

Dr.K.KAVITHA

Assistant Professor (Sr.Gr)

Department of Pharmaceutical Technology

University College of Engineering, BIT Campus

Anna University, Tiruchirappalli

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➤ **Research Area:**

Pharmaceutics,

Formulation Development,

Targeted Drug Delivery,

Drug Delivery Systems for Cancer Treatment,

Pharmacokinetics.

Biodegradable polymer

➤ **Educational Qualifications:**

Qualification	Department	Year (From - To)	Percentage	Class
PhD	Pharmaceutical Sciences	2005-2010	Commended	
M. Pharmacy	Pharmaceutics	1996-1998	62.3	First
B. Pharmacy	Pharmacy	1991-1995	66.7	First

➤ **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relieved on	Experience in Year
University College of Engineering, BIT Campus, Anna University, Tiruchirappalli	Assistant Professor	24-08-2009	Till Date	-	15 years, 5 months
C.L.Baid Metha College of Pharmacy, Chennai	Assistant Professor	01-09-1995	22-08-2009	22-08-2009	13years11 months
Mical Labs, Guindy, Chennai.	Analytical chemist	01-06-1995	31-08-1995	31-08-1995	3 months

❖ **Awards and Honors:**

- Selection Committee Member for conducting PhD interview, 1st October, 2021.
- First Prize for Poster entitled “Skimmed milk powder and pectin coated solid lipid nanoparticle containing soluble curcumin: Potential cytotoxicity and G2/M phase apoptosis in human adenocarcinoma cells(Caco 2)” was presented at the “International conference on recent advances in food processing Technology” organised by Indian Institute of Food Processing Technology (IIFPT) Thanjavur, TN, during 17th to 19th August 2018
- Prize winner in poster presentation entitled “Floating Microspheres” in National Level conference on implementation of modern bio techniques in Human Welfare held on 28th March 2011 in Bioblossom 2K11 , Pavendar Bharathidasan college of Engg & Technology.
- Outstanding Personality award, ACE TRUST, 2017
- Gold Medalist in M.Pharm- Received Best Outgoing Student Award in M.Pharm, from C.L.Baid Metha College of Pharmacy, 1998

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

- Deputy Warden, Women Hostel, Anna University, BIT Campus, Tiruchirappalli 2016 onwards
- Member of Prevention of Sexual Harassment Cell, Anna University, BIT Campus, Tiruchirappalli January, 2025 onwards
- Class Coordinator, Final Year B.Tech Pharmaceutical Technology, 2018-24
- Sports coordinator, Department of Pharmaceutical Technology, Anna University, BIT Campus, Tiruchirappalli 2017-19
- Anti-ragging committee member, Anna University, BIT Campus, Tiruchirappalli, 2015 onwards
- Coordinator, Ladies Common Room, Anna University, BIT Campus, Tiruchirappalli 2015 onwards
- Deputy Director, Centre for Research, Anna University of Technology, Tiruchirappalli. 2011-2013.
- Lab In charge for carrying out the regular maintenance and calibration of the

sophisticated instruments in the Pharmaceuticals Laboratory, 2009- 2013.

- Member of Women Empowerment Cell and Coordinator of Hobby Club in Anna University of Technology, Tiruchirappalli. 2011-13

❖ **Professional Activities:**

- Organised International Webinar on COVID-19- Role of public health scientist: from clinical samples to sequencing on 15th July 2020, The speaker Dr. Kartyk Moganeradj Senior Scientist, Central Sequencing Laboratory Public health, England, London.
- Organised in the level of Scientific Convener, TEQIP II sponsored International Conference on Trends and Innovations in Chemical & Pharmaceutical Technologies in BIT Campus, Anna University, Tiruchirappalli during 2-4 February 2017.
- Organized National Seminar on Denovo Approaches in Drug Delivery Systems, 23rd and 24th August 2016, Anna University, BIT Campus , Tiruchirappalli
- Organized Hands on Training Programme on Sophisticated Instruments, February 16th - 20th, 2015, Anna University, BIT Campus , Tiruchirappalli.
- Organized National Conference on Recent Strategies in Herbal Research- An Experimental Approach, 19th & 20th September, 2014, Anna University, BIT Campus , Tiruchirappalli.
- Organised Collaborative International Conference, Nanobio (2013) as Scientific Convener at Department of Pharmaceutical Technology, BIT Campus, Tiruchirappalli during 27th to 29th June 2013.
- Organised National Conference on Recent Trends and Applications of Nanotechnology in Pharmacy and Biology, Anna University of Technology, Tiruchirappalli. Jan 2010
- Organised An International Conference On Drug Development in Medicinal Plants-Issues and Problems during Oct 20th to 22nd 2005 in CLBMCP, Chennai.
- Member Of Editorial Board In Panacea Of CLBMCP

- Organised Awareness Program and Exhibition Of Pharmaceutics Department in CLBMCP

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

- Life member in Association of Pharmacy Professionals, India
- Member in Controlled Release Society, USA
- Life member in Association of Pharmacy Teachers of India (APTI)
- Registered Pharmacist, Tamilnadu State Pharmacy Council

❖ **Fellowships and Grants:**

- Travel Grant from Department of Biotechnology to participate in 38th CRS Annual Meeting & Exposition in Maryland, USA, July 30th -August 3rd, 2011.

❖ **Completed B.E/M.E Projects:**

- a. Number of M.Pharm & M.Tech Projects Completed: 11 Nos
- b. Number of B.Pharm and B.Tech Project Completed: 21 Nos

➤ **PhD Research Guidance : 03 Nos (Awarded)**

➤ **MS By Research Guidance : 01 No(Awarded)**

➤ **Sponsored Research Activities:**

1.Students Project scheme- Pegylated Nano particles for targeted drug delivery
Duration: 6 months, April 2013

Role: Mentor

Agency: Tamil Nadu State Council for Science and Technology

Amount: Rs 6000

2. Students Project scheme- Anti diabetic activity of cassia auriculata and its formulations

Duration: 6 months, April 2014

Role: Mentor

Agency : Tamil Nadu State Council for Science and Technology

Amount: Rs 10000

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

- 1) Successfully completed module 1-8 of National Initiative for Technical Teachers Training certified by All India Council for Technical Education (AICTE) during February 2024.
- 2) Participated in online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 28th February, 2022 to 4th March, 2022.
- 3) Drug Delivery Principles and Engineering, NPTEL, Indian Institute of Science, Bangalore, Ministry Of HRD, Govt. of India. 14-09-2020 to 06-12-2020
- 4) AICTE-ATAL, Online FDP on “Recent trends in Waste Management Technologies”, organised by Dept. of Petrochemical Technology, UCE-BIT campus, Anna University, Tiruchirappalli, TN, during 12.10.2020 to 16.10.2020.
- 5) One day workshop on “Hands on Training on Bioinformatics using Perl” organised by the Dept. of Computer Science and Engineering, UCE-BIT campus, Anna university, Tiruchirappalli, TN on 21.02.2020.
- 6) Industrial Training (3 weeks) on “Communication and networking Technologies,”Rajiv Gandhi Memorial Telecom Training Centre, (RGM TTC), BSNL Tamilnadu Telecom Circle, GST Road, Meenambakkam, Chennai. Course Duration 30/07/2020 to 19/08/2020.
- 7) “Intellectual Property rights & Entrepreneurship” organised by the PMO-IEDP, Entrepreneurship development and Innovation Institute at UCE-BIT campus, Anna University, Tiruchirappalli, TN, from 22nd to 23rd Nov 2019.
- 8) Science Academies’ Refresher Course on “ Known to unknown techniques in Biology” sponsored & supported by Indian Academy to Sciences, Bengaluru, Indian National Science Academy, New Delhi, National Academy of Sciences India, Allahabad, and organised by PG & Research Department

of Botany, St. Joseph's College , Tiruchirappalli, TN, from 1st to 15th November, 2018.

- 9) National Conference on “Biotechnology for Sustainable Development”, at Arunai Engineering College, Thiruvannamalai, TN, and presented a paper on the title “Extraction, Purification and Characterization of water soluble polysaccharides from *pithecellobium dulce*” during 16th & 17th march 2018
- 10) First Prize for Poster entitled “Skimmed milk powder and pectin coated solid lipid nanoparticle containing soluble curcumin: Potential cytotoxicity and G2/M phase apoptosis in human adenocarcinoma cells(Caco 2)” was presented at the “International conference on recent advances in food processing Technology” organised by Indian Institute of Food Processing Technology (IIFPT) Thanjavur, TN, during 17th to 19th August 2018
- 11) National Conference on “ Technologies and Prospects of Fisheries and Aquaculture” (NCTPFA -2018), sponsored by DST-PURSE-II & UGC –SAP-DRS-II, Department of Animal Science and presented a poster entitled Development and Evaluation of curcumin floating microspheres for eradication of *Helicobacter pylori*” on March 19, 2018 organised by the Department of Animal Science, School of Life Sciences, Bharathidasan University, Tiruchirappalli, TN.
- 12) Science Academies’ Lecture workshop “Current scenario in Microbiology and Biotechnology” sponsored by Indian Academy to Sciences, Bengaluru, Indian National Science Academy, New Delhi, National Academy of Sciences India, Allahabad, organised by Department of Microbiology, Bharathidasan University, Tiruchirappalli, TN, on 17th & 18th July 2018.
- 13) Third National Seminar on “Advanced Oxidation Processes (AOP 2017)” held at Department of Chemistry, Bharathidasan Institute of Technology campus, Anna University, Tiruchirappalli, TN, in association with Society for Environmental chemistry and applied sciences (SECAS), India, during 17th to 19th December, 2017.

- 14) TEQIP II sponsored Faculty Development Programme (2016) organized by BIT campus, Anna University, Tiruchirappalli in association with confederation of Indian industry(CII) on 1st March (1 day).
- 15) TEQIP II sponsored Faculty Development Programme (2015) on Nano technology applications in engineering and Technology, organised by Department of Petrochemical Technology, BIT campus, Anna University, Tiruchirappalli during 6th to 19th May (14 days).
- 16) AICTE, New Delhi sponsored Faculty Development Programme (2013) on Recent advancements on Herbal Formulations and Drug Delivery Systems of Indian systems of medicine, organized by Shirpur education society's R.C. Patel Institute of Pharmaceutical Education and Research, Dhule, Maharashtra during 27th may to 8th June (13 days).
- 17) UGC sponsored Orientation Programme(2012) conducted by UGC academic staff college, Bharathidasan University, Tiruchirappalli during 8th May to 4th June (28 days).
- 18) AICTE Sponsored Staff Development Program (2006) In Pharmacokinetics and PK PD Modeling Organised By Pharmacy Cell, University College Of Pharmaceutical Sciences, Kakatiya University, Warangal(AP) during 23rd October To 3rd November (12 days)
- 19) Indian National Science Academy sponsored Science academies Lecture workshop (2018) on Current Scenario in Microbiology and Biotechnology organised by Department of Microbiology, Bharathidasan University, Tiruchirappalli during 17th and 18th July(2 days).
- 20) DST-PURSE II & UGC –SAP –DRS II sponsored National Conference (2018) on Technologies and prospects of fisheries and aquaculture organised by Department of Animal Science, school of Life Sciences, Bharathidasan University, Tiruchirappalli during March 19th and presented a paper entitled Development and evaluation of curcumin floating microspheres(1 day).

- 21) Workshop (2016) on advances in Rheology organized by Department of Pharmaceutical Technology, Anna University in association with Anton Paar India Pvt.Ltd, Gurgaon, Delhi on 8th August 2016(1 day).
- 22) Simulation & modeling workshop(2016), organised by Gastro Plus, coimbatore , India during February 23rd to 25th(3 days)
- 23) TEQIP II sponsored National Seminar (2014) on Research Paper, Dissertation and Project Proposal preparation organised by Central Library BIT Campus, Anna University, Tiruchirappalli, 14th February(1 day)
- 24) National level seminar (2013) on Strategic Teaching Quality Management for Technical Teachers on 16th March(1 day)
- 25) Workshop on Descriptive Veterinary Pathology(2006) organised by IRIS Bioscience, Chennai during 27th to 28th March(2 days).
- 26) Ministry of Human Resource Development , Govt. of India Sponsored National workshop (2004) on Intellectual Property Rights organised by Sri Ramachandra Medical College and Research Institute, Chennai during 16th and 17th March (2 days).
- 27) UGC Sponsored workshop on Recent Trends in Chromatography, Annamalai University, Chidambaram, Feb. 2003.(3 days)
- 28) Third National Seminar (2017) on Advanced Oxidation Processes organised by Department of Chemistry, BIT Campus, Tiruchirappalli in association with Society for environmental chemistry and allied sciences, during 17th to 19th December (3 days)
- 29) APTI -16th Annual National Convention (2011) organized by ISF college of Pharmacy, Moga, Punjab during October 7th -9th 2011(3 days)
- 30) National Level Technical Symposium(2008) On Exploring The Research Platform For Pharmaceutical Product And Process Development (P3D' 08), Anna University, Trichy, March 15th to 16th (2 days).

➤ **International Conferences Participated:**

- 1) 38th CRS Annual Meeting & Exposition (2011) organised by Controlled release Society, Maryland, USA during July 30th -August 3rd (5 days).
- 2) Second International Conference and Indo-Canadian Satellite symposium(2007) on Pharmaceutical Sciences, Technology, Practice and Natural Health Products organised by JSS college of Pharmacy, JSS Mahavidyapeetha, Mysore during 24th to 26th Feb(3 days)
- 3) International congress (2003) of Indian Pharmacy Graduates Association organised by Annamalai University, chithambaram during 8th and 9th November(2 days).

➤ **Publications :**

1. Book:

- **Kavitha karuppaiyan**, Nilima Thombre, Hitendra mahajan, shilpa Chowdary, Karimunnissa sheikh, **Concepts of INDUSTRIAL PHARMACY –I**, First Edition, May, 2022, Pharma Career Publications.

2. Book Chapters:

- 1) R.Vijaya, **Karuppaiyan Kavitha**, Jamal Moideen Muthu Mohamed, Topical Herbal Nano Delivery System with Emphases on Boswellic Acid. 2022
- 2) Jamal Moideen Muthu Mohamed , Karuppaiyan Kavitha , Shagufta Khan , Fazil Ahmad , Venkatesan Krishnaraju, Solid lipid nanoparticles: the enhanced and targeted potential treatment of colorectal cancer, Nanotechnology Principles in Drug Targeting and Diagnosis- Micro and Nano Technologies, 2023, Pages 201-212, <https://doi.org/10.1016/B978-0-323-91763-6.00006-0>
- 3) K. Akilandeswari, M.Vijayalakshmi, **K.Kavitha**, A.Vinitha, Shanthini. The plummet of synthetic dyes, March 2016, ISBN no. 978-93-5254-503-2, ASSVET International Publisher Co, Editors Dr.M.Arulmozhi, Dr.K.Kumaraguru
- 4) Bharaneetharan, **K.Kavitha**, K. Akilandeswari, M.Vijayalakshmi. Fuel formation, March 2016, ISBN no, 978-93-5254-503-2, ASSVET International Publisher Co, Editors Dr.M.Arulmozhi, Dr.K.Kumaraguru
- 5) K. Akilandeswari, M.Vijayalakshmi, **K.Kavitha**. Phytodrugs, March 2016, ISBN no. 978-93-5254-503-2, ASSVET International Publisher Co, Editors Dr.M.Arulmozhi, Dr.K.Kumaraguru

International Journals:

S.No Publications

1. Chitra Karthikeyini Senthivel, Kavitha Karuppaiyan, Fazil Ahamad, Jamal Moideen Muthu Mohamed, Mohamed El-Sherbiny, Atheer Turki Alotaibi, Sally Yussef Abed, Khalid M. Ibraheem & Mohamed Salama, Terminalia Chebula loaded polymeric nanoparticles: a preliminary approach for status epilepticus, *Chemical Papers*. 78, 1265–1275 (2024). <https://doi.org/10.1007/s11696-023-03164-w> **IF: 2**
2. Jamal Moideen Muthu Mohamed, **Karuppaiyan Kavitha**, Fazil Ahmad, Mohamed El Sherbiny, Hasnaa Ali Ebrahim, Mohamed Ahmed Eladi, Amal F.Dawood, S.T.Sheik Abdul Khader, Dawit Mamiru Teressa, An ideal approach for Enhancing 5-Fluorouracil Anticancer Efficacy by nanaoemulsion for cytotoxicity against aHuman Hepatoma cell line(HepG2 cells), *Biomed Research International*, 2022, <https://doi.org/10.1155/2022/4094132>, 1-10 **IF :3.24**
3. S. Chitra Karthikeyini, **K. Kavitha**, and P. S. S. Ramkumar, Optimization, Characterization And Pharmacological Activity Of Berberine Loaded Nanoparticles - An Approach To Improve The Efficacy Of Anticonvulsant And Antioxidant Activity, *International Journal of Pharmaceutical Sciences and Research* (2021), Volume 12, Issue 11, 5723-5738
4. Muthu M. J. Moideen, **Kavitha Karuppaiyan**, Ruckmani Kandhasamy, Shanmuganathan Seetharaman, Skimmed milk powder and pectin decorated solid lipid nanoparticle containing soluble curcumin used for the treatment of colorectal cancer, *Journal of food process engineering*, 43(3), 2020, e13246, **IF-1.448**
5. Nandhineeswari Sivakumar **Kavitha Karuppaiyan**, Extraction and characterization of water-soluble polysaccharides from *Tamarindus indica* and *Pithecellobium dulce* seeds, *Journal of food process engineering*, 43(3), 2020, e13251, **IF-1.448**
6. Chithra Karthikeyini, **Kavitha Karuppaiyan**, Muthu mohammed Jamal moideen, Development of capsules filled with phenytoin and berberine loaded nanoparticles- A new approach to improve

anticonvulsant efficacy, Indian journal of pharmaceutical education and research, 2019;53(3): 468-479. **IF-0.425**

7. Mohamed J Muthu, **K Kavitha***, Karthikeyini S Chitra, S Nandhineeswari, Soluble curcumin prepared by solid dispersion using four different carriers: Phase solubility, molecular modelling and physicochemical characterization, Tropical Journal of Pharmaceutical Research, August 2019; 18 (8): 1581-1588, **IF -0.569**
8. Chithra karthikeyini S, **Kavitha K**, Nasal Drug Delivery-A Pre Hospital Therapy in Status Epilepsy-Review, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 11, Issue 3 Ver. II, May - Jun.2016, PP 39-46
9. **K.Kavitha**, P.Vishva Ranjani. Solubility enhancement – A challenge for hydrophobic drugs IOSR Journal of Pharmacy and Biological Sciences e-ISSN: 2278-3008, p-ISSN: 2319-7676. 10(6), Nov - Dec. 2015, PP 50-60
10. **Kavitha K**, Kanagathara N, Optimization and Solubilization of Novel Nanoemulsion Formulation for 5 Fluorouracil by applying Pseudoternary Phase Diagram, Asian Journal of Pharmaceutical and Clinical Research 2014, 7(2), 137-139.
11. **Kavitha K**, Kanagathara N, Evaluation of HER2/NEU over expression in breast cancer. Int J Pharm Pharm Sci, 2014, 6(2) 892-900.
12. CN Nalini, **K Kavitha**, S Ramachandran, VBS Kumar, Discriminatory dissolution method development and validation for cephalexin OD tablets, International Journal of Pharmaceutical Sciences and Research 2011, 2 (11), 2863-2869
13. **K.Kavitha**, Kanagathara. N, C.N Nalini. si RNA-A novel therapeutics. Biomedicine:34(2)2014, 156-162
14. **K.Kavitha**, G.Srinivasa Rao, C.N Nalini. An Investigation on Enhancement of Solubility of 5 Fluorouracil by Applying Complexation Technique- Characterization, Dissolution and Molecular-Modeling Studies, Journal of Applied Pharmaceutical Science, 3(3), March, 2013,162-166

15. **Kavitha.K**, Sailasri.Y, Akilandeswari.K, Vijayalakshmi M, Velmani gopal and Nalini CN, Design and Optimization of Anti-Depressant Sustained Release Matrix Tablets, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 4 (2), Apr -Jun 2013,919-927
16. **K.Kavitha**, GL.Balamurugan. A Review on PEG-ylation in Anti-Cancer Drug Delivery Systems, International Journal of Research in Pharmaceutical and Biomedical Sciences, 4 (1), 296-304, Jan- Mar 2013
17. C.N Nalini, G.Srinivasa Rao, **K.Kavitha**, S.Ramachandran. Aurora kinases-the key mitotic regulators, Int J Pharm Pharm Sci, 5(2), Apr 2013,49-57
18. C.N Nalini, AMI Shahul Hameed, **K.Kavitha**, S.Ramachandran, Validated specific hplc method for the determination of clopidogrel in the presence of degradation products formed under ich stress conditions, International Journal of Biological and Pharmaceutical Research, 4(6), 2013,397-401
19. K.Akilandeswari, **K.Kavitha**, M.Vijayalakshmi. Production of bioactive enzyme l-asparaginase from fungal isolates of water sample through submerged fermentation, Int J Pharm Pharm Sci, 4(4), Jun 2012, 363-366.
20. **K.Kavitha**. Design And Characterization Of Targeted Drug Delivery Systems Of 5 Fluoro Uracil, International Journal of Pharma and Bio Sciences Vol 3/Issue 1/Jan – Mar 2012 IF:0.47
21. C.N Nalini, S.Ramachandran, **K.Kavitha**, V.Sai sarasvathi. Glycolamide Esters of Naproxen as Potential Prodrugs - Synthesis, Spectral Studies and Preliminary Pharmacological Screening , International Journal of Research in Pharmaceutical and Biomedical Sciences Vol. 2 (3) Jul – Sep 2011 www.ijrpbsonline.com 1116
22. C.N Nalini, S.Ramachandran, **Kavitha K**. Simultaneous Determination of Ofloxacin and Ornidazole in Tablets by Spectrophotometry and Reverse Phase HPLC, RJPBCS Volume 2 Issue 3 July – September 2011 Page No. 707
23. Ramanathan.G, **Kavitha.K**, Archana T.N, Nalini C.N, and Anandkumar M.A Formulation of floating tablets of mefenamic acid with different grades of hydroxy propyl methyl cellulose polymer and studying the release profiles, Int.J.Drug Dev. and Res. 2(3), July-

September 2010, 599-604.

24. Nagarajan Nalini, Srinivasa rao, Manikandan, **Kavitha K**. Synthesis and anti-microbial screening of some novel sulphonamide containing heterocyclic Derivatives, *Journal of Pharmacy Research*, 2010, 3(9), 2258-2261
25. **Kavitha K**, Srinivasa Rao G, Nalini C N and Pavithra P T, Formulation and characterization of Floating Tablets of 5 fluoro uracil with Different Grades of Hydroxy Propyl Methyl Cellulose, *Journal of Chemical and Pharmaceutical Sciences*, 2009,2(2).
26. **K Kavitha**, S Rao, An investigation on enhancement of solubility of 5 fluorouracil by applying complexation technique-characterization, dissolution and molecular-modeling studies, *Journal of Applied Pharmaceutical Science* 2009: 3 (3), 162

6) National Journals:

- 1) M.Vijayalakshmi, K. Akilandeswari, **K. Kavitha**, S.Gokila, R.Vinothkumar. "Green synthesis and antibacterial activity of green synthesis using *cressa cretica* plant extract," *Chemical Letters*, 2018; Vol.1 (1). Pp.12-18.
- 2) **K.Kavitha**, R.Elaiyakumar, A.Sampath, R.Sivasankar, S.Vinothini, R.Bharathi, D,Kavitha , Formulation and evaluation of antimicrobial gels embedded with plant derived silver nanoparticles, *Pharmacological and Pharmaceutical reports*, 2018, Vol.1(1), 13-21, DOI: 10.26524
- 3) K.Akilandeswari, M.Vijayalakshmi, **K.Kavitha** and M.Girija, "Antibacterial, cytotoxic studies of *Azukia mungo* (L) masam and correlation with in silico docking studies". *Research & Reviews: A Journal of Toxicology*, 2017; Vol.7,no.3. pp. 21-31.
- 4) C.N Nalini, **Kavitha K**, Simultaneous Determination of Pseudoephedrine Hcl And Cetrizine Hcl By RP –HPLC, *IJPS*, Jan – Feb, 2006, 68(1), 95-97. **IF- 0.455**
- 5) **Kavitha K**, C.N.Nalini, G.D.Kasthuri. Effect Of Betadex On The Solubility And Dissolution Behaviour Of Rofecoxib "*The Antiseptic*", 2004, 101 (10), 463-465.

- 6) C.N. Nalini, **Kavitha K**, K.Murali Krishna. Simultaneous Estimation Of Ofloxacin And Ornidazole In Tablets By RP – HPLC, *Chemistry – An Indian Journal*, Dec, 2003, 1(4), 290- 295.
- 7) **Kavitha K**, Sivarama Krishnan M, Nalini C.N. Formulation And Evaluation Of Topical Drug Delivery Systems Of Fluconazole, *Indian Drugs*, Dec, 2003, 40(12), 720-723.
- 8) Nalini CN. **Kavitha K**, Cherian. RS. Simultaneous Determination Of Pseudoephedrine Hydrochloride And Cetrizine Hydrochloride By Derivative Spectroscopy, *Indian Drugs*, Nov. 2003, 40(11), 658- 660.

➤ **Papers Presented in Conferences**

a. International Conferences:

- First Prize for Poster entitled “Skimmed milk powder and pectin coated solid lipid nanoparticle containing soluble curcumin: Potential cytotoxicity and G2/M phase apoptosis in human adenocarcinoma cells(Caco 2)” was presented at the “International conference on recent advances in food processing Technology” organised by Indian Institute of Food Processing Technology (IIFPT) Thanjavur, TN, during 17th to 19th August 2018
- National Conference on “ Technologies and Prospects of Fisheries and Aquaculture” (NCTPFA -2018), sponsored by DST-PURSE-II & UGC –SAP-DRS-II, Department of Animal Science and presented a poster entitled Development and Evaluation of curcumin floating microspheres for eradication of Helicobacter pylori” on March 19, 2018 organised by the Department of Animal Science, School of Life Sciences, Bharathidasan University, Tiruchirappalli, TN.
- National Conference on “Biotechnology for Sustainable Development”, at Arunai Engineering College, Thiruvannamalai, TN, and presented a paper on the title “Extraction, Purification and Characterization of water soluble polysaccharides from pithecellobium dulce” during 16th & 17th march 2018
- **38th CRS Annual Meeting & Exposition (2011) organised by Controlled release Society, Maryland, USA during July 30th -August 3rd**
 - Gastroretentive Drug Delivery Systems
- Second International Conference And Indo- Canadian Satellite Symposium On Pharmaceutical Science, Technology, Practice and Natural Products, 24th to 26th Feb.2007 JSS, Ooty, India

- Targeted Drug Delivery Of Clarithromycin Floating Tablets and Its Characterisation
 - Formulation Of Carvedilol Bioadhesive Microspheres
 - Prodrugs of Naproxen – Antiinflammatory and Ulcerogenic Activity.
- International Congress of Indian Pharmacy Graduates 2003, held at Annamalai University during 8th and 9th November 2003
- Effect of Betadex on the Solubility and Dissolution Behaviour of Rofecoxib

b. National Conferences:

- II National Convention of Pharmacy Educators held at college of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore during 4th & 5th March 2006
- Microwave Assisted synthesis of chalcones, pyrazolines, Aminopyrimidines, Pyrimidine

➤ **PATENTS**

- Novel Sublingual Pharmaceutical compositions of Famotidine and Process for the Preparation thereof. N. sathammai Priya, Gyanshankar Praphullakumar Mishra, Kavitha K, Mahendra Pratap Swain, Santhosh Kumar C, Nalini.C.N, Indian Patent Application Number:202241012934; 8th March 2022.

DECLARATION:

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