

CURRICULUM VITAE



Dr. RAJAMMA.A.J.

Principal and Professor

Dept. of Pharmacognosy

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Professional Experience

1. Principal & Professor, KLE College of Pharmacy, since 1st July 2022 to till date.
2. Vice Principal & HoD, KLE College of Pharmacy, since 1st October 2021 to 30th June 2022.
3. Professor & HoD, KLE College of Pharmacy, Bengaluru since 1st Feb 2020 till date.
4. Associate Professor & HoD, KLE College of Pharmacy, Bangalore since 1st June 2013 to 31st Jan 2020.
5. Asst. Professor since 20th February 2004 to 1st November 2009.

Research Experience

1. Project entitled “**Bioassay guided isolation of mosquito larvicidal principles from Western ghat plants**” under vector science forum (ICMR) was completed and received Rs. 22, 56,940.
2. Consultant for Minor research project on “**Extraction of phytochemicals and Essential oils from different parts of plants by using soxhlet and Clevenger apparatus**” sanctioned under the Colleges with Potential for Excellence” (CPE) programme
3. Chief consultant for the work “Quality control test report for Curcumin tablets” from **Novel Nutrients Pvt Ltd, Bengaluru.**
4. Consultant for the project “**Extraction and identification of flavanoids from *Ruta graveolense***” for the UGC project, in the year 2015.
5. During post – graduate studies carried out Research Project on “Invitro micropropagation of some medicinal plants”, under the guidance of Dr. S. Shashidhar, Ph.D. Professor, Government College of Pharmacy, Bangalore.
6. Ph.D project on “Formulation and Evaluation of herbal products for insecticidal properties” was carried out under the guidance of Dr. Sonal Dubey, Ph.D. Associate Professor, KLEU’s College of Pharmacy, Bangalore.

PhD Guide: Registered 03 Students, 02 student completed & 01 - Ongoing

Accomplishments

1. Successfully led the NAAC accreditation process as the **NAAC Coordinator of KLECOP, Bengaluru** and secured ‘A⁺’ grade status to KAHER University in 2021.
2. ‘Certificate of Appreciation’ in 2020 by KLE College of Pharmacy, Bengaluru.
3. **Best Teacher Award – 2017 by KAHER, 5th September 2017.**
4. Honored by KLE society on 106th KLE Society’s Foundation Day (13.11.2021) for the academic achievements.

Resource Person:

1. Delivered a talk on “Empowering women” on women’s equality day at Mallige College of Pharmacy, Bengaluru on 26th Aug 2024.
2. Delivered a talk on “Value and importance of plants in medicine” held during 15th October

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2018, UGC- CPE sponsored one day state level seminar on Medicinal plants- Elixer of life at Sharadha sabangana, S.Nijalingappa College, Dept.of Botany, Bengaluru.

3. Delivered atalk on“Herbal Drugs—New Millennium, Leads and cures” held during February 20-22, 2017, in National Seminar on “Recent Trends in Cancer Research & Herbal Drugs-Challenge and Scope” at Bharathi College of Pharmacy, Bharathinagara, Mandya, Karnataka.
4. Invited guest talk delivery on Scope of Pharmacy in induction program of D.Pharmacy in Ayurveda for BMK Ayurveda Mahavidyalaya on 7th Aug 2025.
5. **Co-Chairperson** to scientific symposium in the 63rd Indian Pharmaceutical Congress, held in Bangalore, India, on 16-18 December 2011.

Professional Summary

1. **PhD.,in** Pharmacy, Vinayaka Missions University, Salem
2. **M.Pharm** in Pharmacognosy, Government College of Pharmacy, RGUHS, Bengaluru.
3. **B.Pharm**, Bharathi College of Pharmacy, Bharathinagara, Mysore University, Mysore.
4. **Completed NPTEL Course on“Basic concepts of Research methodology”2020, IISc, Bengaluru.**
5. **Completed 3months course on Plant tissue culture in 2005 at IISc, Bengaluru.**
6. **M.Pharm Dissertation Projects Guided:10+**
7. **ResearchPublications:30+**
8. **ORCID:** 0000-0002-6877-1309
- 11.**VIDWANID:** [263362](#)
- 10.**Webof science:** AAH-6499-2020

Book Published:

1. Authored a book on“Physical Pharmaceutics-Principles of Formulation”in 2021.
2. Book chapter “ Bioactive natural products” published in Advances in essential oils and natural products.

Conference Presentations

1. **Best oral** presentation for “Effect of Artocarpus Lakoocha Roxb., on Growth and Development of *An. stephensi*, *Ae. aegypti* and *Cx. quinquefasciatus*” during the International Conference on Medicinal Plants and Drug Discovery (MPDD2018) held at Vivanta By Taj MG Road, Bangalore, from July 18-20, 2018.
2. **Young scientist award** for best poster presentation at XI joint annual conference of ISMOCD&IAE Sponsored by ICMR,WHO & Govt. Of Karnataka on 10-12, June 2016, for isolation, Characterization & formulation of eco-friendly pesticide from cleome viscosa Linn.
3. **Best posteraward** for “Preliminary evaluation of mosquito larvicidal activity of *Artocarpus lakoocha* Roxb.” Presented at national level conference in IPA 2014, at NIMHANS convention centre, Bangalore.
4. A comparative study of “Biocontrol efficacy of crude *ocimum* extracts against larval forms of *Culex quinquefasciatus* presented in international herbal conference held in Bangalore, Feb 2009.
5. Taste masking evaluation of cefetamet pivoxil hydrochloride granules: comparison among different preparation methods” in 59th Indian Pharmaceutical Congress, Dec. 2007.
6. Tissue culture studies of *Tylophora indica* (burm.f.)merr, presented in 58th Indian

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Pharmaceutical Congress 2006.

Publications:

1. Afrasim Moin, Sateesha S.B, Gokul Chowdappa., **Rajamma Abburu Jayaramu**, Abubakar Mohamedtoom Awadalkarim. Decoding Psoriasis: Pathological Mechanisms, Evolving Treatments, Clinical Investigations, and Future Perspectives. *Cutan Ocul Toxicol.* 2026 (In Press)
2. Ankith NA, Sateesha S.B, Shivanand K Mutta, **Rajamma Abburu Jayaramu**, Chandan Ravandur Shivanna, Durgashree Diwakar, Shrikishan B, Girija Easwaradas Kreedapathi. Eletriptan HBr Loaded Solid Lipid Nanoparticle Integrated Microneedles: A Targeted and Minimally Invasive Approach for Migraine Management. *J Drug Target.* 2026. (In Press)
3. **Rajamma A.J.** Sateesha S.B., Shivanand K., Shruthi Eshwar., E.K.Girija., Vivekanand K., and Muthu Devaraj. Development and Evaluation of Cationic Surface-Modified Hydroxyapatite Nanoparticles for Enhanced Membrane Permeation. *Cutan Ocul Toxicol.* 2026 Jan 30:1-13 <https://doi.org/10.1080/15569527.2026.2618006>
4. Moin A, Ram S, Sateesha S.B, Hussain T, Abu Lila AS, **Rajamma A.J**, Rizvi SMD, Anwar S, Chandan K. Piperine-loaded solid lipid nanoparticles: a promising nano-phytomedicine for the treatment of non-alcoholic fatty liver disease. *Front Pharmacol.* 2026 Jan 14;16:1646530. <https://doi.org/10.3389/fphar.2025.1646530>
5. Chethan Kumar K B, Sateesha SB, Ankith N A, **Rajamma AJ**, Durgashree Diwakar², E KGirija, Likhitha C N. Chitosan- β -Glycerophosphate Thermo-gelling Microneedles for Transdermal Contraceptive Delivery of Levonorgestrel. *J Drug Target.* Published online August 22, 2025. doi:10.1080/1061186X.2025.2551816
6. Afrasim Moin, VRSS Prashanth P, Sateesha SB*, **Rajamma AJ**, Sathvik K, Amr Selim Abu Lila. Solid-State Characterization of Fluconazole Polymorphs: Temperature and Time-Triggered Analysis. *Journal of Young Pharmacists*, 2025. (In press). (Impact Factor 0.8)
7. Mousam Bhowmik, **Rajamma A.J.**, Sateesha S.B*., Chandan R.S., Girija E. K., Punith M, Ebna Azizal Omar & Rajesh R. Cyanocobalamin-loaded dissolving microneedles for enhanced transdermal delivery: development, characterization, and pharmacokinetic evaluation. *Biomed Microdevices* 27, 20(2025). <https://doi.org/10.1007/s10544-025-00747-0>(Impact Factor 3)
8. Punith M, **Rajamma AJ**, Sateesha SB*, E.K. Girija, Chethan Kumar KB, Ankith NA, Mousam Bhowmik, Durgashree Diwakar, Manjunatha PM. Design and formulation of fast-dissolving microneedles for the rapid transdermal delivery of lorazepam. *J Drug Target.* 2025 Apr 3:1-13. doi: 10.1080/1061186X.2025.2483720 (Impact Factor 4.6)
9. Akshi Deb, Sateesha SB*, Shrikishan B, Sunil Gowda HP, **Rajamma AJ**. Advancements in Drug Delivery for Hyperpigmentation: Emerging Therapies and Future Prospects. *Cutaneous and Ocular Toxicology.* (In press). (Impact Factor 1.7)
10. Amr Selim Abu Lila, Abubakar Mohamedtoom Awadalkarim, Asma Ayyed AL-Shammary **Rajamma A.J**, Afrasim Moin, Nabeel Ahmad, Sateesha SB, Preethi B Gopalpura and Syed Mohd Danish Rizvi. Eco-friendly synthesis, characterization and biological evaluation of silver nanoparticles using Ylang-Ylang oil and Tea-tree oil. *Nano Express* 5 (2024),1-13. (impact factor 2.7)
11. Gopalakrishna PK, **Jayaramu RA**, Boregowda SS, Eshwar S, Suresh NV, Abu Lila AS, Moin A, Alotaibi HF, Obaidullah AJ, Khafagy ES. Piperine-Loaded In-Situ Gel: Formulation, In Vitro Characterization, and Clinical Evaluation against Periodontitis. *Gels.* 2023 Jul 14;9(7):577.
12. Anupama Singh, Sateesha Shivally Boregowda, Afrasim Moin, Amr Selim Abu Lila,₃

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- Mohammed F. Aldawsari, El-Sayed Khafagy, Hadil Faris Alotaibi, **Rajamma Abburu Jayaramu**. Biosynthesis of Silver Nanoparticles Using Commiphora mukul Extract: Evaluation of Anti-arthritis Activity in Adjuvant-Induced Arthritis Rat Model. *Pharmaceutics* (MDPI). 2022 Oct 28; 14(11):2318. (Impact Factor 6.55)
13. Sateesha SB, Nithin K, **Rajamma AJ** & Chandan K. Effect of traditional herbal formulation on experimental models of Ulcerative colitis. *The Natural Products Journal*, 2021, 11(3), 404-413. (impactfactor 1.01)
 14. Sateesha SB, Sadanand RM, **Rajamma AJ**, Nethravathi P & Nikhat P. Development of an *In situ* gelpolymer for local and sustained delivery of drugs in vaginal cavity. *Drug delivery letters*, 2019, 9, 211-221. (Bentham Science)
 15. Prashanthi P, **Rajamma AJ**, Sateesha SB and Ghosh SK. Standardization and larvicidal activity of Cleome viscosa Linn. *Journal of Pharmacognosy and Phytochemistry* 2019; 8(1): 2347-2352.
 16. Shekar HS, **Rajamma AJ*** and Sateesha SB. Ultrasound- induced microencapsulation of simvastatin for gastro retention and controlled delivery. *Indian J Pharm Sci* 2018;80(4):647-656.
 17. Shekar HS, **Rajamma AJ*** and Sateesha SB. Application of Ultrasound to Pharmaceutical Industry: An Overview. *J Pharm Drug Deliv Res* 2017; 6 (2).
 18. Shekar HS, **Rajamma AJ*** and Sateesha SB. Simvastatin causing Rhabdomyolysis - A case on drug- drug interaction. *Indian Journal of Hospital Pharmacy*, 54, 2017.
 19. Shekar HS, **Rajamma AJ***, Sateesha SB and Nagaraju B Evaluation of Statins and Orlistat. *J. Hosp. Pharmacy* 12(1) Jan. to March, 2017 (Supplement Issue-A).
 20. P Prashanthi, **A J Rajamma***, S B Sateesha, K Chandan, S N Tiwari and S K Ghosh Pharmacognostical and larvicidal evaluation of *Artocarpus lakoocha* Roxb. from Western Ghats. *Indian Journal of Natural Products and Resources*, 2016, 7(2), 141-149.
 21. **Rajamma A. J.**, Sateesha S. B., M. K. Narode, Prashanth V. R. S. S. and Karthik. A. M. Preparation and Crystallographic Analysis of Gliclazide Polymorphs. *Indian Journal of Pharmaceutical Sciences*, 2015, 77(1):1-126.
 22. **Rajamma AJ**, Sateesha S.B. "Development of fast dispersing tablets of nebigolol: experimental and computational approaches to study formulation characteristics." *Brazilian Journal of Pharmaceutical Sciences*, 2014:50(4).
 23. Govindaraju M, Shekar HS, Sateesha SB, Vasudeva Raju P, Sambasiva Rao KR, Rao KSJ, and Rajamma AJ. Copper interactions with DNA of chromatin and its role in neuro degenerative disorders. *Journal of Pharmaceutical Analysis*, 3:5, 2013.
 24. **Rajamma.A.J** Yogesh H.N, Sateesha S.B., Natural gums as sustained release carriers: development of gastroretentive drug delivery system of ziprasidone HCl. *DARU*, 2012, 20(58), 1-9.
 25. **Rajamma AJ**. Dubey S, Sateesh SB, Tiwari SN, Ghosh SK. Comparative larvicidal activity of different species of *Ocimum* against *Culex quinquefasciatus*. *Natural Product Research*, 2011, 25(20), 1-7.
 26. Sateesha S.B., Prakash rao B, Rajamma.A.J and LVG Nargund. and Gastro Retentive Orlistat Microspheres: Formulation, Characterization". *Dissolution Technologies*, 2011, 18 (3), 118-125.
 27. Sateesha SB., **Rajamma AJ.**, Shekar HS., Divakar G. Formulation development and rheological studies of palatable cefetamet pivoxil hydrochloride dry powder suspension. *DARU*, 2011, 20(2), 118-125.

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28. Sateesha SB*, **Rajamma AJ**, Shekar HS, Mohamed Mutahar RK and Jayanthi A. Formulation and stability study of palatable norfloxacin dry syrup: comparison among different preparation methods. *Asian Journal of Pharmaceutical Sciences*, 2010,5(5),175-184.
29. **Rajamma A.J**, Sonal Dubey* and Sateesha S.B. Pharmacognostic Evaluation and Larvicidal Activity of Selected Three Ocimum Species. *Pharmacologyonline*, 2010, 1, 789-796.
30. Sateesha SB*, Prakash Rao B, **Rajamma AJ** and Nargund LVG. Study of *Invitro* Dissolution and *Invivo* Bioavailability of Gliclazide in Presence of Hydrophilic Polymers. *Journal of Pharmacy Research*, 2010, 3(12), 3113-3117.
31. Sateesha SB*, Prakash Rao B, **Rajamma AJ** and Nargund LVG. The Effect of Polymers on the Aqueous Solubility and Dissolution Behavior of Gliclazide- β -Cyclodextrin Complex. *Der Pharmacia Lettre*, 2010, 2(3), 237-248.
32. Sateesha SB*, **Rajamma AJ**, Narode MK, Vyas BD. Influence of Organic Acids on Diltiazem HCl Release Kinetics from Hydroxypropyl Methyl Cellulose Matrix Tablets. *J Young Pharm (Medknow publications)*, 2010, 2 (3), 229-233.
33. Rajani G.P., Ranjana kumara M, Mahesh nayak K, Thimmaiah N.V., Faiyaz ahmed and **Rajamma A.J.** "Asthma, an overview and herbs used to treat Asthma" *Journal of Pharmacy Research*, 2009, 2(7), 1188-1191.
34. **A.J.Rajamma***, S.B.Sateesha, S.Sashidhara, A.Thirugnana Sambanathan and P.E.Rajashekar. Regeneration of multiple shoots from leaf and nodal explants in coleus *forskohlii, briq.* A threatened medicinal plant. *Asian journal of pharmaceutical and clinical research*, 2008, 1(3), 21-26.
35. A. Thirugnana Sambanathan, Basavaraj Hulkoti and **A.J.Rajamma.** "Synthesis of isomeric groups of substituted Quinazolones for their antibacterial and anti-inflammatory activities". *Oriental Journal of Chemistry*, 2007, 23(3), 1031-1034.
36. S.N.Dharwadkar, D. Sanna Durgappa, S.M.Hippargi and **Rajamma. A.J.** Acute toxicity and antagonism of arsenic trioxide and sodium selenite to cyprinus carpio (common carp) *Bull.Env.Sci*, Vol I XIV (2nd issue), 2006, 217 – 222.

Association with Professional Bodies

- Registered Pharmacist-Karnataka State Pharmacy Council
- Member of APTI

Declaration: I hereby declare that the above furnished details are true to the best of my knowledge and belief.

Yours sincerely,

Place: Bengaluru

Date: 6.05.2026

(Dr. Rajamma. A.J.)