

Pharma Cognizance

JANUARY - JUNE, VOL-12, 2025



AMRITA
VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY

School of
Pharmacy



A Moon of Love and a Sun of Wisdom: Guru Purnima 2025



It was a day to honour the Guru as both the moon of love, which dispels sorrow and brings joy, and the sun of wisdom, which destroys the darkness of ignorance.

"The Guru leads the disciple from untruth to truth, from darkness to light, and from death to immortality—a debt that can never truly be repaid," said Amma during this year's Guru Pūrnima address in Amritapuri.

Amma said the Guru is ever-present, visible in all her children and in nature itself, which constantly teaches through countless examples. She emphasised that learning to share selflessly is the highest lesson.

"Only those who have truly gained can give, and only those who know can impart knowledge—this is the true role of the Guru."

Amma always cautions: Even our next breath is not in our hands. Life is like a bubble; it can burst at any time. Our true lifespan is not measured in years but in the moments when we live with awareness and discernment.

Let us always remember why we came into this world. May we live with that awareness, and may we attain the goal in this very lifetime.

May divine grace bless all my children.



***Celebrating the Mother of All : Amma honoured
with the Vivekananda International
Relations Peace Award***

Amma was bestowed the Vivekananda International Relations (VIR) Peace Award for embodying unconditional love, compassion, and service to humankind.

The awards revere the legacy of Swami Vivekananda, who in the late 19th century inspired a global awakening to the universality of all faiths, bridging East and West.

Amma emphasised the importance of collective responsibility for global peace, speaking about the illicit drug epidemic as even more dangerous than war.

Oṃ Lokah Samasthah Sukhino Bhavantu
May all beings everywhere be happy and free.

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GOVT. OF INDIA | UNIVERSITY IN INDIA

 **NAAC A++**
ACCREDITED

 **CATEGORY 1**
GRADED AUTONOMY
UGC, GOVT. OF INDIA



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ABOUT AMRITA SCHOOL OF PHARMACY



Amrita School of Pharmacy, a constituent school of Amrita Vishwa Vidyapeetham, is renowned for its high-quality educational programs and research in pharmaceutical sciences. Located in the vibrant city of Kochi, the School offers the most sought-after programs in the field of Pharmacy, recognized by the Pharmacy Council of India (PCI).

Part of the Amrita Health Sciences Campus, Kochi, the School commenced its Undergraduate (B.Pharm) program in 2005 and proudly celebrates 20 years of academic excellence in 2025. Since adopting a semester-based curriculum in 2010, it has integrated structured practice school training, research projects, and extensive support for scientific research and publications.

The School also offers Postgraduate (PG) programs in M.Pharm, Pharm.D, and Pharm.D (Post Baccalaureate (PB)). The M.Pharm program is offered in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, and Pharmacy Practice, attracting students from various states across

India. Pursuing a program at Amrita holds significant value for those aspiring to build advanced careers in pharmaceutical sciences due to its research and innovation-oriented learning and placement support.

The Doctor of Pharmacy (Pharm.D and Pharm.D (PB)) program is internationally acclaimed, preparing students to meet global healthcare demands. The program trains students in rationalizing patient medication therapy and improving patient outcomes, with extensive clinical training at the Amrita Institute of Medical Sciences (AIMS) hospital.

The School also offers a Ph.D. in Pharmaceutical Sciences.

Students at Amrita are holistically trained across Knowledge, Skill, and Attitude, ensuring all-round professional development. The school strives to create qualified, skilled, and competent pharmacy professionals for healthcare and industry, as well as graduates for higher education, research, and entrepreneurship. The exemplary practices by the school have

helped in high rates of placements for students in various top-notch industries and hospitals.

VISION

To become a globally recognized academic and research-driven centre of excellence in pharmaceutical sciences through interdisciplinary collaboration that fosters innovation and excellence. We envision being a catalyst for positive change in healthcare, contributing to a sustainable future through holistic education, cutting-edge research, and community engagement.

MISSION

To provide high-quality academic programs and conduct impactful research for sustainable solutions to local and global challenges in pharmaceutical technology and practice. We aim to mold the students to become globally competent and compassionate pharmacy professionals and scientists with the knowledge, skills, and values necessary to excel in a rapidly evolving healthcare landscape.

ACADEMIC EVENTS

Symposium on Dissolution Science and Application

A Symposium on Dissolution Science and Application was held on 25th January 2025 at Amrita School of Pharmacy, Kochi, in collaboration with the Indian Pharmaceutical Association (IPA) Kerala State Branch, All India Pharmaceutical Associations Consortium (AIPAC), and Society for Pharmaceutical Dissolution Science (SPDS). The event focused on recent advancements in dissolution science and provided a platform for industry-academia interaction.

Highlights:

- The symposium was inaugurated by Dr. Sabitha M., Principal, Amrita School of Pharmacy, who emphasized the significance of dissolution studies in pharmaceutical research and drug development.
- Dr. Pankaj Mandpe, Senior Vice President, Micro Labs Limited, Mumbai, delivered a session on "Dissolution Science and Applications of USP 1, 2, and 3," discussing conventional testing techniques in detail.
- Mr. Samir Haddouchi, Managing

Director of SOTAX Pharma Services, France, presented on advanced dissolution methodologies relevant to modern pharmaceutical formulations.



- A live demonstration of the USP Type IV Dissolution Apparatus was conducted by Mr. Suhas Yawle, Associate Director, SOTAX India Pvt. Ltd., showcasing its utility for complex and poorly soluble drug formulations.
- The apparatus was made available at the college for three days, allowing students and faculty to gain hands-on experience and conduct sample analysis.
- The symposium saw enthusiastic participation from around 120 attendees, including final - year B. Pharm students, M.Pharm and Ph.D. scholars, and faculty members.



Jan Aushadhi Diwas



Jan Aushadhi Diwas was observed on 5th March 2025 at Amrita School of Pharmacy to raise awareness about affordable and quality generic medicines. The event featured an insightful keynote session by Mr. Ajith Kumar Thacholi Kommeth, CEO of



Deepak Distributors, the All Kerala Distributors for Jan Aushadhi.

Highlights:

- Mr. Ajith Kumar shared his expertise in pharmaceutical distribution, shedding light on the objectives and implementation of the Jan Aushadhi initiative.
- He gave a step-by-step guide on establishing a Jan Aushadhi Kendra, including eligibility criteria, application process, operational details, and available government support.
- Emphasis was placed on entrepreneurship opportunities for pharmacy students and the importance of customer education in ensuring



responsible medicine use.

- Mr. Ajith highlighted the price advantage of Jan Aus-hadhi generic medicines over branded drugs, underscoring the impact on low-income patients.
- He elaborated on the QA/QC protocols, reassuring that all generics are tested at NABL-accredited labs to ensure safety, efficacy, and quality standards equal to branded medications.
- An interactive discussion followed, where students and faculty discussed pharmacist responsibilities, public perception of generics, and career opportunities in public health initiatives.
- The event concluded with Dr. Sabitha M., Principal, presenting a token of appreciation to the speaker.
- The program was attended by Pharm.D and B.Pharm students, enriching their understanding of the pharmacist's role in affordable and accessible healthcare

National Science Day & International Women's Day Celebration



- Dr. Laloraya discussed the barriers faced by women in science, emphasizing resilience, self-care, and the need for systemic support.
- She shared key findings from her research, including the impact of PCOS in females and the emerging form of PCOS in adolescent males, alongside motivational personal anecdotes.
- The talk inspired students across B.Pharm, Pharm.D and M.Pharm and concluded with the National Anthem.

The National Science Day and International Women's Day Celebration was jointly organized by the Co-Curricular Committee and IPA SF Amrita Student Chapter on 4th March 2025, followed by a Fitness Awareness Program on 19th March 2025, aligning with UGC recommendations. The events celebrated scientific contribution and women's health with inspiring talks and engaging activities.

Highlights – 4th March 2025:

- The keynote address was delivered by Dr. Malini Laloraya, ICMR Emeritus Scientist, University of Kerala, on "Prioritizing Women's Health During My Journey in Science – Challenges and Lessons Learnt."

Fitness Awareness Program – 19th March 2025:

- Dr. Sabitha M., Principal, delivered an inspiring address on the importance of early and consistent fitness routines for physical and mental well-being.
- A Fitness Challenge was held exclusively for lady faculty, staff, and girl students, featuring activities



like planks, squats, push-ups, burpees, and dumbbell exercises.

- The challenge witnessed enthusiastic participation, with trophies awarded to the winners in recognition of their strength, endurance, and spirit.

Dr. Sabitha M Visits University of Iceland



Dr. Sabitha M, Principal and Professor at Amrita School of Pharmacy, visited the University of Iceland from 19th to 24th May 2025 as part of the Erasmus+ Training Program, aimed at strengthening international academic collaboration and promoting mutual learning between institutions.

Highlights:

- Dr. Sabitha engaged in productive discussions with the Clinical and Hospital Pharmacy teams, exchanging best practices, educational strategies, and insights into the healthcare systems of India and Iceland.
- She delivered an invited lecture to the Faculty of Pharmacy, titled "The Indian Pharmacy Landscape: Opportunities, Education, and the Amrita School of Pharmacy Story," highlighting key developments in Indian pharmacy education and Amrita's contributions.
- A second lecture, "Navigating the Blood-Brain Barrier: Challenges and Strategic Advances in CNS Drug Delivery," was presented to Ph.D., postgraduate, and under-

graduate students of the Department of Chemistry.

- The visit laid the foundation for potential research collaborations, faculty/student exchange programs, and joint academic initiatives between Amrita Vishwa Vidyapeetham and the University of Iceland.

EXTRACURRICULAR ACTIVITIES

Invited Talk on Bhagavad Gita by Swami Bhuvanatmananda

As part of Gita Jayanti celebrations, Amrita School of Pharmacy hosted an invited talk by Swami Bhuvanatmananda, Adhyaksha of Ramakrishna Math, Kochi, on 17th January 2025. Swamiji shared insightful reflections on the relevance of Bhagavad Gita in everyday life and emphasized the value of regular reading. By highlighting Gita's timeless relevance in daily life and the importance of regularly reading the holy scripture.

He also distributed prizes for the essay competition held on 11th December 2024, based on the theme "Bhagavad Gita and Stress Management." Pharm.D students from first to fifth year participated actively. Ms. Vyshnavi T.U. (Pharm.D 2022 batch) won first place, while Ms. Indrani S. Kamath (Pharm.D 2022 batch) and Ms. Rajalakshmi S. (Pharm.D 2020 batch) shared second place.



Third Amrita Global Alumni Meet 2025



The Third Amrita Global Alumni Meet was held on 18th January 2025, from 4 PM to 8 PM across all campuses, culminating in celebrations at the B Block Auditorium, Amrita Health Sciences Campus, Kochi.

At the Amrita School of Pharmacy, the session took place in the Seminar Hall from 4 PM to 6 PM, with alumni from various batches of B. Pharm, Pharm.D, M. Pharm, and Ph.D. programs participating. The event began with a prayer song by students of the Pharm.D 2023 batch, followed by the formal inauguration and lamp lighting by Dr. Sabitha M. (Principal), alumni committee members, and alumni representatives.

In her presidential address, Dr. Sabitha M. highlighted the strong bond between the institution and its alumni, encouraging them to continue supporting and mentoring future students. She expressed confidence in their role in contributing to the growth and success of the institution.

The session also featured alumni reminiscences, where former students shared fond memories of college and hostel life. Notable speakers included Mr. Anand, Mr. Abin, Mr. Adam, Mr. Vikas, Mr. Sai Krishna (B.Pharm 2020 batch), Mr. Vishnu and Mrs. Gayatri (B.Pharm 2015 batch), and Mrs. Sreelekshmi (Pharm.D 2012 batch).

Invited Talk on Mental Health Awareness by Dr. Gokul T. Priyan

The Social Service Club of Amrita School of Pharmacy organized an invited talk on mental health awareness by Dr. Gokul T. Priyan on 27th March 2025.



UDGHOSH 2025 - Annual Pharma Sports Fest

UDGHOSH 2025, the annual sports fest of Amrita School of Pharmacy, was held from 11th to 22nd March 2025, organized by Team PRITHVI (B. Pharm and Pharm.D 2023 batch).

The event was inaugurated on 11th March by Mr. K.T. Chacko, former Indian football goalkeeper and retired Superintendent of Police. This year's theme, "Where Legends Rise – Forged in Fire, Immortal in Glory," set the tone for a spirited competition among the five teams—RUDRA, PRITHVI, SAMUDRA, ANTHAREEKSHA, and AAGNEYA—each presenting a theme video to showcase their enthusiasm.

Preliminary matches were held from 12th to 19th March, featuring indoor games like chess, carrom, and table tennis, and outdoor games including badminton, basketball, volleyball, and throwball.

The main athletic events took place from 20th to 22nd March, with exciting competitions such as 100m, 200m, 400m, and 800m races, relays, long jump, shot put, javelin throw, and discus throw.

The fest concluded with a valedictory ceremony on 22nd March. Team RUDRA was crowned overall champions, with Team PRITHVI as runners-up. The celebrations ended with a



musical night and grand dinner, making UDGHOSH 2025 a memorable event for all.





Amrita Kalasandhya at Shatkala Govinda Marar Smaraka Kalasamithy



On 26th April 2025, students of Amrita School of Pharmacy showcased a variety of cultural performances at the Shatkala Govinda Marar Smaraka Kalasamithy, Ramamangalam. Participants from B.Pharm, Pharm.D, M.Pharm, and Ph.D. programs performed Bharatanatyam, Mohiniyattam, Kuchipudi, Keralanadanam, Chindupaattu, duet and solo songs, group dance, and bhajans. The event was organized by the Music and Dance Club.



International Yoga Day Celebration 2025

The International Yoga Day was celebrated at Amrita School of Pharmacy on 21st June 2025, with the theme "Yoga for One Earth, One Health." The event was jointly organized by the Cultural Committee and the Yoga Club. Around 150 participants, from B. Pharm 2024 batch students, M. Pharm students, Ph.D. scholars, teaching and non-teaching staff, and Yoga Club members, took part in the celebration.

Dr. Lekshmi R. Nath, Associate Professor and Coordinator of the Cultural Committee and Yoga Club, delivered the welcome address. Dr. Sabitha M., Principal, highlighted the importance of yoga for mental and physical well-being.

Yoga asanas were demonstrated by Indrani S. Kammath (PharmD 3rd year) and Lekshmi Sree Chandra (M.Pharm Pharmacology 1st year). The session was moderated by Udaay Adithiyaa (PharmD 3rd year). The session began with a yoga prayer, followed by loosening exercises like neck, shoulder, trunk, and knee movements.

All asanas were performed follow-



ing the Common Yoga Protocol by the Ministry of AYUSH. Breathing exercises such as Bhramari and Nadi Shodhana Pranayama, followed by 10 minutes of meditation, were also

conducted. The session concluded with a closing prayer and a vote of thanks by Udaay Adithiyaa. Breakfast was served to all participants at the end.

NEW FACULTY



Ms. Abna A

Ms. Abna A joined as Lecturer of Biostatistics at Amrita School of Pharmacy, Kochi in February 2025. She completed her Master's in Demography and Biostatistics from the University of Kerala, Kariavattom Campus, and her Bachelor's degree in Mathematics from Fathima Mata National College, Kollam. Prior to joining Amrita, she worked as a Research Assistant at the Department of Demography, University of Kerala, and as a Statistical Trainee at the Regional Cancer Centre, Thiruvananthapuram.

She is skilled in STATA, SPSS, R, and ATLAS.ti for statistical and qualitative analysis. A UGC-NET qualifier, she received the Dr. Chandrasekharan Award from IASP in 2023 for the best paper by a young demographer. Her research centers on biostatistics, focusing on advanced methods for health and clinical data, while drawing on her background in demography and public health. Her interests include statistical modeling, population aging, disease burden, and data-driven public health policy.

IPA-SF AMRITA- STUDENT CHAPTER ACTIVITIES

Amrita School of Pharmacy Received Certificate of Appreciation

Amrita School of Pharmacy received a Certificate of Appreciation from the Indian Pharmaceutical Association (IPA) and its Kerala State Branch for its outstanding contribution to the pharmacy profession. The award recognized the institution's active support of IPA's mission and its role in establishing a vibrant IPA Students Forum.

Dr. Sabitha M., Principal, received the certificate from Justice Shri N. Nagareth, Judge of the High Court of Kerala, during the Pharma Conclave & Award Ceremony held on 18th January 2025 at Chemists College of Pharmaceutical Sciences and Research, Ernakulam. Additionally, Ms. Lekshmi Sree Chandra and Ms. Swathi Lakshmi M. of the M.Pharm 2024 batch, was awarded the third and fifth prizes in the Orientation to Pharma Industry Training Program 2024 during the ceremony.



Participation in Persona 25 Camp at Ahalia School of Pharmacy



Ms. Aiswarya A., Ms. Arathy Chandra Das, and Ms. J. Akshitha from the B.Pharm 2022 batch, along with Mr. Udaay Adithiyaa V.M., Ms. Krishnapriya K., and Ms. Chandana Manohar from the Pharm.D 2022 batch, participated in the Persona 25 Camp organized by the Indian Pharmaceutical Association. The event was held at Ahalia School of Pharmacy, Palakkad, from 31st January to 2nd February 2025. They were accompanied by Ph.D. scholars Ms. Sachithra Sudevan and Mr. Sarath Sreekumar.

TRANSFORGEN 2025 – Leadership Development Training Programme

TRANSFORGEN 2025 (Transformation for Generation) Leadership Development Training Programme was successfully conducted on 5th April 2025 at Amrita School of Pharmacy, Kochi.

Jointly organized by the IPA Kerala State branch and Amrita School of Pharmacy, the event was designed under the Indian Pharmaceutical Association – Student Forum (IPA SF) to emphasize the relevance and impor-

tance of leadership roles in social reformation. The theme, "Understanding the Relevance and Importance of Leadership Role in Social Reformation – Scope of Project and Methodology," set the stage for an intellectu-



dential address was delivered by Dr. John Joseph, Honourable Secretary of IPA Kerala Branch. He elaborated on IPA's mission to cultivate student leadership and the necessity of such programmes in shaping responsible and visionary professionals. Dr. Deepu S, Chairperson, IPA SF Committee, gave an insightful presentation on the past and ongoing projects of IPA SF. An engaging icebreaking session was then led by Mr. John Joseph, a JCI certified trainer. During this session, students from various colleges were encouraged to interact and collaborate. Through fun activities they were divided into groups and participated in discussions about ego, self-awareness, and leadership. This session successfully broke initial barriers and fostered a sense of camaraderie and openness among the participants.



The closing ceremony included the presentation of mementos to the guest speakers and trainers, Mr. John Joseph and Mr. M.P. George in recognition of their invaluable contributions to the event. This was followed by the distribution of participation certificates to all attendees, acknowledging their active involvement and commitment throughout the day. The vote of thanks was delivered by Ms. Rajalakshmi, (Pharm.D 2020 batch) who expressed heartfelt gratitude to the organizers, guests, trainers, and participants for making the event a grand success. The programme concluded with the National Anthem, marking the end of a day filled with inspiration, knowledge-sharing, and leadership awakening.



Overall, TRANSFORGEN proved to be a highly impactful leadership development initiative. It empowered pharmacy students to understand and embody leadership as a force for social change. The programme's structure—blending discussion, interaction, and planning—ensured that participants not only learned but also took the first steps towards becoming agents of transformation in their communities.

ally stimulating and socially relevant discourse among budding pharmacy professionals. A total of 22 colleges participated, with 77 attendees (out of 80) actively engaging in the discussions and activities.

In her welcome address, Dr. Sabitha M, Principal, emphasized the need to develop leadership qualities among students and how such initiatives could empower the future of health-care and society at large. The presi-

FACULTY ACCOMPLISHMENTS

AMRITA

INNOVATION AND RESEARCH AWARDS 2025

Fifteen faculty members from Amrita School of Pharmacy received the Amrita Innovation & Research Awards (AIRA). The award ceremony was held as a part of the five-day Amrita Research and Innovation Symposium for Excellence (ARISE) 2025 held at Mata Amritanandamayi Math honoring extraordinary scientific achievements and groundbreaking research from across Amrita Vishwa Vidyapeetham.

Dr. Sabitha M., Principal and Dr. Bijo Mathew, Professor, Department of Pharmaceutical Chemistry received the Chancellor's Research Excellence Award directly from Chancellor, Sri Mata Amritanandamayi Devi (Amma), for being ranked among the Top 2% of Scientists in the World, during the ceremony held at Amritapuri Campus during 2nd - 6th April 2025.



Other awardees included Dr. Kaladhar Kamalasanan, Professor, Department of Pharmaceutics; Dr. Aneesh T.P., Associate Professor, Department of Pharmaceutical Chemistry; Dr. M.S. Sudheesh, Associate Professor, Department of Pharmaceutics; Dr. Jaya Thomas, Associate Professor, Department of Pharmacology; Dr. Vidya Viswanad, Associate Professor, Department of Pharmaceutics; Dr. Subin Mary Zachariah, Associate Professor, Department of Pharmaceutical Chemistry; Dr. Lekshmi R. Nath, Associate Professor, Department of Pharmacognosy; Dr. Sreeja C. Nair, Associate Professor, Department of Pharmaceutics; Dr. Athira K.V., Assis-

tant Professor, Department of Pharmacology; Ms. Meenu Vijayan, Assistant Professor, Department of Pharmacy Practice; Dr. Vrinda S. Kumar, Assistant Professor, Department of Pharmaceutics; Dr. Krishna Das M. S., Assistant Professor, Department of Pharmacology and Dr. Saiprabha V.N., Assistant Professor, Department of Pharmaceutical Chemistry.

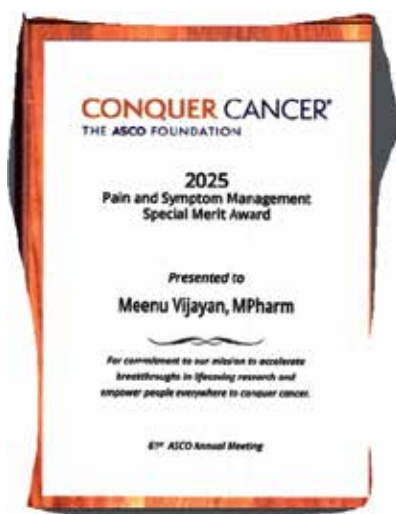
Dr. Sabitha M.

- Honored with the ARCHITECT OF PROGRESS AWARD at the 2nd Kerala Pharmaceutical Congress, held at Caritas College of Pharmacy on February 22, 2025.
- Team member of the Higher Education Skill Development and Research Center (HESDARC) at Adi Chunchanagiri College of Pharmacy for Faculty Development Program (FDP) on Curriculum Design, Development and Evaluation held during 28th – 31st January 2025.



Dr. Bijo Mathew

Honored with the YOUNG SCIENTIST AWARD at the 2nd Kerala Pharmaceutical Congress, held at Caritas College of Pharmacy on February 22, 2025.



Ms. Meenu Vijayan

Received the 2025 Pain and Symptom Management Special Merit Award from the ASCO Conquer Cancer Foundation at the 61st ASCO Annual Meeting, recognizing her contributions to cancer symptom management and patient-centered research.



Dr. Athira KV

Received ICMR small extramural grant



Dr. Manish KJ

Served as a Guest Editor for the Research Topic titled "exploring

small molecule inhibitors in cancer, inflammation auto immune disorders" in the journal Frontiers in Pharmacology.

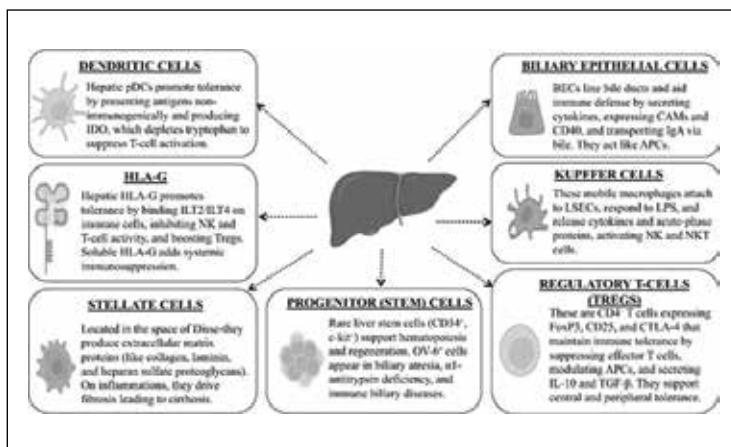
- Appointed as Section Editor (Special Issue) for the reputed journal Current Pharmaceutical Design (CPD), published by Bentham Science. The special issue is titled: "Rationale approach for nutraceutical discovery and development for chronic disease management"

PUBLICATIONS



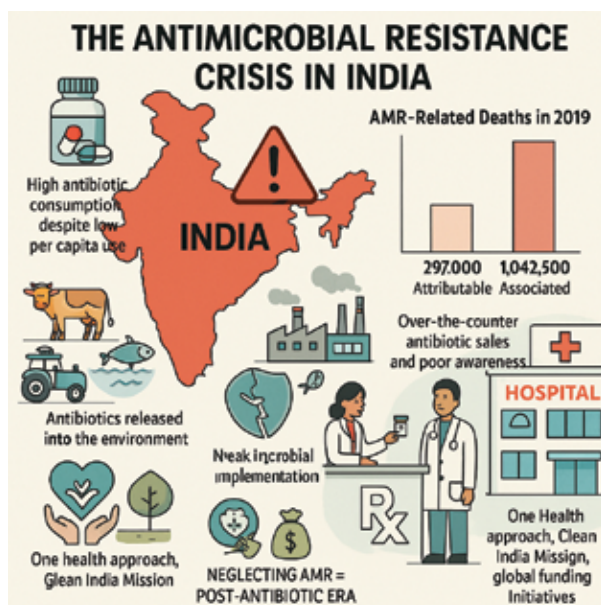
Immuno suppression minimization and with drawal in liver transp lantation: The "holy grail"? **Narmadha MP et al., Transpl Immunol. 2025**

This article centers on the physiological mechanisms of immune tolerance, strategies for minimizing and withdrawing immunosuppression after liver transpla ntation, and the biomarkers indicative of sustained tolerance in liver transplantation.



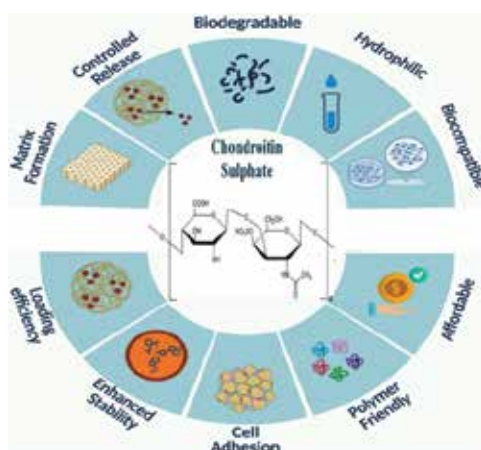
Rising antimicrobial resistance: Impending post-antibiotic era? **Prashant Chandra and Unnikrishnan MK, Med J Armed Forces India. 2025**

Improper antibiotic use triggers outbreaks of hospital-acquired infections. The article concludes that India lacks studies on prevalence, mortality and cost, which needs political will, public-private partnership, and prioritizing public health





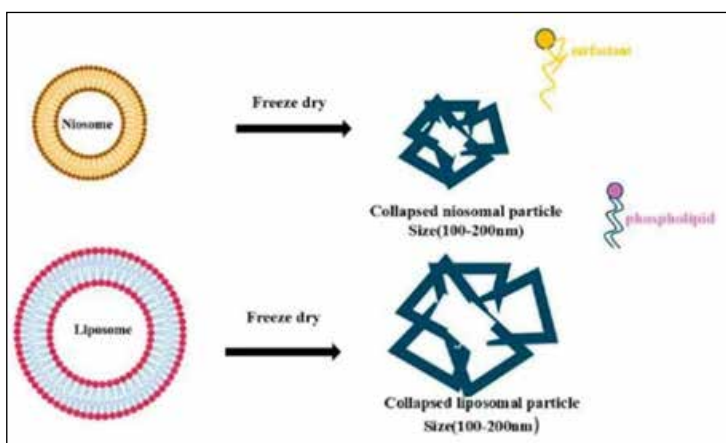
Chondroitin sulfate: From bioactive molecule to versatile drug delivery system for advancing regenerative medicine. **Sreeja C Nair et al., Int J Biol Macromol., 2025**



This review elucidates the progression of chondroitin sulfate-based drug delivery systems, encompassing hydrogels, microparticles, nanoparticles, composites, and beads while underscoring their effectiveness in addressing conventional drug delivery obstacles such as non-specific targeting and off-target effects.



Biomimetic niosomal versus liposomal nanoparticle-based aspirin injection for treating stroke and myocardial infarction **Kaladhar Kamalasanan, et al., J Biomater Appl., 2025**

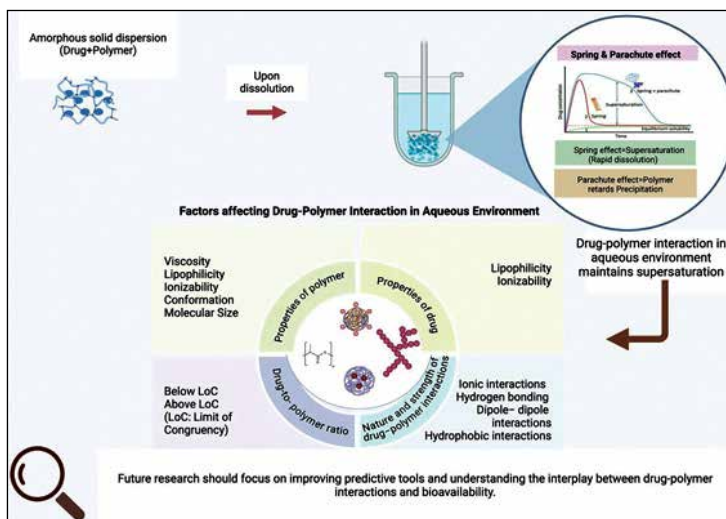


In this work, biomimetic niosomal nanoparticles (BNNs) are compared with biomimetic liposomal nanoparticles (BLNs) for development as an injection to suppress clots in stroke and myocardial infarction.



A review on design rules for formulating amorphous solid dispersions based on drug-polymer interactions in aqueous environment **Sabitha M, Sudheesh MS. et al., Int J Pharm. 2025.**

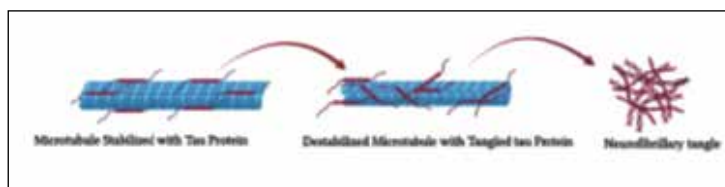
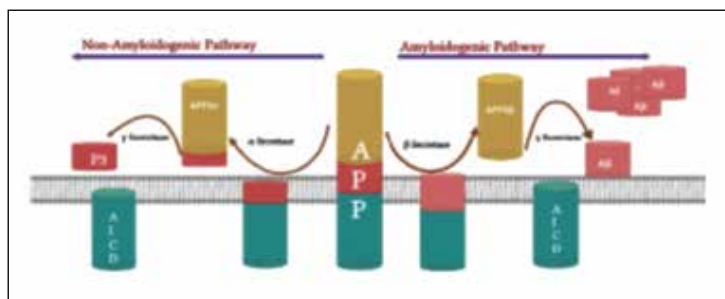
The review focuses on different aspects of drug-polymer interaction to stabilize the supersaturated state of a drug during the dissolution of amorphous solid dispersions (ASDs), as it is critical for understanding the design rules for formulating an optimal ASD formulation.





Key che motypes for the rational design of dual AChE/BACE-1 Inhibitors. **Krishnadas MS and Bijo Mathew et al., Curr Med Chem., 2025**

This article focuses on the main chemotypes employed for AChE/BACE-1 targeting. These include mostly bioactive compounds based on chalcones, triazines, triazoles, piperidines, and flavonoids.



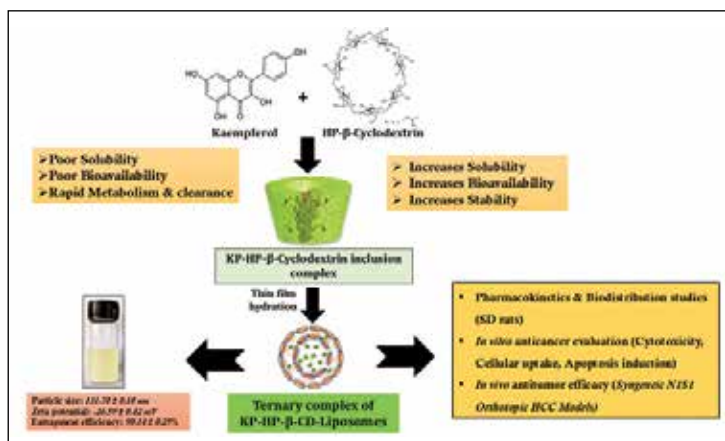
Molecular insights into anti-inflammatory activities of selected Indian herbs **Manish Kumar Jeengar et al., J Ayurveda Integr Med. 2025**

This review encompasses an extensive study of the anti-inflammatory potential of selected traditional Indian herbal medicines and the associated pharmacological mechanisms of action.



Ternary complex of Kaempferol-Hydro xypropyl-β-Cyclodextrin-Liposomes against hepa tocell ular carcinoma: Preparation, validation, pharma cokinetics and efficacy studies. **Rahul Soman, Sudheesh MS, Lekshmi R Nath et al., Int J Pharm. 2025**

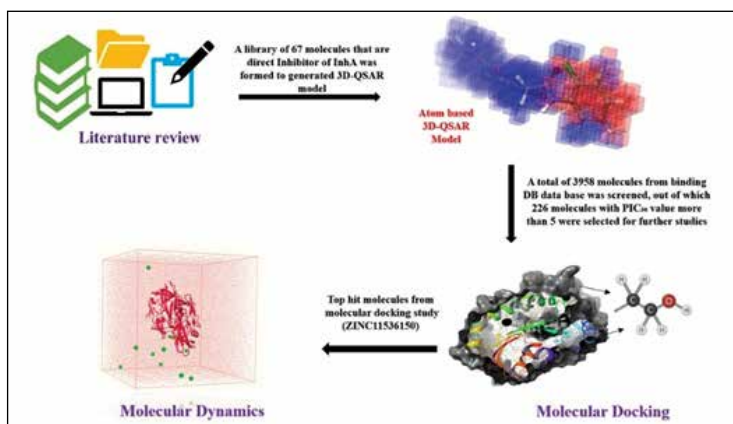
A ternary complex of Kaempferol with Hydro xypropyl-β-Cyclodextrin liposome was developed and evaluated for enhanced pharmacokinetics and anticancer efficacy against hepatocellular carcinoma.





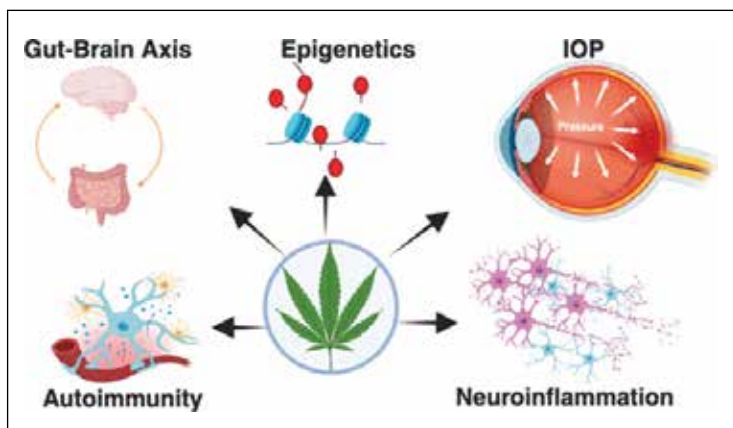
In silico development of potential InhA inhibitors through 3D-QSAR analysis, virtual screening and molecular dynamics. **Bijo Mathew, Subin Mary Zachariah, T P Aneesh, Leena K Pappachen, et al., J Biomol Struct Dyn. 2025**

Developed an atom based 3D QSAR model, statistically validated sound with $R^2 > 0.90$ and $Q^2 > 0.72$ using reported direct inhibitors of InhA (2018-2022), validated by enzyme inhibition assay.

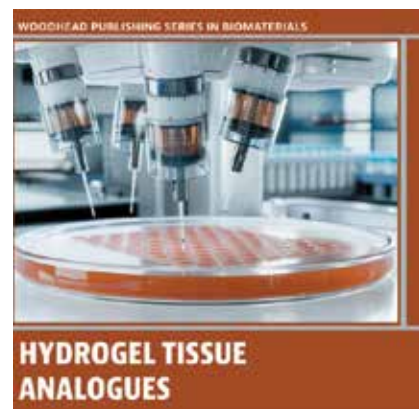


Cannabinoids as Multitarget Drugs for the Treatment of Autoimmunity in Glaucoma. **Lakshmi PK et al., ACS Pharmacol Transl Sci. 2025**

In this Review, cannabinoids are proposed as a promising multitargeted approach for treating autoimmunity associated with glaucomatous neurodegeneration, especially for the silent nature of glaucomatous neurodegeneration in normotensive patients.

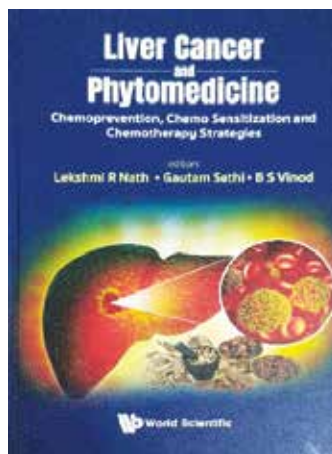


Dr. Sreeja C. Nair published two book chapters on the topic : Hydrogels for skin regeneration, & Hydrogels for infectious diseases in the book "Hydrogel for Tissue Analogues" Elsevier publishers.





Ms. Roshni PR et al., published a book chapter on the topic "Overview of Clinical significance of phytomolecules in liver cancer" published in the book "Liver Cancer and Phytomedicine"



Liver Cancer and Phytomedicine

Chemoprevention, Chemo Sensitization and Chemotherapy Strategies

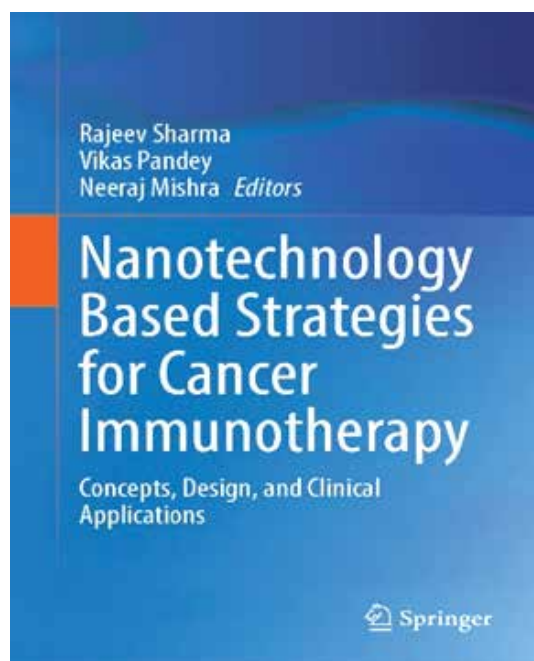
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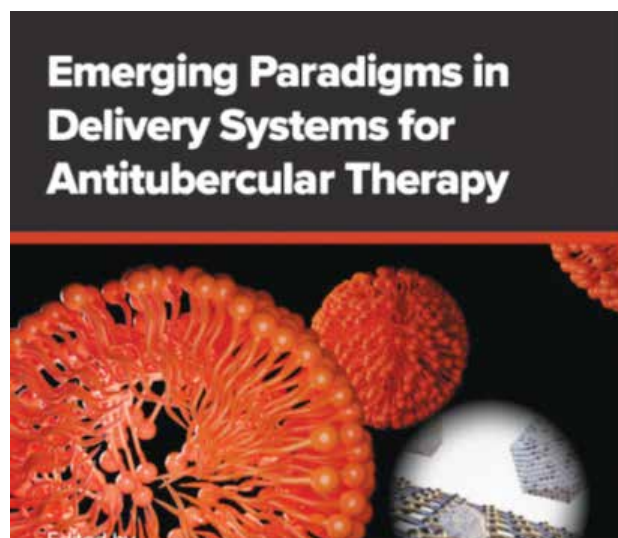


Dr Lekshmi R Nath is the Co-editor of the book "Liver Cancer and Phytomedicine" World Scientific Publishing Co. Pte.Ltd-Singapore

She also published a chapter on "Chimeric Antigen Receptor (CAR) - T Cells Based Cancer Immuno therapy: Harnessing the Potential of Nanobiotechnology" in the book Nanotechnology Based Strategies for Cancer Immunotherapy, Springer publications.



Dr. M.S. Sudheesh et al., published a book chapter on the topic "Tuberculosis vaccines: advancements and on-going clinical trials" in the book "Emerging Paradigms in Delivery Systems for Antitubercular Therapy". Elsevier publishers.



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STUDENT ACHIEVEMENTS



Ms. Sreelekshmi R, Pharm.D Intern, won a scholarship for her oral presentation @ CPCON 2025 held at Manipal College of Pharmaceutical Sciences, Manipal during 09th - 11th January 2025.

Dr. Chameli Ratan, Ph.D. Scholar, Department of Pharmacy Practice, received ICMR International Travel Grant Award and participated in Oral & Poster Presentations at the International Stroke Conference (ISC) at Los Angeles, California during 4th- 7th February 2025. Both abstracts were published in the Stroke Journal (IF-6.2, Q1).



Dr. Lakshmi V.U., Ph.D. Scholar, Department of Pharmacy Practice, won the Best Researcher Award @ 16th Annual Conference of Association of Surgical Gastroenterologists & GI Oncosurgeons of Kerala (ASGKCON) 2025 @ KTDC Waterways, Kumarakom held during 8th - 9th February 2025.

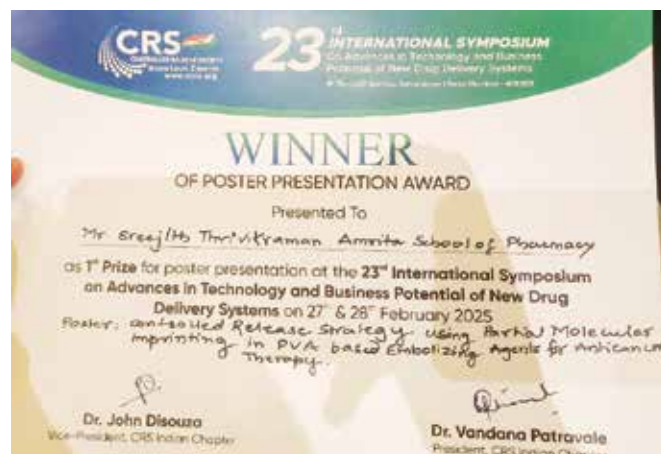


Ms. Pooja G. Anil, M.Pharm Pharmaceutical Chemistry and Ms. Abhirami A. R., M.Pharm Pharmaceutics won 1st prize in E-poster competition at 2nd Kerala Pharmaceutical

Congress held at Caritas College of Pharmacy on 22nd February 2025.



Mr. Muzzamil Kabier, M.Pharm Pharmaceutical Chemistry won first place in the oral presentation at Pharmachem 25, held at Chemist College of Pharmaceutical Sciences and Research during 18th February 2025.



Mr. Sreejith T., Ph.D. Scholar, Department of Pharmaceutics, won the first prize for poster presentation at the 23rd International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems organized by the Controlled Release Society (CRS) Indian Chapter held at Mumbai during 27th and 28th February 2025.



Mr. Nitesh Naskar, M.Pharm Pharmacology secured 3rd position in the Oral Presentation at PharmaTek 1.0, a National Conference organized by the School of Pharmacy, ARKA JAIN University, Jharkhand during 23rd & 24th February 2025.



In the Inter College competition, Laksh'25 held at Nirmala College of Pharmacy, Chalakkudy during 5th - 6th March 2025, the following students from Amrita School of Pharmacy won prizes:

- **Ms. Amritha Vijayakumar, Mr. Anand Biju and Mr. Ebin Raju Cherian** (M.Pharm Pharmaceutics 2024 batch) got first prize in "Healthpreneur" competition.
- **Ms. Rajalakshmi** (Pharm.D 2020 batch) and **Mr. Udaay Adithiya** (Pharm.D 2022 batch) secured second prize with a cash award of Rs 3000 for Quiz Competition.

- **Ms. Roshna Fathima** (B Pharm 2022 batch) got first prize in Solo Dance Competition
- **Ms. Rajalakshmi** (Pharm D 2020 batch) got first prize with a cash award of Rs.6000 and **Ms. Anurag**

ha (M.Pharm Pharmacy Practice 2024 batch) got second prize with a cash award of Rs 4000 in Future Pharmacist competition.

- **Ms. Roshna Fathima and Ms. Hena** (B.Pharm 2022 batch) won first prize with a cash award of Rs. 5000 in Mirror Dance competition.



In the one-day International Symposium: Pharma Excel- Bioclin 2K25 organized by St Joseph's College of Pharmacy in Cherthala on 4th April 2025 the following students won awards:

For Oral Presentation

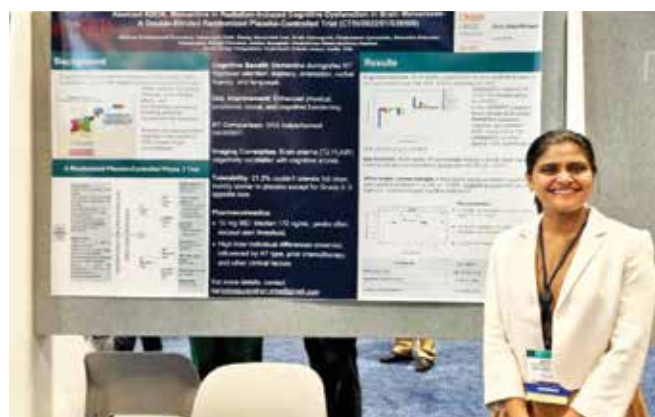
1. **Ms. Abhirami S.** (M.Pharm Pharmaceutics) secured 1st position with cash award of Rs 3000.
2. **Ms. Anju S. Nair** (Pharm.D Intern) secured 2nd position with a cash award of Rs 2000.

For E poster presentation

1. **Ms. Joveena Johnson** (Pharm.D Intern) secured 2nd position with cash award of Rs 1000.
2. **Ms. Parvathy Hari** (M.Pharm Pharmaceutics) secured 2nd position with cash award of Rs. 1000.



Mr. Rithwik Sajan (Pharm.D Intern) bagged 1st prize for e-poster competition at ID Congress Virtual Conference 2025 conducted during 11th - 13th April 2025. He presented a case report associated with Vancomycin induced fever.



Dr. Haripriya Surendran, Ph.D. Scholar, Department of Pharmacy Practice won the Merit Award by Conquer Cancer foundation for high quality abstract at the American Society of Clinical Oncology (ASCO) Annual Meeting, held in Chicago, USA during 30th May – 03rd June 2025.

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Ananya Grover
B.Pharm 2022 batch



Aswanth Das V L
B.Pharm 2022 batch



Hayana Fathima Shuja
B.Pharm 2021 batch

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