



PHARMA MONARCH

DEPARTMENT OF PHARMACEUTICS - NEWS LETTER



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DEVAKI AMMA MEMORIAL COLLEGE OF PHARMACY

(Affiliated to Kerala University of Health Sciences, Thrissur and Approved by PCI, New Delhi)

(Accredited by NAAC with B++ Grade)

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INSTITUTION VISION

To be the ultimate destination for training, practice and research in pharmacy education to cater the health needs of the society.

INSTITUTION MISSION

To provide state-of-art infrastructure, research facilities with eminent faculties to disseminate advanced knowledge in pharmacy education through innovative teaching-learning process with human and ethical values.



In Remembrance of
Shri. K. V. Sankaranarayanan
(01.01.1948 - 12.07.2013)
Founder, Devaki Amma Memorial Institutions



FROM THE EDITOR'S DESK

Dear Members and Readers,

A warm welcome to all of you!

"VIDYA DHANAM SARVA DHANATH PRADHANAM"
(KNOWLEDGE is the GREATEST of all WEALTH'S)

It gives me immense pleasure to present the July 2025 edition of "Pharma Monarch" - the academic newsletter of the Department of Pharmaceutics, Devaki Amma Memorial College of Pharmacy (DAMCOP).

This edition encapsulates a vibrant academic year marked by our unwavering commitment to innovation, research excellence, and collaborative achievements. Our faculty and students have actively contributed through impactful research projects, peer-reviewed publications, lecture series presentations and participation in national and international scientific events, faculty development programs, symposium etc.

The department organized significant scientific program that enriched our academic environment and fostered knowledge sharing. In the realm of departmental achievements, we proudly celebrate the release of two research-based academic books in the domain of Green Nanotechnology, Academic Excellence, recognition through a Certificate of Excellence, and editorial board appointments in reputed international journals-testaments to the scholarly impact of our team.

Our students benefited from insightful industrial visits, bridging academic learning with practical exposure. We take pleasure in welcoming new faculty members who bring enthusiasm, expertise, and innovation to our academic family.

On behalf of the editorial team, I sincerely thank our Management, Principal, Vice Principal, Faculties, Students, and well-wishers for their continued support.

Let us move forward with integrity, excellence, and a shared vision - remembering always that *knowledge shared is knowledge multiplied.*

Wishing you all a delightful reading experience!

Best Regards,
Prof. Dr. R. Nethaji,
Editor-in- Chief

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👉 Department Activities 👉 Department Achievements 👉 Industrial Visit

"Good Teaching is more a Giving of Right Questions than a Giving of Right Answers" ~ Josef Albers



DEPARTMENT ACTIVITIES

RESEARCH PROJECTS

The Pharmaceutics department has successfully completed the following research topics for UG students (2020 Admission) recently as listed below:

Project Title	Students Name	Guides Name
Development and Evaluation of Poly Herbal Nanoemulgel for Periorbital hyperpigmentation (POH)	Nasmin Ilyas P Nuha Ameena M Roopna V Rushda Charath Mohammed	Mrs. Neethu K
Formulation of Innovative Silver Nanotechnology- based Sunscreen with Herbs and Eco-friendly Packaging Reusable as a Hair Removal Solution	Shadha Mujeeb K. P Shadinah P. P Shamna Sherin C. P Ajith Raj P	Mrs. Mishahal T. M
Formulation and Evaluation of Tinted Moisturising Cream Using Polyherbals	Hajara P. P Hajara P. T Jannathul Shareen Jumana Jasmin P	Mrs. Jinisha E. K
Formulation and Evaluation of Multifunctional Natural Topicals for Sun Protection and Skin Enhancement	Shibily P Vyshna Balakrishnan K.P Abdul Muhsin K	Dr. Vimal K. R
Preparation and Characterization of Face mask with Polyherbs and Collagen extract of Chicken feet	Misriya K Mohamed Arshad M Mohammed Fayis Muhammed Bazil	Mr. Binulal C
Formulation and Characterization of Anti-inflammatory Cream based on <i>Zanthoxylum Rhetsa</i>	Amrutha P Anjana N. P Anu K Geethu M	Mr. Krishnaprasad K

RESEARCH PUBLICATIONS

We are pleased to highlight the active involvement of our faculty and students in research, demonstrated through their publications in reputed international journals. Their continued contributions reflect a strong commitment to advancing pharmaceutical sciences and fostering global academic recognition.

Zeeshan Afsar & Nethaji R, et al.

Modern concepts of integrating artificial intelligence with traditional and herbal medicine: A Review. *International Journal of Scientific Research and Technology*. Feb 2025; 2(2): 43-49.

Green synthesis and comparative antimicrobial evaluation of the extract of *Ruta Graveolens*. *International Journal of Pharmaceutical Sciences*. Dec 2024; 02(12): 2164-2174.

Nethaji R, et al.

Pharmaceutical innovations in menstrual hygiene: A review of emerging technologies in sanitary napkins. *European Journal of Pharmaceutical and Medical Research*. Oct 2024; 11(10): 401-405.

Development of esomeprazole mucoadhesive tablets using *Manilkara Zapota* seed mucilage: A novel approach for improved bioavailability. *International Journal of Science and Research*. May 2024; 13(05): 33-37.

SCIENTIFIC EVENTS PARTICIPATION

Demonstrating their scholarly engagement, both faculty and students presented their research and attended various scientific events, enhancing academic excellence and fostering collaborative learning.

"Research is what I'm doing when I don't know what I'm doing" ~ Wernher von Braun



Mrs. Shaharban K & Ms. Arathi T, Assistant Professors, along with M. Pharm (2024 Admission) students - **Ms. Abhirami P.P., Ms. Anagha U.V., Mrs. Haritha K. K., and Ms. Priyanka P**, participated in an online tutorial program titled "How to Write a Review Article?" organized by "Publication Easy", A Unit of Big Science Publishers on 22nd June 2025. The session enriched staff and students with key skills in scientific writing and review article preparation for impactful publication.

Mrs. Jinisha E.K., Mrs. Farsana T., Mrs. Shaharban K., and Mrs. Arathi T.P, Assistant Professors, successfully participated in the virtual Faculty Development Program (e-FDP) on "Recent Trends in the Development of Pharmaceutical Education and Research" organized by the IQAC and conducted by Nirmala College of Health Sciences, Chalakudy, from 17th to 21st June 2025.

Mrs. Shaharban & Ms. Arathi T, Assistant Professors, successfully attended a One-Day National Symposium titled "From Methodology to Manuscript: Transforming Research into Effective Writing" held on 08th April 2025, at Jamia Salafiya College of Pharmacy, Pulikkal, Malappuram, Kerala. The symposium enriched participants with insights into effective scientific writing and manuscript preparation.



National Symposium

Mrs. Neethu K, Associate Professor, successfully participated in a 6-day National Level Online Faculty Development Program (e-FDP) titled "Smart Research for the Digital Age: Mastering Grant Proposals, High-Impact Scopus Publishing, Patents, and AI-Driven Excellence", held from 7th to 12th April 2025. The program was organized by Sardar Patel College of Pharmacy in association with Gujarat Technological University, Gujarat. Her active engagement in this FDP reflects her commitment to advancing academic and research excellence.

Dr. Nethaji Ramalingam participated in the International Conference on "Pharmaceutical & Biomedical Sciences (ICPBS-2025)" held at NIPER-Ahmedabad, Gujarat, from 21st & 22nd March 2025. The prestigious event was supported by the Ministry of Science & Technology (MOS&T), Department of Science and Technology (DST), and Department of Biotechnology (DBT), Government of India. During the conference, he presented a poster titled "Development and Evaluation of Herbal Extract-Loaded Microsponges for Inflammatory Bowel Disease", offering valuable insights to the evolving field of targeted drug delivery and phytopharmaceutical research.



International Conference

Mrs. Mishahal T. M, Associate Professor and Students from the First Semester M.Pharm (2024 Admission), actively participated and presented on E-poster in the 2nd Kerala Pharmaceutical Congress (KPC 2025), a prestigious scientific event organized by the Kerala Pharmacy Graduates Association (KPGA), held at Caritas College of Pharmacy, Kottayam, on 21st & 22nd February 2025.

- **Ms. Abhirami P.P**, presented on "Revolutionizing Wound Care: A Novel Multifunctional Bandage for Integrated Bleeding Control, Pain relief and Anti-septic action."
- **Ms. Anagha U.V**, delivered on "Development and Evaluation of Boerhaavia diffusa Floating Tablets for Effective Diabetes Mellitus Management."
- **Mrs. Haritha K.K**, presented on "Formulation and Evaluation of Topical Repellents to Prevent Leech Bites: A Novel Approach for Enhancing Public Health Safeguarding."
- **Ms. Priyanka P**, delivered on "Development and Evaluation of Asparagus racemosus Extract-Loaded Microballoons for Gastro-retentive Delivery."



Kerala Pharmaceutical Congress

"No research without action, no action without research" ~ Kurt Lewin



These presentations showcased the student's commitment to research and innovation in pharmaceuticals and highlighted their scientific contributions on a recognized platform.

Dr. Nethaji Ramalingam, Ms. Mishahal T.M., Ms. Neethu K., Mr. Krishna Prasad K., and Ms. Farsana T, actively participated in the International Conference on "*Harnessing the Power to Unlock the Secrets of Research Planning and Successful Publishing*", held on 07th December 2024. The event was jointly organized by Nirmala College of Health Science and the IPA Kerala State Branch, fostering knowledge exchange and academic enrichment.

Ms. Mishahal T.M., Ms. Neethu K., and Mr. Binulal C, participated in the International Conference CAPCON-24 on the theme "*Pharma Future: Navigating Career Paths in a Dynamic Pharma Landscape*", held on 22nd & 23rd November 2024, organized by Dr. Moopen's College of Pharmacy, Wayanad. The event offered valuable insights into emerging career opportunities and advancements in the pharmaceutical sector.

Ms. Neethu K. and Ms. Farsana T, participated as delegates in the one-day seminar titled "*Emerging Trends in Pharmacy: A Glimpse into the Future*", organized by the Kerala Pharmacy Graduates Association (KPGA) in association with IQAC and the Department of Pharmaceutics, National College of Pharmacy, at KMCT Medical College Campus, Manassery, on 18th October 2024.

SCIENTIFIC EVENTS ORGANIZED

The Internal Quality Assurance Cell (IQAC) and the Department of Pharmaceutics, organized a One-Day Seminar on "**Emerging Drug Delivery Systems in the Pharmaceutical Industry**" on January 18, 2025.



Pharmaceutics Comrade with Eminent Guest Speaker

The inaugural function was presided over by **Shri M. Narayanan**, Trustee & Manager, Devaki Amma Memorial Institutions, Chelembra. The welcome address was delivered by **Dr. G. Babu**, Principal, followed by the formal inauguration by the Chief Guest, **Dr. Petchimuthu S.**, M.Pharm., Ph.D., Senior Manager & Head - R&D Technology Transfer, Medreich R&D, Bangalore, Karnataka. **Dr. Biju C.R.**, Vice Principal & IQAC Coordinator, delivered the felicitation address on behalf of the institution. **Dr. R. Nethaji**, Professor & Head, Department of Pharmaceutics, provided an overview of the seminar and introduced the guest speaker.

Dr. Petchimuthu S., shared expert insights during the seminar, drawing on his 17+ years of experience in formulation development, technology transfer, and regulatory compliance. He emphasized the pharmaceutical industry's evolving role in drug discovery and innovation, highlighting advanced drug delivery technologies such as pellets, MUPS, mini tablets, and osmotic systems. He also addressed commercialization challenges, QbD, precision medicine, and recent advancements in NDDS, offering valuable perspectives for future research and industrial application.

The seminar was highly interactive, with M. Pharm and B. Pharm students, as well as faculty members, actively engaging in discussions, asking insightful questions, and clarifying their doubts on emerging drug delivery systems. The session provided valuable knowledge, helping students integrate innovative drug delivery technologies into their research. The event concluded with a vote of thanks delivered by **Dr. Vimal K.R.**, Professor, Department of Pharmaceutics.

"Good decision-making is based on access to the correct information at the right time" ~ Pooja Agnihotri

COURSE COMPLETION

M. Pharm students (2022 Admission) have successfully completed their academic program and were officially relieved on 29th October 2024, following the completion of their final examinations. Their dedication, academic achievements, and active participation in research, seminars, and scientific events throughout the course are highly commendable. We extend our best wishes to all the graduates for a successful future in their professional and research endeavors.



Milestone Achieved

DEPARTMENT ACHIEVEMENTS

BOOK PUBLICATIONS

We are pleased to announce that the Department of Pharmaceutics has successfully published the following two pioneering, research-oriented academic books in the emerging field of *Green Nanotechnology for Pharmaceutical Applications*:

1. **Green Nanotechnology and Its Importance in Pharma for Sustainable Drug Development**, 1st ed. Chendur Publishing House, Chennai, 2025, 1-232. (ISBN: 978-81-987537-6-2), DOI: <https://doi.uk.com/7.000175/chendurph>
2. **Green Nanotechnology for Water Purification for Pharmaceutical Use**, 1st ed. Chendur Publishing House, Chennai, 2025, 1-263. (ISBN: 978-81-987537-9-3), DOI: <https://doi.uk.com/7.000176/chendurph>

These publications significantly contribute to the promotion of sustainable and eco-friendly innovations in pharmaceutical sciences, reflecting alignment with global research priorities and trends. Congratulations to **Dr. Nethaji Ramalingam, Dr. Vimal K. R., Mrs. Mishahal T. M., and Mrs. Neethu K.**, on this commendable academic achievement. Their commitment to research excellence and sustainability in pharma continues to inspire faculty, researchers, and students. May this milestone pave the way for further innovations and collaborative efforts in *Green Nanotechnology*.



Research Contribution

STRATEGIC TIE-UP

The Department of Pharmaceutics has established a strategic collaboration with BioMe Live Analytical Centre, Tamil Nadu, enhancing our access to advanced bio-analytical facilities and research training. This tie-up strengthens our academia - industry interface and fosters hands-on learning and innovation.

ACADEMIC EXCELLENCE

Dr. Vimal K.R., Professor, actively contributed to a range of academic and translational research initiatives during the academic year:

- Delivered a lecture on "*Innovative Entrepreneurship and Research for Real-World Solutions*" during the Impact Lecture Series organized by Alshifa College of Pharmacy, sponsored by the Ministry of Education's Innovation Cell (MIC), AICTE.
- Presented an insightful session on "*Entrepreneurial Research: Beyond Publishing and Documentation*" in the Impact Lecture Series conducted by Ezhuthachan College of Pharmaceutical Sciences, organized by its Institution's Innovation Council (IIC).
- Conducted an "*Awareness and Basic Life Support (BLS)*" training session organized by the Student Support and Guidance Cell, Ezhuthachan College of Pharmaceutical Sciences, aimed at equipping students with essential life-saving skills.

"The Science of today is the technology of tomorrow" ~ Edward Teller



Impact Lecture Series



Basic Life Support

In a significant translational research development, DAMCOP in collaboration with MVR Ayurveda College's Institutional Ethics Committee, has received approval for initiating human trials of a newly developed topical cream for insect bites. The innovative formulation, enriched with curcumin as the key active ingredient, is designed to offer relief from itching and pain. We extend our best wishes to **Dr. Vimal K. R.**, and his team as they embark on the human trials phase, paving the way for a promising product launch and real-world application.

CERTIFICATE OF EXCELLENCE

Dr. Nethaji Ramalingam., has been awarded the Certificate of Excellence in Peer Reviewing by BP International Publishing Organisation. This recognition was bestowed in appreciation of his outstanding contribution as a peer reviewer for the book chapter publication titled: "*Co-Crystallisation and Physicochemical Characterization with Biological Screening of Acetylsalicylic acid in Presence of Excipient Valine*", in the volume "Recent Developments in Chemistry and Biochemistry Research." His dedication to academic excellence and scholarly review continues to strengthen the quality and integrity of scientific research. Congratulations on this well-deserved achievement!

EDITORIAL BOARD APPOINTMENTS

Dr. Nethaji Ramalingam., has been appointed as an Editorial Board Member of several prestigious International Journals. These appointments reflect global recognition of his expertise and academic contributions. His editorial board roles include:

- International Journal of Complementary & Alternative Medicine, MedCrave Group
- Deep Science Publishing
- World Journal of Pharmacy and Pharmaceutical Research
- Jabirian Journal of Biointerface Research in Pharmaceutics and Applied Chemistry
- European Journal of Applied Science, Engineering and Technology
- European Journal of Pharmaceutical and Medical Research

We extend our sincere congratulations to him on this prestigious academic recognition.

INDUSTRIAL VISIT

As part of curriculum-industry interaction, the Department of Pharmaceutics organized industrial visits to enhance practical learning:

- On 23rd May 2025, Second Semester M. Pharm (2024 Admission) and B. Pharm (2021 Admission) students visited **Sangrose Laboratories Pvt. Ltd.**, Mavelikara, Kerala.
- On 22nd August 2024, First Year D. Pharm (2023 Admission) students visited **Chethana Pharmaceuticals**, Perinthalmanna, Malappuram District, Kerala.

These visits provided students with valuable exposure to real-time pharmaceutical manufacturing, regulatory practices, and operational workflows. The experience significantly enriched their understanding of industry standards and future career pathways in the pharmaceutical sector.

"The enterprise that does not innovate ages and declines" ~ Peter Drucker



M. Pharm & B. Pharm students at Sangrose Labs



D. Pharm students at Chethana Pharmaceuticals

NEW FACES

We warmly welcome two new Assistant Professors to the Department of Pharmaceutics:

Mrs. Shaharban K, joined on 25th November 2024. She holds a B.Pharm and M.Pharm (Pharmaceutics) from National College of Pharmacy, Kozhikode, Kerala. Her areas of research interest include novel drug delivery systems, chitosan-based nanoparticles, and colon-targeted drug delivery.



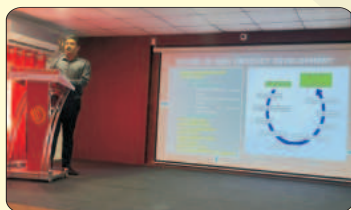
Ms. Arathi T.P, joined on 29th November 2024. She completed her B.Pharm from Government Medical College, Kannur, and M.Pharm (Pharmaceutics) from Srinivas College of Pharmacy, Mangalore, Karnataka. Her research focuses on modernized novel drug delivery systems, nanoparticle formulations, and solid lipid nanoparticles. We look forward to their valuable contributions to teaching and research in the department.



GLIMPSES OF ONE DAY SEMINAR (18.01.2025)



Inauguration



Guest Expert Session



Attendee



Knowledge Exchange



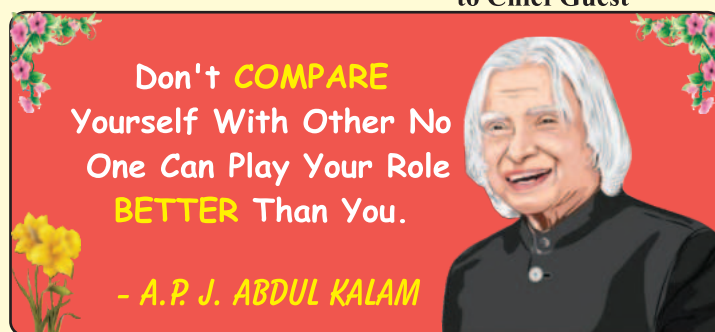
Certificate of Appreciation



Honour & Memento's to Chief Guest

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