member – Research Advisory Committee, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli (2012- till date)

12. Member - Senate, The Tamilnadu Dr.M.G.R. Medical University, Chennai (1999-2005)
13. Member – Board of Studies (Pharmacy), The Tamilnadu Dr.M.G.R. Medical University, Chennai (2001-2003)
14. Member – Faculty of Pharmacy, The Tamilnadu Dr.M.G.R. Medical University, Chennai (2004 -2005)
15. Member – Board of Studies (Pharmacy), Annamalai University, Annamalainagar (2014-)
16. PhD examiner for various national and international universities.
17. Coordinator for AICTE - NBA Accreditation of Periyar College of Pharmaceutical Sciences for Girls (PCPSG), Tiruchirappalli
18. Coordinator for ISO certification of PCPPSG, Tiruchirappalli
19. National advisory member – National seminar on “Recent Trends and Future Advances in Life Sciences” on 26th& 27 Feb’2015 at Central University of Tamilnadu, Tiruvarur.
20. National advisory member- International conference on ‘Drugs discovery and development from natural resources’ on 5th and 6th February 2014 at Regional Institute of paramedical and nursing sciences (RIPANS), Aizawl, Mizoram.
21. Member (2013-2019) Board of Studies –Faculty of Technology, Anna University, Chennai
22. Member (2013-2016) Board of Studies II for M.Sc – Chettinad Academy of Research and Education, Kancheepuram.
23. Member, Board of studies in Pharmacy - Annamalai University, Chidambaram.
24. Member (2003-2005) Board of Studies (Pharmaceutical Engineering & Technology), Bharathidasan University, Trichy
25. Recognized Guide for PhD-Bharathidasan University, Trichy; The Tamil Nadu Dr. M. G. R. Medical University, Chennai
26. Member – Board of Examiners - Annamalai University, Chidambaram; The Tamilnadu Dr. M.G.R. Medical University, Chennai; Mother Theresa Women’s University Manonmanium Sundaranar University, Tirunelveli; SASTRA University Thanjavur
27. Member (2000 – 2003)- N.S.S. Advisory committee - The Tamilnadu Dr.M.G.R. Medical University, Chennai
28. Member (2004 -2005)- American chemical Society(No. 2363669)
29. Member - Indian Local chapter of controlled Release Society Inc (USA)
30. Life member - Association of Pharmaceutical Teachers of India(TN/LM 135)
31. Life member - Indian Association of Biomedical Scientists (L 408)
32. Associate Life Member – Indian Hospital Pharmacist Association (ALM 50044)
33. Life member - Indian Pharmaceutical Association (TN/MDS/LM/0195)
34. Life member - Indian Society for Technical Education (LM/34360)
35. Life member - Indian Pharmacists Association

➤ **Fellowships and Grants received:**

Fellowship

1. DST-BOYSCAST Fellow, University of South Florida, USA 2007-2008

Grants:

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	Development of Nano based Smart Pesticide Formulation for high Agricultural Productivity	DST, Govt. of India	Rs. 55.74259 lakhs	2020-2022	Completed
2	“National Facility for Bioactive peptides from Milk” Jointly with National Dairy Research Institute , Bengaluru	DST, Govt. of India	Rs. 396.46 lakhs	2017-2019	Completed
3	Isolation, Characterization and Formulation studies of gums obtained from <i>Albizia stapulata</i> and <i>Prunus cerasoides</i> of Mizoram jointly with Regional Institute of Paramedical and Nursing Sciences (RIPANS), Aizwal, Mizoram	DBT, GOI under Twinning Programme for North East	Rs. 57.62 lakhs	2012-2015	Completed
4	Stabilization of Plague (A Potential Bioweapon) Vaccine Using Biocompatible Polysaccharides jointly with Government medical college, Kozhikode	DRDO, Govt. of India	Rs. 44.9947 lakhs	2016-2019	Completed
5	Systematic exploration and analysis of Indigenous Nagaland medicinal	DBT, GOI under Twinning Programme for North East	Rs. 67.00 lakhs	2017-2020	Completed

	plant " <i>Clematis nepaulesis</i> " for the effective treatment of Rheumatoid Arthritis jointly with Kohima Science college, Kohima, Nagaland				
6	Resveratrol and catechins-loaded niosomes and nanoparticles as delivery vehicles for fortification of milk and milk products jointly with National Dairy Research Institute, Bengaluru	NASF, ICAR	Rs. 28.84860 lakhs	2017-2020	Completed
7	National Facility for Drug Development for Academia, Pharmaceutical and Allied Industries	DST, Govt. of India	Rs. 6 Crores	2010-2017	Completed
8	EDII- Anna University-Pharmanest Incubation Center	Entrepreneurship Development Innovation Institute (EDII), Chennai	Rs 249.90 lakhs	2019-2021	Completed
9	TEQIP II	TEQIP II-Research Seed Grant	Rs.0.5 lakhs	2016	Completed
10	MOD of pharmaceutical biotech laboratory	AICTE MODROBS, India	Rs. 8.5 lakhs	1999-2001	Completed
11	Nanocomplexes for the targeted drug delivery to the Inflamed Site of Lungs	DST, Govt of India	Rs. 32.14 lakhs	2010-2014	Completed
12	Synthesis, characterization, Functional and Toxicological Evaluation of Triblock Grafted copolymer for the delivery of poorly	DST, Govt. of India	Rs. 92,04,112	2019-2023	In progress

	soluble drugs jointly with Accrete Pharmaceuticals Private Limited, Hyderabad				
13	DST-FIST	DST, Govt. of India	Rs.165.00 lakhs	2018-2023	In progress

Mentor for Post-Doc & JRF/SRF for sponsored projects

S.No	Name of the scholar	Funding agency / Scheme / Period	Research Topic	Total grant (Rs)
1	Dr. Vijayakumar M. R. (Not Availied)	Post-Doctoral Fellow (UGC - Dr. D. S. Kothari fellowship) (Oct 2021-Oct 2024)	Development of GapmeR plus small molecule drugs loaded surface functionalized liposomes against brain cancer cells and cancer stem cells	33,00,000/-
2.	Dr. Narra Kishore	Post-Doctoral Fellow (UGC - Dr. D. S. Kothari fellowship) (Jan 2015-Jan2018)	Resveratrol- Quercetin Dual Drug loaded Nanoparticulate therapy- A Novel approach to target and treat Colorectal Cancer	19,20,000/-

3.	Dr. Jasmine Annajothi Jacob Rajapushpam	Post-Doctoral Fellow (UGC - Dr. D. S. Kothari fellowship) (Jan 2015- Jan2018)	Water System Beneficial Microbial tolerance to metal oxide Nanoparticles	19,20,000/-
4.	Dr. S. Punitha	Women Scientist HRD Scheme of DHR, ICMR (Mar 2017- March 2021)	Development of dual-loaded dry emulsion containing atorvastatin and resveratrol for treating lung cancer	26,50,000/-
5.	Mr. SP Suriyaraj (Not Aailed)	Post-Doctoral Fellow (DST – SERB NPDF) (April 2016- April 2018)	Development of Portable Water Filter Based on Metal oxide Bionanocomposites and Polymer Nanofibrous Membrane for the Removal of Fluoride ions from Drinking water	19,20,000/-
6.	Dr. L. Gayathri	Post-Doctoral Fellow (DST – SERB NPDF) (Aug 2017-Aug 2019)	Pulmonary toxicity induced by gliotoxin from <i>Aspergillus fumigatus</i> : In vitro study in human airway cells for understanding the molecular mechanisms	19,20,000/-
7.	Dr. K. Venkateshwaran	Young Scientist (DHR, New Delhi) (April 2019 - April 2022)	Development of nanomicellar pulmonary delivery system for the effective treatment of chronic obstructive pulmonary diseases	33,00,000/-

8.	Dr. Oluwakemi Josephine Awakan	Research Training Fellowship- Developing Countries Scientists (DST/RTF-DCS) (July 2019- Dec 2019)	Evaluating the mechanism of action through which oleamide (9-octadecenamide) exhibits its anti-inflammatory activity and possible anti-cancer activity	2,75,000/-
9.	Mr. C. Senthil Kumar	UGC-RGNF (Rajiv Gandhi National Fellowship) (April 2011-April 2016)	Studies on Green Synthesis and Characterization of Co-Functionalized Gold Nanoparticles for Cancer Targeted Drug Delivery.	17,47,200/-
10.	Mr.M. Gover Antoniraj	UGC - JRF (Maulana Azad National Fellowship for Minority Students) (Feb 2013- Feb 2018)	Design, Synthesis and Characterization of Stimuli Responsive Polymeric Nanoparticles for Targeted Drug Delivery	17,47,200/-
11.	Mrs. D. Yamini	ICMR-SRF (July 2018 – July 2021)	Pulmonary administration of Calcitriol decorated Quinine loaded nanostructured lipid carriers: A dual tasking asthma management therapy.	15,21,600/-
12.	Ms. S. Vaidevi	ICMR-SRF (June 2018 – June 2021)	Resveratrol- Quercetin dual drug-loaded complex nanoparticulate combination therapy: A novel approach to treat colorectal cancer	15,21,600/-

13.	Ms. S. R. Sreeranjini	ICMR-SRF (July 2019- July 2022)	Pharmacological and toxicological investigation on <i>Geophila repens</i> with emphasis on its anti alzheimer's activity	15,21,600/-
14.	Ms. A. Krubha	ICMR-SRF (April 2019-April 2022)	Stabilization of Therapeutic Protein, Peptide and Sub-unit Vaccine at Room Temperature using Biocompatible Polysaccharides	15,21,600/-
15.	Prof.K.Ruckmani / Dr. T. Selvi	Total Synthesis and Nitric Oxide Inhibitory Activity of Novel Subaveniumins A and B and their Analogues.	SERB - NPDF	19.20

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 90 Nos
- b. Number of UG Project Completed: 75 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.	Azeera M	Development and evaluation of Indigenous cow milk based novel fortified products.	2015	16.05.2022
2.	Vaidevi S	Development of pH responsive nanoparticulate drug delivery system for the effective treatment of lung cancer	2016	10.12.2020
3.	R. Mohan Kumar	Pharmacological evaluation of methanol extract of <i>Ziziphus</i>	2011	24.06.2020

		<i>mauritiana</i> Lam. leaves for treatment of asthma, COPD & comorbid condition of COPD associated obesity		
4.	Soja Srinivasan	Studies into Levan as a Biocompatible Excipient for Thermal Stabilization of Protein Drugs	2009	27.05.2019
5.	M. Gover Antoniraj	Design, Synthesis and Characterization of Stimuli Responsive Polymeric Nanoparticles for Targeted Drug Delivery	2011	22.10.2018
6.	C. Prabakaran	Development of Solid Oral flexible Tablet (OFT) Formulation Platform for pediatric and geriatric drug delivery	2010	03.08.2018
7.	Veenus Seelan	Studies on <i>Prunus cerasoides</i> and <i>Albizia stipulata</i> gums as versatile bio carriers for drug delivery applications	2014	16.07.2018
8.	M.Vijayalakshmi	Isolation, characterization and pharmacological evaluation of <i>Myxopyrum serratum</i> A.W.Hill	2010	09.07.2018
9.	C. Senthilkumar	Studies on Green Synthesis and Characterization of Co-Functionalized Gold Nanoparticles for Cancer Targeted Drug Delivery	2009	10.04.2017
10.	Late . K. Akilandeshwari	Potentiality of antibacterial activity of non-antibiotics with β -lactam antibiotics against methicillin resistant <i>Staphylococcus aureus</i> (MRSA) clinical strain	2010	19.01.2017
11.	Saleem Shaikh	Development and validation of analytical methods for Tobramycin and sodium hyaluronate in ophthalmic formulations	2006	14.05.2015

12.	Dibakar Mullick	Metal catalysed coupling of amine and alcohol surrogates with aryl halides – Efficient synthesis of anilines and phenols	2006	24.03.2014
13.	Prakash Anjanappa	Ammonia Equivalent for Palladium catalysed amination of aryl halides – Efficient synthesis of anilines and indoles	2006	27.01.2014
14.	R.Vijaya	Development of Delivery systems for the transdermal delivery of sertraline hydrochloride	2006	02.08.2012
15.	O.A.Mohamed Mydeen Thusleem	Design and Development of a Self Nanoemulsifying Drug Delivery System (SNEDDS) for Isotretinoin with enhanced oral bioavailability and improved stability	2006	18.08.2012
16.	M.S.Muneera Begum	Design and development of a novel concept for immediate release of Pantoprazole	2006	18.08.2012
17.	Nilani Packianathan	Effective skin care with herbal exfoliate	2005	19.04.2011
18.	S.Durgaramani	Enhanced Antitumour Effect of Camptothecin Loaded in Long Circulating Polymeric Micelles	2005	30.12.2010
19.	V.Shankar	Formulation Development and In vivo Evaluation of Zidovudine Niosomes	2005	23.08.2010
20.	Ismail Mohammed	Anti-ulcer activity of <i>Cyperus rotundas Linn</i> and <i>Glinus lotoides Linn</i>	2004	03.11.2009
21.	S.Akilandeswari	Bio-evaluation and Standardization of <i>Sida acuta</i> and <i>Sida cordifolia</i>	2004	2008
22.	T.S.Easwari	Studies on Nanoparticulate drug Delivery System for an anticancer drug	2000	2007
23.	K. Suria Prabha		2005	2007
24.	P. Renuga devi (MS)	Synthesis, Characterization and Toxicity Studies of	2013	2015

	Research)	Arabic gum capped Gold Nanoparticles for Tumor-targeted drug Delivery		
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➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Linda Jeeva Kumari H	Exploratory analyses and developing strategies of peroxisome proliferator - activated receptor gamma (PPAR γ) agonists for the effective management of asthma	2014	Thesis submitted
2.	Yamini D	Studies on Functionalized Drug Delivery Strategies for Effective Asthma Management	2014	Thesis submitted
3.	Sreeranjini S R	Pharmacological and toxicological investigations on <i>Geophila repens</i> with emphasis on its anti-alzheimer's activity	2018	Thesis submitted
4.	Kandregula Chaya A Babu	Investigations of occupational and social environmental factors on the incidence of respiratory distress	2015	Inprogress
5.	A.Krubha	Stabilization of Therapeutic Protein, Peptide and Sub-unit Vaccine at Room Temperature using Biocompatible Polysaccharide	2017	InProgress
6.	Dhilin. P. M	Development of suitable peptide drug delivery system	2017	InProgress
7.	Vijayakumar.R	Trigonelline- α Lipoic acid Co crystallized Dry Powder Inhaler for Pulmonary drug delivery - A Novel antiviral therapy	2021	InProgress
8.	Siva sankari M	Development of Human Extracellular matrix formulation from lipoaspirate for soft tissue regeneration and evaluating its potential through	2022	InProgress

		pre-clinical trials		
9.	Rachanaa R (MS Research)	A structure-based study to understand the mechanism of tumor suppression along with glucose tolerance by LIN28/let-7 cycle and identification of small molecule inhibitors/mimic	2022	InProgress

➤ **Publications:**

a. Books / book chapters:

1. Ramapriya Alagarsamy Rajagopal, Venkateshwaran Krishnaswami, Vijayalakshmi Maruthamuthu and Ruckmani Kandasamy. Functionalized carbon nanomaterials for biomedical imaging for diagnostics. Functionalized carbon nanomaterials for Theranostics applications, Micro and Nano Technologies, Shadpour and Chaudhery (Editors), Elseiver, 2023, Pages 353-380
2. Anitha Manikandan D, Venkateshwaran Krishnaswami and Ruckmani Kandasamy. Chitosan and Chitosan derivatives-based drug delivery systems for the treatment of pulmonary diseases. Biopolymer Science and Technology (2022), Frank Weinreich (Editor), accepted.
3. Selvakumar Muruganantham, Venkateshwaran Krishnaswami, Anitha Manikandan D, Nirmal Aravindaraj, Jeseeta Suresh, Mohanraj Murugesan and Ruckmani Kandasamy. (2022) Gums as Pharmaceutical excipients- an overview. Elsevier Publications Online ISBN 978-3-030-76523-1. https://doi.org/10.1007/978-3-030-76523-1_7-1. 16 February 2022
4. Sreeranjini Sukumaran Rajamma, Venkateshwaran Krishnaswami and Ruckmani Kandasamy. (2021) Functional Role of Prebiotics Supplement in Brain Signaling. In: Microbiome gut brain axis- Implications on Health, R. Z. Sayyed, M. Khan (eds.), https://doi.org/10.1007/978-981-16-1626-6_9. Springer, Singapore, pp 215-236. Online ISBN 978-981-16-1626-6. January 1, 2022
5. [Nirmal Aravindaraj](#), [Jeseeta Suresh](#), [Venkateshwaran Krishnaswami](#), [Ruckmani Kandasamy](#) (2022) Guar Gum-Based Novel Nanodrug Delivery Systems in: Nanoengineering of Biomaterials: Biomedical Applications, II. [Sougata Jana](#), [Subrata Jana](#) (Eds). 2021 <https://doi.org/10.1002/9783527832095.ch3>. Online ISBN:9783527832095. 10 December 2021
6. Subramanian Natesan, Ravichandiran Vellayutham, Venkateshwaran Krishnaswami, Chandrasekar Ponnusamy, Saranya Thekkilaveedu, Dhilin Pathayappurakkal Mohanan, and Ruckmani Kandasamy (2021) Enhanced Topical Delivery of Drugs to the Eye Using Chitosan Based Systems. In: Advances in Polymer Science Chitosan for Biomaterials IV; Springer, Berlin, Heidelberg. https://doi.org/10.1007/12_2021_105. pp 381-409; July 2021. Online ISBN 978-3-030-83021-2
7. Nachimuthu S., Kandasamy R., Ponnusamy R., Dhanasekaran M., Thilagar S. (2021) Neurotoxicity of Polyherbal Formulations: Challenges and Potential Solutions. In:

- Medicinal Herbs and Fungi. Agrawal D.C., Dhanasekaran M. (eds) Springer, Singapore. https://doi.org/10.1007/978-981-33-4141-8_7. pp 187-201 ; January 2021. Online ISBN 978-981-33-4141-8
8. Nikhishaa Sree Raju, Venkateshwaran Krishnaswami, Sivakumar Vijayaraghavalu and **Ruckmani Kandasamy** (2020) Transdermal and bioactive nanocarriers. In Nanocosmetics: Fundamentals, Applications and Toxicity - Micro and Nano Technologies. (Ed) Arun Nanda, Sanju Nanda, Tuan Anh Nguyen, Yassine Slimani, Susai Rajendran. Elsevier, pages 17-33. ISBN 0128222867, 9780128222867; May 2020. DOI:[10.1016/b978-0-12-822286-7.00002-4](https://doi.org/10.1016/b978-0-12-822286-7.00002-4)
 9. L. Gayathri, B. Karthiyayini, **K. Ruckmani**, D. Dhanasekaran, and M. A. Akbarsha, (2020) Co-Occurrence of Ochratoxin A and Citrinin and Identifications of Fungi That Produce the Respective Mycotoxins in Mold-Contaminated Rice, Corn and Groundnut Samples. In Ochratoxin A and Aflatoxin B1: New Research, Reuben Hess (ed), Nova Science Publishers, Inc., pp 67-100; BISAC: SCI013000, ISBN: 978-1-53617-416-8; March 2020
 10. Azeera M., Vaidevi S., Kumar J., Shanmugarathinam A., Ruckmani K. (2019) Chitosan-Based Systems in Tissue Engineering. In: Jana S., Jana S. (eds) Functional Chitosan. Springer, Singapore. DOI: doi.org/10.1007/978-981-15-0263-7_10. pp 297-320; 06 March 2020. Online ISBN 978-981-15-0263-7
 11. Natesan S., Krishnaswami V., Thekkila Veedu S., Pathayappurakkal Mohanan D., Ruckmani K., Palanichamy R. (2019) Chitosan-Based Ocular Drug Delivery Systems. In: Jana S., Jana S. (eds) Functional Chitosan. Springer, Singapore. DOI: doi.org/10.1007/978-981-15-0263-7_4. 06 March 2020. Online ISBN 978-981-15-0263-7
 12. Nachimuthu S., Kandasamy R., Ponnusamy R., Deruiter J., Dhanasekaran M., Thilagar S. (2019) L-Ergothioneine: A Potential Bioactive Compound from Edible Mushrooms. In: Agrawal D., Dhanasekaran M. (eds) Medicinal Mushrooms. Springer, Singapore. DOI: doi.org/10.1007/978-981-13-6382-5_16. pp 391-407. Springer, 13-May-2019. Online ISBN 978-981-13-6382-5
 13. Azeera M., Vaidevi S., Ruckmani K. (2018) Characterization Techniques of Hydrogel and Its Applications. In: Mondal M. (eds) Cellulose-Based Superabsorbent Hydrogels. Polymers and Polymeric Composites: A Reference Series. Springer, Cham. DOI: doi.org/10.1007/978-3-319-76573-0_25-1. 17 Jan 2019. Online ISBN 978-3-319-77830-3. pp 737-761
 14. S. Vaidevi, M. Azeera, **K. Ruckmani** and S. Lakshmana Prabu (2018) Modified Biopolymers and Its Potential Significance in Targeted Drug Delivery and Disease Diagnosis, In: Advances in Polymers for Biomedical Applications Deepak Pathania and Bhuvanesh Gupta (eds) Nova Science Publishers, Inc. pp 143-170; ISBN: 978-1-53613-612-8. September 2018
 15. Sakthivel Lakshmana Prabu and **Kandasamy Ruckmani** (2017) Biopolymer in Gene Delivery In: Advanced Technology for Delivering Therapeutics, In: Advanced Technology for Delivering Therapeutics. Sabyasachi Maiti and Kalyan Kumar Sen(eds) In Tech Open
 16. S. Lakshmana Prabu 1, T.N.K. Suriyaprakash 2, K. Ruckmani 1, R. Thirumurugan 3 (2017) GMP in Pharma Manufacturing—Description of GMP as Related to Air-Handling Units and Prevention of Contamination and Implementation of GMP Regulatory Requirements. In : Developments in Surface Contamination and Cleaning: Types of contamination and contamination resources (eds) Edited by: Rajiv Kohli and K.L. Mittal. 9(3), 87-123. <https://doi.org/10.1016/B978-0-323-43158-3.00005-8>

17. Prabu, Sakthivel Lakshmana, TNK Suriyaprakash, **Ruckmani Kandasamy** and Thirumurugan Rathinasabapathy (2016) Effective Waste Water Treatment and its Management. In : Toxicity and Waste Management Using Bioremediation, Ashok K. Rathoure and Vinod K. Dhatwalia (eds) :10.4018/978-1-4666-9734-8.ch016. December, 2015
18. S. Lakshmana Prabu, T.N.K. Suriyaprakash, **K. Ruckmani** and R.Thirumurugan (2015). Biopharmaceutics and Pharmacokinetics In: Basic Pharmacokinetic Concepts and Some Clinical Applications, Dr. Tarek A Ahmed (Ed.), InTech, DOI: 10.5772/61160. November 18th 2015.
19. Lakshmana Prabu S, Sharavanan SP, Shanmugarathianm A, **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).
20. Lakshmana Prabu S, Sharavanan SP, Shanmugarathianm A, **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).

b. International Journals:

1. 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 (ISI impact factor: 4.402). <https://doi.org/10.1007/s13233-023-00181-2>. Published online on 13, July, 2023.
2. Nandakumar Selvasudha Joseph PushpaSweety Thekkila-Veedu Saranya Kandasamy Ruckmani *, Loganathan Gayathri (2023) Development of Alkaline-stable Nanoformulation of Nisin: Special Insights Through Cytotoxic and Antibacterial Studies. Environmental Science and Pollution Research (ISI impact factor: 5.19, Q1)
3. Dinesh T V, Beutline Malgija, Mano Ranjana Ponraj, Pavankumar Muralakar, Jesse Joel Thathapudi, Ruckmani Periyasamy, Jeyasankar Alagarmalai, Anna Benedict Balakrishnan, Perumal Samy Ramar, Jannet Vennila James, Jebasingh Bhagavathsingh * (2023) Design of Novel Pyrimidine Based Remdesivir Analogues with Dual Target Specificity for SARS CoV-2: A

Computational approach. International Journal of Biological Macromolecules (Accepted) (ISI impact factor: 8.025, Q1). PMID: 37148943

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5. Mariya Gover Antoniraj, Ramar Mohan Kumar, Henry Linda Jeeva Kumari, Subramanian Natesan, Ruckmani Kandasamy*(2023) Fabrication of chitosan-based redox-responsive polymeric nanoparticles: In-vitro and in-vivo evaluation for treating airway inflammation in asthma Journal of Drug Delivery Science and Technology (ISI impact factor: 5.062, Q1).
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inflammatory pathway in peri-implant health and disease with an updated review on treatment strategies. *Journal of Oral Biology and Craniofacial Research* 13 (2023) 84–9.(Impact factor: 1.011)

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14. Krubha Athirathinam, Selvasudha Nandakumar, Ruckmani Kandasamy* (2022) Biopolymers and Osmolytes – A Focus Towards The Prospects of Stability and Adjuvanticity of Vaccines (2022) *Macromolecular Research*. *Macromol Res*. Jun 22 : *Macromol. Res.*,30(9), 599-608 (2022) (ISI impact factor: 4.402, Q2). doi: 10.1007/s13233-022-0068-y
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c. National Journals:

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2. V Maruthamuthu, Ruckmani Kandasamy * (2017) Bronchodilatory effect of Myxopyrum serratum in animal models. Bangladesh J Pharmacol. 12(1); pp:84-90; DOI:10.3329/bjp.v12i1.30257. (ISI impact factor : 1.6;Q3)
3. M Vijayalakshmi, Ruckmani Kandasamy * (2016) Ferric Reducing Antioxidant Power Assay in Plant Extract. Bangladesh J Pharmacol.11; pp:570-572. DOI: <http://dx.doi.org/10.3329/bjp.v11i3.27663>. (ISI impact factor: 1.6; Q3)
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6. 1. Sankar, V., Velayutham, K., Prashanth, K. P., Kavitha, K. Y., & Ruckmani, K. (2011). Formulation Development and In vivo Evaluation Of Salbutamol Sulphate Niosomes. The Indian Pharmacist Feb 2011, 75
7. Ragavendran, T., Mohan Kumar R., Gover Antoniraj M., Senthil Kumar C & Ruckmani K (2011) Antidiabetic activity of ethanol extract of whole plant of Wedelia chinensis (OSBECK) MERR.
8. Ruckmani Kandasamy*, Nilani Packianathan (2009) Protect your skin from photodamage using herbal sunscreen agents, Herbal Tech Industry Journal of Herbal Science and Technology, 5(8); P11-17, ISSN 2345-3249.
9. Ruckmani Kandasamy*, Nilani Packianathan (2009) The effect of the natural dye from the fruits of Cyphomandra betacea with natural mordant on selected fibres, Herbal Tech Industry; Journal of Herbal Science and Technology, 5(12), 14-18, ISSN 2345-3249.

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11. Valarmathi R., Sundari SKK., Puratchikody A., George S., Suresh Kumar S., Ruckmani Kandasamy. (2003) Spectrometric methods for the determination of Sibutramine Hydrochloride from capsules, *Indian Journal of Pharmaceutical Sciences*, 65, 647-648. (ISI impact factor: 0.634; Q3)
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16. A. Jaswanth, M. Ramanathan, Ruckmani Kandasamy (2001) Evaluation of mosquitocidal activity of *Annona squamosa* leaves against filarial vector mosquito, *Culex quinquefasciatus* Say. *Indian Journal of Experimental Biology*, 40, 363-365. PMID: 12635713, (ISI impact factor: 0.944; Q4)
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18. Ruckmani Kandasamy, Easwari, T.S., Muneera, M.S. (2000) Cytokines and Monoclonal antibodies in Cancer chemotherapy, Indian Journal of Clinical Practice, II(5), 70-73. (Impact factor: 3.149)
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21. Ruckmani Kandasamy *, Kavimani, S., Anandan, R., Jaykar, B., (1998) Effect of *Moringa oleifera* Lam on paracetamol-induced hepatotoxicity, Indian J. Pharm. Sci., 60(1), 33-35, (ISI impact factor : 0.634; Q3).
22. Ruckmani Kandasami*, Jaykar B., Durgaramani, S., Easwari, T.S., Hurmathunissa, S (1998) In-Vitro Release Studies on Topical Preparations of Ketorolac Tromethamine, Indian Drugs, 35(5), 303-305. (Impact factor: 0.117)
23. Ruckmani B, K., & Anandan, R. (1997). Diuretic Activity of *Moringa Oleifera* Lam. Indian Drugs, 34(5), 289-291. (Impact factor: 0.117)
24. Ruckmani Kandasamy*, Kavimani, S., Jaykar, B., Anandan, R., (1997) Anti-ulcer activity of the alkali preparation of the root and fresh leaf juice of *Moringa oleifera* Lam, Ancient Science of Life, 17(3), 220-223. PMID: 22556845
25. Ruckmani Kandasamy*, Kavimani, S., Jaykar, B., Karpagam Mumara Sundari, S., (1996) Analgesic, Antipyretic and antibacterial Activities of root Bark Extract of *Toddalia Asiatica* Linn, Indian Drugs, 33(11), 555-558 (Impact factor: 0.117)

➤ **Patents granted/ Applied:**

1. Immediate release compositions of acid-labile drugs; Muneera Mohamed Shafee, Ruckmani Kandasamy, Thusleem Omar Abdul Gani, Saleem Zainuddin Shaikh, Anand Vasantharao Kondaguli. US Patent No: US8, 999,384 B2; Apr 7, 2015. (Granted)

2. Herbal exfoliating composition comprising Phaseolus mungo and Cyphomandra betaceae. Ruckmani Kandasamy and Nilani Packianathan; Indian Patent No: 292860; Feb 13, 2018. (Granted)
3. Novel and stable pharmaceutical compositions of vitamin A analogs; Thusleem Omar Abdul Gani, Ruckmani Kandasamy, Muneera Mohamed Shafee, Saleem Zainuddin Shaikh. Indian Patent No: 333223; Feb 27, 2020. (Granted)
4. Stabilization of nonionic surfactant based nanovesicles loaded with resveratrol using stearic acid and method of preparation thereof ; B.Surendranath, V.Jaya Sravani,Ruckmani Kandasamy,M. Gover Antoniraj, A.Heartwin Pushpadass, N.Laxmananaik, F. Magdaline Ejeeva Emerald. Indian Patent Number: 404471; 25.08.2022 (Filed: 08.02.2018; Published :09.08.2019) (Granted)
5. Bio-waste based nanocomposite for removal of environmental contaminants; N.Selvasudha, K.Ruckmani and J.Pushpasweety Indian Patent Application Number: 202141018337; 21/04/2021; (Published 28.10.2022) (Applied)
6. An Aqueous Stable Leuprolide Composition; Krubha Athirathinam, Ruckmani Kandasamy, Shanmugarathinam Alagarsamy, Selvasudha Nandakumar Indian Provisional Patent Application Number: 202241046931; August 18, 2022.(Applied)
7. A Process of preparation of antibacterial activity and osteogenesis potential exhibiting IGF-1 loaded anionic PLGA nanoparticles.; Fathima Banu Raza, Anand Kumar Vaidyanathan, Sivakumar Vijayaraghavalu, Venkateshwaran Krishnaswami and Ruckmani Kandasamy. Indian Provisional Patent Application Number:202341046964; July 12, 2023.(Applied)
8. A Process of preparation of antibacterial activity and osteogenesis potential exhibiting IGF-1 loaded neutral PLGA nanoparticles.; Fathima Banu Raza, Anand Kumar Vaidyanathan, Sivakumar Vijayaraghavalu, Venkateshwaran Krishnaswami and Ruckmani Kandasamy. Indian Provisional Patent Application Number: 202341046965; July 12, 2023.(Applied)

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
1	Heterogeneous polymer composite nanoparticles loaded in situ gel for controlled release intravaginal therapy of genital herpes.	PI	SASTRA University, Thanjavur	Less than 10 lakhs	9 months
2	Formulation Development and Evaluation of proniosomes for Antiviral drugs	PI	JKK Nattraja College of Pharmacy, Komarapalayam	Less than 10 lakhs	6 months

3	Screening of anticancer activity for plant extract formulations	PI	Jazan University, Jazan	Less than 10 lakhs	6 months
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➤ **List of Seminar / Short Term Course / FDP/ Workshop organized:**

1. TEQIP -II and NFDD sponsored Workshop on –Principles and Applications of Advanced Analytical Instruments on 20th to 24th September 2016 at Department of Pharmaceutical Technology, Anna University, BIT campus, Tiruchirappalli
2. TEQIP-II and NFDD sponsored Workshop on–Principles and Applications of Advanced Analytical Instrument on 01-02 Mar 2016
3. DST sponsored Hands on Training on Sophisticated Instruments, 05-07 Oct 2015
4. TEQIP II sponsored Hands on Training on Sophisticated Instruments, 16-20th Feb 2015
5. DST sponsored National Facility for Drug Development for Academia, Pharmaceutical and Allied Industries, –Workshop on Sophisticated Spectroscopic Equipments, 08-10th May 2014 at Department of Pharmaceutical Technology, Anna University, BIT campus, Tiruchirappalli
6. TEQIP II sponsored faculty development program on –Current developments in Life Sciences: an interdisciplinary approach (CDLS-2013)“ organized by Department of Pharmaceutical Technology, Anna University, BIT campus, Tiruchirappalli on 19/08/2013.
7. One day seminar on Research Methodology on 27.08.2011 at Anna University of Technology, Tiruchirappalli.
8. Summer School on –Current Developments in Biological, Nano and Pharmaceutical Technology , 05.04.2010 to 18.04.2010 at Anna University of Technology, Tiruchirappalli (10 participants)
9. DST Sponsored Recent Trends and Applications of Nanotechnology in Pharmacy & Biology, 21st & 22nd Jan 2010 at Anna University Tiruchirappalli. (293 participants)
10. Contract Research and Patent Rights National seminar, 24th Feb, 2006 at Bharathidasan University, Tiruchirappalli

11. Pharma Innovations National symposium, 5th&6th Jan, 2006 at Bharathidasan University, Tiruchirappalli
12. Recent Advances in Herbal Technology ,AICTE-sponsored Staff Development Programme(SDP), 16th to 30th Nov, 2004 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
13. Pharmacology & Toxicology – An Experimental & Clinical Approach Workshop, 26th Feb, 2004 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
14. Emerging Trends in Medicinal Plants, Workshop, 25th Feb, 2004 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
15. Careers in Pharmacy Workshop, 7th& 8th Aug, 2003 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
16. Women Entrepreneurship Development Training Workshop, 20th to 26th Mar, 2003 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
17. Medicinal Plants – Prospects and Challenges Workshop, 21st & 22nd, Dec, 2002 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
18. Health & Hygiene Workshop for School students, 28th Oct to 1st Nov 2002 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli Health care Workshop for School students, 1st to 7th Jan 2002 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli
19. Medical Detailing and Drugs Marketing Workshop for Working Pharmacists, 27th& 28th Feb, 1998 at Periyar College of Pharmaceutical Sciences for Girls, Tiruchirappalli

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

1. One day free training on “on-site HPTLC training certificate” by ANCHROM on 3/3/2021
2. Webinar on “Immunomodulation in COVID 19” organized by IIC-CARE and chettinad Academy of Research and Education on 14th May 2020
3. Workshop for incubation managers on 5-6th sep 2018 at IITM Research Park, Taramani, Chennai
4. Oral presentation in 11th APCCS & 5th ICCS organized by ICCS at kochi, kerala from 28th to 30th September, 2016

5. One day national workshop on “Patent Information” held at Bharathidasan university, Trichy on 29th April 2009
6. UGC sponsored national level one day workshop on “Current trends in drug development” held on 7.3.2007
7. Abstract presentation on Indo-US symposium on nanotechnology in Advanced drug delivery organized by NIPER from October 4-6, 2006
8. SEARPharm forum workshop on “Medicine prices in SEA region” on 22 December 2003 at Chennai
9. “Intellectual Property rights – Present Necessities and Responsibilities”, National seminar on 9th December 2002 at Bharathidasan university
10. ISO 9000:2000 Workshop held at IIW Hall, BHEL, tiruchy on 20.07.2001
11. One day workshop on “education of biotechnology in India on March 23, 1999” organized by Indian institute of Technology, Chennai
12. International webinar on “Importance and impact of pharmaceutical technology on healthcare” hosted by Karnataka registered pharmacists Association and RR college of Pharmacy, Bangalore
13. One day seminar on “Ahimsa and animal alternatives- The implications and benefits of teaching humane science” at Bharathidasan university, Trichy
14. Paper presented on International seminar on recent trends in pharmaceutical sciences at ootacamund, tamilnadu from 18th to 20th February 1995
15. Poster presentation in the 47th Indian pharmaceutical congress held at Visakhapatnam from 27-29th December 1995
16. National level seminar on “recent advances in biomedical research on infectious and non-infectious diseases”

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

1. International Conference on “Trends And Innovations In Chemical And Pharmaceutical Technologies (TICPT-2017)” in Department of pharmaceutical Technology , Anna University, BIT campus Tiruchirapalli on Feb 2-4, 2017
2. NanoBio Collaborative International Conference 27-29th June, 2013 jointly organised with Nanomedicine Research Centre, University of South Florida, USA
3. DST Sponsored Recent Trends and Applications of Nanotechnology in Pharmacy & Biology, 21st & 22 Jan 2010 at Anna University Tiruchirappalli. (293 participants)
4. First state conference of Tamilnadu drugs control enforcement officers association

5. “Nanotechnology in Advanced Drug delivery” organized by National institute of Pharmaceutical Education and Research during February 17-18, 2006
6. Poster presentation in the 1st INDO-JAPANESE international conference on “Advances in pharmaceutical research and technology” from November 25 to 29, 2005
7. 56th Indian Pharmaceutical congress at Kolkata during 3rd – 5th December 2004
8. XXV Annual conference of the Indian Association of Biomedical Scientists held at CLRI and at Dr. ALM PGIBMS, Chennai from 7th to 10th October 2004

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

1. Reviewer of many peer reviewed journals
2. Panel of inspector/ assessment committee member in PCI, AICTE, NAAC
3. Member, TASK-FORCE committee, DST
4. PhD examiner of University of Nottingham, Malaysia campus
5. Visited Ohio state university, USA for Leadership Development for Academicians program - sponsored by MHRD, Govt. of India Sep 2019.
6. UK - Erasmus+ (Staff mobility for training) at University of Edinburgh, Scotland - sponsored by European Union July 2019.

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

1. Chairperson in DST and DBT Sponsored 5th Annual International Convention of Association of Pharmacy Professionals held in Department of Pharmaceutical Technology, Anna university, BIT Campus, Tiruchirappalli during 22nd & 24th January, 2016.
2. Resource person in National conference on “Phytochemicals as Biotherapeutics- Unravelling the mystery of Natural Products (HERBESCON 2016)” organized by Department of Biomedical Sciences, Sri Ramachandra University, Chennai
3. Resource person in 1st International Congress of the Society for Ethnopharmacology (ICSE 2014) organized by Sri Ramachandra University, Chennai and School of Natural Product studies, Jadavpur, Kolkata, India.
4. Resource person in International Conference on Drug Delivery-2010 on Emerging Innovations in Drug Delivery Technology organized by PSG College of Pharmacy, Coimbatore, Tamil Nadu, India

5. Resource person in UGC Sponsored SAP-DRS-Phase I, National Seminar on Drug Delivery Through Nanotechnology organized by Department of Pharmacy, FEAT, Annamalai University, Tamil Nadu, India
6. Resource person in ICSSR and WHO sponsored Joint National Conference on Public Health Challenges of Tropical Diseases Moving Towards Universal Access at Central, University of Tamil Nadu, Thiruvarur, Tamil Nadu, India
7. Resource person in AICTE sponsored National seminar on “Recent Advances in Herbal Drug Technology” at Sri Ramachandra University, Chennai
8. Resource person in Webinar on “Drug Delivery Strategies for Translational Research- Case Studies” organized by Ultra College of Pharmacy, Madurai in association with The TN Dr. MGR Medical University, Chennai, Tamil Nadu, India
9. Resource person in Faculty Training Programme on Nanotechnology Innovations in Energy and Biomedicine organized by Kamaraj College of Engineering and Technology, Madurai, Tamil Nadu, India
10. Resource person in National Conference organized by Department of Pharmacology, Chettinad Hospital and Research Institute, Kanchipuram, Tamil Nadu, India
11. Resource person in DST sponsored National Workshop and Industry- Academia Interaction Meet on Drugs and Pharmaceuticals–Research & Development organized by Pondicherry University, Pondicherry, India
12. Resource person in National conference on “Approches on Nanotechnology in Herbal Drug development” organized by Faculty of Pharmacy, Sri Ramachandra University, Chennai, Tamil Nadu, India
13. Resource person in AICTE sponsored Quality Improvement Programme on “Emerging Trends in Natural Product Research” organized by JSS College of Pharmacy, Ooty, Tamilnadu, India

(B) Guest lectures delivered:

1. Lecture on “Pharmaceutical opportunities with Agricultural residues” at International Conference of Banana – 2020 “Innovations in sustainable production and value chain management in banana organized by ICAR- National Research Centre for Banana, Trichy, Tamil Nadu, India
2. Lecture on “Application of ionizing radiation in pharmaceuticals” at National seminar on "Application of ionizing radiation in pharmaceuticals" organized by Aditya Bangalore Institute for Pharmacy Education and Research (ABIPER) sponsored by Board of Research in Nuclear Sciences (BRNS).

3. Lecture on “Functional Food and Nutraceuticals” at Targeted Training Course on "Functional Food and Nutraceuticals" conducted by Defence Food & Research Laboratory, Mysuru
4. Lecture on “Light – matter interaction in science” at Two days workshop on “Light – matter interaction in science” – SPECTRUM 2015 organized by School of Basic and Applied Sciences, Central University of Tamil Nadu
5. Lecture on “Training on Pilot Plant Scale-up Technologies” at Phase – III of AICTE-ISTE sponsored Induction/Refresher Programme (online) organized by Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur, India
6. Lecture on “Translational Research – Mind to Market – Lessons for the Researchers” at Association of Pharmaceutical Teachers of India, International Women’s day organized by APTI Women’s Forum, Bangalore
7. Lecture on “Nanofibers Based Antibacterial Drug Design, Delivery and Applications” at MHRD-SPARC sponsored International Workshop (Online) organized by Department of Fashion Technology & Biotechnology, KCET and in association with National University of Singapore, Anna University, Chennai, Tamil Nadu, India
8. Lecture on “Challenges and Opportunities in Development of Herbal Formulation” at GUJCOST sponsored one day national virtual seminar on " Current Trends and Challenges: Regulations and Standardization of Herbals" organized by Gujarat Technological University, Ahmedabad, India
9. Lecture on “Stimuli Responsive Polymeric Delivery Systems” at Seven days online workshop on “Bio-Nano Interface: Studying Nano-biophysiochemical Interaction to toxicity” organized by the Centre for Advanced Studies in Crystallography & Biophysics, University of Madras and MHRD-RUSA 2.0 (“Biomaterials” Group)
10. Lecture on “Phyto based Targeted Drug Delivery Systems - Way To Future” at Indo-Chinese virtual international conference organized by Sri Ramachandra Institute of Higher Education and Research, Chennai, Tamil Nadu, India
11. Lecture on “Recent insights and multifactorial applications of HPTLC & Asthma & Chronic Obstructive Pulmonary Disease (COPD): Insights on Preclinical Testing” at Two-week Online Refresher Course on “Drug Discovery, Drug Development and Analytical Interpretation of Data in Pharmaceutical Research organized by the UGC-Human Resource Development Centre, JNTUH, Hyderabad
12. Lecture on “Development of Solid Oral Flexible Tablet Formulation Platform for Pediatric and Geriatric Drug Delivery” at AICTE sponsored Short Term Training Programme organized Annamacharya College of Pharmacy, Andhra Pradesh, India

13. Lecture on “Translational Research – Mind to Market” at National seminar on Challenges and funding opportunities for women in life sciences and economics at Department of life sciences and economics, Central University of Tamilnadu, Tiruvarur
14. Lecture on “Nanotoxicology” at Two days International Conference on Nanotoxicology ,2015 organized by the Department Of Chemistry & Biosciences, SASTRA University, Kumbakonam, TamilNadu, India
15. Lecture on “Global trends in research in prevention and effective management of non-communicable diseases” at Two day International conference –organized by Nehru College of Pharmacy in association with Kerala University of Health Sciences, Kerala, India
16. Lecture on “Current development in Nano Technology” at The National Pharmacy Week Celebration. Theme: Pharmacist – A Healthcare Professional organized by Indian Pharmacy Graduate’s Association, Tamil Nadu Branch
17. Lecture on “Recent Trends in Treating Respiratory Diseases” at 62nd Indian Pharmaceutical Congress at Manipal University, Manipal, India