



**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

# SCHOOL OF MEDICAL & ALLIED SCIENCES

NEWSLETTER JANUARY TO MARCH 2025



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## FROM THE EDITOR'S DESK



**Dr. Hema Chaudhary**  
Professor & Dean  
School of Medical & Allied Science



**Dr Shikha Dutt Sharma,**  
IQAC Coordinator  
KR Mangalam University



**Mr. Debashish Paramanick**  
Assistant Professor  
School of Medical & Allied Science

Dear Readers,

Greetings from the School of Medical & Allied Sciences at K.R. Mangalam University! It gives us great pleasure to present this edition of our newsletter, which captures the dynamic academic spirit, research innovations, and collaborative efforts of our vibrant community. At the heart of our institution lies a commitment to academic excellence, interdisciplinary learning, and the continuous pursuit of scientific advancement.

This issue highlights the remarkable achievements of our students and faculty—from groundbreaking research and scholarly publications to engaging workshops, seminars, and community outreach programs. These milestones are a testament to our shared vision of shaping future healthcare leaders equipped with compassion, critical thinking, and a global perspective.

We take pride in our ever-evolving academic environment where curiosity is encouraged, innovation is nurtured, and learning goes beyond textbooks. As you browse through these pages, we hope you feel as inspired as we are by the strides made in medical and allied sciences.

We extend heartfelt thanks to all contributors, faculty members, and students whose dedication and enthusiasm have made this publication possible.

**Editor's Message**  
**School of Medical & Allied Sciences**  
**K.R. Mangalam University**

## WORDS FROM THE LEADERSHIP

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Dear Readers,

Warm greetings from the Department of Pharmacy!

At the School of Medical and Allied Sciences, K.R. Mangalam University, we remain committed to nurturing academic excellence, innovation, and integrity in every endeavour. Our journey is driven by the passion of our students, the dedication of our faculty, and the unwavering support of our stakeholders.

This edition of the newsletter highlights not only our recent achievements and academic initiatives but also reflects the vibrant spirit of collaboration and continuous learning that defines our institution. We are proud of the strides we are making in research, community outreach, and skill development — all aimed at shaping the next generation of healthcare professionals and scientists.

As we look ahead, we reaffirm our commitment to advancing healthcare education and contributing meaningfully to the larger scientific and societal landscape. We thank each member of our academic family for their relentless efforts and look forward to many more milestones together.

With warm regards,

**Shri Abhishek Gupta**

**Pro-Chancellor**

**K.R. Mangalam University, Gurugram, Haryana**

## FROM THE DESK OF DEAN



Dear Readers,

Greetings from the School of Medical & Allied Sciences (SMAS), K.R. Mangalam University!

It is with immense pride and pleasure that I present this edition of our newsletter, a reflection of the dedication, progress, and passion that define the spirit of our school. At SMAS, we are committed to nurturing the next generation of healthcare professionals who are not only academically sound but also ethically grounded and socially responsible.

Our school have seen remarkable growth through active student engagement, faculty-driven research, industry collaborations, and value-based education. Our emphasis on experiential learning, interdisciplinary collaboration, and innovation is shaping well-rounded professionals ready to meet global healthcare challenges.

This newsletter brings to light the vibrant academic culture at SMAS—highlighting workshops, research initiatives, student achievements, outreach programs, and faculty accomplishments. Each page reflects our collective vision of academic excellence and our unwavering commitment to contribute meaningfully to society.

I extend my heartfelt appreciation to our dynamic faculty, enthusiastic students, and dedicated editorial team for their contributions. May this edition serve as a source of inspiration and pride for all.

With warm regards,

**Dr. Hema Chaudhary**

**Professor & Dean**

**School of Medical & Allied Science**

**K.R. Mangalam University, Gurugram, Haryana**

# ABOUT SCHOOL: VISION & MISSION

## ABOUT SCHOOL

Welcome to the School of Medical and Allied Sciences, where your journey towards a rewarding career in healthcare begins! The School of Medical and Allied Sciences (SMAS) is committed to delivering comprehensive education and training across a spectrum of healthcare disciplines. SMAS offers Diploma, Undergraduate, Postgraduate and Doctoral programmes in different fields of medical & allied sciences. With our esteemed faculty, cutting-edge facilities, and immersive learning opportunities, we are instrumental in nurturing the future generation of healthcare practitioners. Our focus is on empowering students with the requisite knowledge, skills, and ethical principles to deliver top-tier care and drive progress in global healthcare standards.

## VISION

To become a premier educational institution dedicated to empowering students with the knowledge and skills needed to lead in pharmaceutical field and enhance healthcare access, thereby making a positive impact on society in India and globally.

## MISSION

To empower students to become self-motivated, self-reliant, and socially aware healthcare professionals, effectively addressing the needs of academia, industry, and research.

To establish a dynamic centre of excellence for learning and research in pharmaceutical and allied health sciences, emphasizing interdisciplinary approaches and fostering collaboration between industry and academia.

To nurture translational research initiatives that benefit society and improve community health outcomes.

To integrate pharmaceutical and allied health sciences with interdisciplinary life sciences, promoting innovation and collaboration.

To offer lifelong learning opportunities in healthcare, equipping professionals with the skills to adapt and excel in a rapidly evolving field.



# MEMBERS OF ADVISORY COMMITTEE



**Prof. B. Suresh Pro-Chancellor**  
JSS Academy of Higher Education &  
Research & Ex-President of Pharmacy  
Council of India



**Dr. Jayapala Reddy**  
Vice President & Head Emerging  
Markets of MSN Labs, Hyderabad



**Prof. Vandana B. Patravale**  
Professor, Department of Pharmaceutical  
Sciences & Technology, Institute of Chemical  
Technology (ICT), Mumbai

It gives us immense pleasure to witness the continuous growth and achievements of the School of Medical and Allied Sciences, K.R. Mangalam University. As members of the Advisory Board, we are proud to be part of an institution that is steadily emerging as a center of excellence in healthcare education, research, and innovation.

This newsletter reflects the dedication, creativity, and collaborative spirit that define the academic culture of the School. The active engagement of students and faculty in workshops, conferences, research initiatives, and community outreach programs is a testament to the strong foundation laid by the institution.

We extend our heartfelt appreciation to the leadership, faculty, staff, and students for their relentless pursuit of academic and professional excellence. Together, we look forward to contributing meaningfully to the evolving landscape of medical and allied sciences.

**Best Regards,**  
**Advisory Committee**  
**School of Medical & Allied Sciences (SMAS)**  
**K.R. Mangalam University**

# CURRENT NEWS IN PHARMACEUTICALS

## Indian pharma market registers over 8% growth in January 2025: harmarack

The Indian pharmaceutical market (IPM) grew by 8.7 per cent in January this year, with major therapies showing positive value growth, according to market research firm Pharmarack. Among them, the cardiac, anti-diabetic, and gastrointestinal therapies saw high value growth of 10.9 per cent, 10.2 per cent, and 6.9 per cent, respectively, driving overall IPM growth. Pharmarack added that the IPM also reported a positive 2.4 per cent unit growth this month. Growth in the moving annual turnover (MAT, which is the previous 12 months' turnover) for IPM between February 2024 and January 2025 stood at 8.3 per cent, leading to a total turnover of over Rs 2.23 trillion in IPM, while units in the domestic market grew by 0.6 per cent. The MAT of leading therapy areas such as cardiac, gastrointestinal, and anti-infectives, which constitute around 37 per cent of IPM, showed robust volume growth at 11.2 per cent, 10 per cent, and 5.8 per cent, respectively. While top players registered modest monthly value growth in the domestic market in January 2025, players such as Torrent Pharma (15.7 per cent), Sun Pharma (13.7 per cent), Eris Lifesciences (13.7



per cent), Intas (13.2 per cent), and Dr Reddy's (10.4 per cent) posted significant monthly value growth with bonus units at full value among the top 20 companies in the IPM. GSK's antibiotic drug Augmentin and USV's anti-diabetic drug Glycomet GP continued to be the top-selling medicine brands for the month as well as in MAT figures, with sales of Rs 825 crore and Rs 797 crore, respectively, over the last one year.

## Expanding Pharma's Horizons Through AI and Acquisitions

The Indian pharmaceutical market (IPM) grew by 8.7 per cent in January this year, with major therapies showing positive value growth, according to market research firm Pharmarack. Among them, the cardiac, anti-diabetic, and gastrointestinal therapies saw high value growth of 10.9 per cent, 10.2 per cent, and 6.9 per cent, respectively, driving overall IPM growth. Pharmarack added that the IPM also reported a positive 2.4 per cent unit growth this month. Growth in the moving annual turnover (MAT, which is the previous 12 months' turnover) for IPM between February 2024 and January 2025 stood at 8.3 per cent, leading to a total turnover of over Rs 2.23 trillion in IPM, while units in the domestic market grew by 0.6 per cent. The MAT of leading therapy areas such as cardiac, gastrointestinal, and anti-infectives, which constitute around 37 per cent of IPM, showed robust volume growth at 11.2 per cent, 10 per cent, and 5.8 per cent, respectively. While top players registered modest monthly value growth in the domestic market in January 2025, players such as Torrent Pharma (15.7 per cent), Sun Pharma (13.7 per cent), Eris Lifesciences (13.7 per cent), Intas (13.2 per cent), and Dr Reddy's (10.4 per cent) posted significant monthly value growth with bonus units at full value among the top 20 companies in the IPM. GSK's antibiotic drug Augmentin and USV's anti-diabetic drug Glycomet GP continued to be the top-selling medicine



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## Breakthroughs or bottlenecks? Pharma industry outlook, trends and strategies for 2025



As we enter 2025, should the pharmaceutical industry prepare for a period of tech-powered transformation or one weighed down by gridlock and burdensome regulations? On the one hand, the case for optimism is clear: Given advancements in technology and disease understanding, we can imagine a world in which drug manufacturers and health

systems harness today's wealth of data to fuel unprecedented levels of scientific innovation and personalized care. On the other hand, the case for pessimism is arguably just as clear: Onerous and cost-motivated policies limit access to innovation and prevent us from fully harnessing data, tech and AI.



Funding in the pharma and healthcare sector increased by 191.26 per cent to \$300 million in January 2025, up from \$103 million in December 2024, according to data from Tracxn. This marks a 430.04 per cent rise compared to the \$56.6 million raised in January 2024. Private equity rounds accounted for the majority of the funding,

contributing \$222.3 million, or 74.2 per cent of the total investments. Late-stage and early-stage funding stood at \$30 million and \$29.2 million, respectively, making up around 20 per cent of the total funding. Seed-stage funding amounted to \$18.2 million, representing 6.1 per cent of the overall investments.

## EVENTS CORNER

### Academic Visit to Regional Centre for Biotechnology: A Step Toward Practical Learning



**B. Pharm Students Presenting an Engaging Nukkad Natak on Biotechnology and Hygiene"**

On 28th February 2025, the School of Medical and Allied Sciences (SMAS), K.R. Mangalam University organized an academic visit to the Regional Centre for Biotechnology (RCB), Faridabad for B. Pharm 6th semester students under the course Pharmaceutical Biotechnology (BP605T). Guided by Dr. Ramu (Senior Scientist, RCB), and coordinated by Ms. Priti Choudhary under the leadership of Dean Prof. (Dr.) Hema Chaudhary, the visit included 52 enthusiastic participants. The event provided immersive exposure to advanced research in

biotechnology, including live demonstrations, practical sessions on molecular biology, and interactive discussions with leading scientists. Activities like scientific quizzes, lab experiments, and a compelling Nukkad Natak on public health enriched the experience. This visit bridged theoretical learning with real-world practices, enhancing the students' understanding of pharmaceutical research, quality control, and career paths in biotech. The day concluded with impactful learning, scientific curiosity, and creative engagement.

### Academic Visit at AIIMS Delhi



**Students learning lab techniques.**

On 19th February 2015, the School of Medical and Allied Sciences (SMAS), K.R. Mangalam University, organized an academic visit to the Department of Pharmacology at AIIMS, New Delhi, for M. Pharm students. The visit, coordinated by Dr. Swati Kaushik and hosted by Dr. D. S. Arya, aimed to provide hands-on exposure to advanced pharmacological research and laboratory techniques. A total of 24 students participated in this enriching experience. During the visit, students observed and engaged in real-time experiments alongside MD and MSc students, gaining insights into

drug screening, pharmacokinetics, toxicological studies, and biochemical assessments. They were introduced to high-end instruments like HPLC, ELISA readers, and cell culture systems, along with various animal models used in research. The interaction with researchers offered valuable understanding of current practices, ethical considerations, and career opportunities in pharmacological research. The visit successfully bridged theoretical knowledge with practical skills and motivated students to pursue innovative research paths.

## Pharma Anveshan 2025: Igniting Innovation and Entrepreneurship in Pharmacy



**Students Attending Pharma Anveshan 2025 Guest Session**

On March 6, 2025, the School of Medical and Allied Sciences (SMAS), in collaboration with the K.R. Mangalam Entrepreneurship and Incubation Centre (KEIC), hosted Pharma Anveshan 2025 to mark National Pharmacy Education Day. Held at the Multipurpose Hall, Aryabhata Block, the event celebrated the birth anniversary of Prof. M.L. Schroff, the pioneer of pharmacy education in India. Centered on the theme "Entrepreneurship & Startups in Pharma and Pharmacy Practice," the session aimed to encourage innovation and promote pharmaceutical startups. Guest speakers Dr. Suman Gupta (COO, BSC BioNEST Bio-Incubator) and Dr. Anshika Prakash Aggarwal (Director, KEIC

Foundation) inspired over 250 students and faculty members through engaging discussions, real-world case studies, and multimedia presentations. They emphasized the role of incubation centers, frugal innovation, and entrepreneurial thinking in shaping the pharmaceutical industry. The event provided a valuable platform for networking, mentorship, and learning about startup ecosystems. The Vice Chancellor and Dean, SMAS, motivated students to embrace innovation and leadership in pharmacy. Pharma Anveshan 2025 successfully cultivated a spirit of curiosity, creativity, and enterprise, encouraging students to turn ideas into impactful ventures that can transform healthcare and society.

## Expert Talk on Professional Communication in Pharmacy Impacting Job-Oriented Visualization Skill: A Global Scenario



Students attentively participating in the guest session on Professional Communication in Pharmacy at SMAS, KRMU

On 27th February 2025, the School of Medical and Allied Sciences (SMAS), K.R. Mangalam University, organized a guest session for B. Pharm (2nd Semester) and D. Pharm (1st Year) students on the theme "Professional Communication in Pharmacy Impacting Job-Oriented Visualization Skill: A Global Scenario, held at the Multipurpose Hall, Aryabhata Block. The session aimed to highlight the crucial role of effective communication in the pharmaceutical sector. The talk was delivered by Dr. Shikha Dutt Sharma, Assistant Professor and IQAC Coordinator, KRMU, and coordinated by Dr. Pankaj Gupta, Ms. Vinita, and Ms. Meenakshi Attri. With 103 participants, the session emphasized how

professional communication enhances visualization skills and impacts healthcare delivery globally. Dr. Sharma shared real-life experiences from clinical settings, including cases where miscommunication led to patient distress due to errors like sample mix-ups. She detailed various communication styles and their role in pharmaceutical services. The session concluded with an interactive Q&A and a vote of thanks by Dean Prof. (Dr.) Hema Chaudhary. The talk effectively enhanced students' understanding of communication's impact in pharmacy, inspiring them to adopt clear, precise, and professional dialogue in their future careers.

## FACULTY ACHIEVEMENTS



Dr Saroj Yadav received certificate on Capacity Building Training Programme.

We are pleased to share that Dr. Saroj Yadav, Associate Professor at the School of Medical and Allied Sciences, has successfully completed a 5-day Capacity Building Training Programme on “Quality Control and Standardization of ASU&H Drugs”, held from March 3–7 at the Pharmacopoeial Commission for Indian Medicine & Homoeopathy (PCIM&H), Ministry of AYUSH, Government of India, Ghaziabad.

The training was designed to strengthen knowledge and technical skills in the quality assessment and regulatory standards of Ayurvedic, Siddha, Unani, and Homoeopathic (ASU&H) medicines. Dr. Yadav gained insights into various

aspects including drug standardization, quality control techniques, regulatory frameworks, and hands-on training on advanced instrumentation. The program also featured detailed discussions on the safety, efficacy, and quality evaluation of plant, animal, and mineral-based drugs, along with real-world case studies from the ASU&H sector.

Dr. Yadav extends her heartfelt thanks to the Management, Hon’ble Vice Chancellor, Dean Academics, HR Department, and her Dean for supporting her participation in this valuable training. The knowledge acquired during this programme will be instrumental in strengthening academic and research contributions within the institution.

## OUR ALUMNI



As proud alumni of the School of Medical and Allied Sciences, K.R. Mangalam University, it fills us with immense pride to see how far the institution has come in such a short span. Our time at the university laid a strong foundation for our professional journeys, shaping us not only as healthcare professionals but also as responsible contributors to society.

This newsletter is a wonderful reflection of the vibrant academic life, research activities, and achievements that continue to define our alma mater. It is encouraging to see the current students participating actively in workshops, seminars, and community initiatives — experiences that we know will stay with them for a lifetime. We urge our fellow alumni to stay connected, mentor the next generation, and contribute to the ever-growing legacy of the School. Let us continue to build bridges between the past and present — sharing knowledge, experiences, and opportunities.

**Kirti Harjai**  
Batch: 2019-2024, B. Pharmacy



Walking down memory lane, we often recall the classrooms, laboratories, and corridors of the School of Medical and Allied Sciences, K.R. Mangalam University — a place that didn’t just educate us but shaped who we are today. The knowledge we gained, the friendships we built, and the values we imbibed here continue to guide us in our personal and professional lives.

It is heartening to see our alma mater growing stronger each year, with students and faculty achieving new heights in research, innovation, and community service. This newsletter is a testament to the vibrant academic culture and the unwavering commitment to excellence that defines the School.

To the current students — cherish these years, seek out every opportunity, and never stop learning. And to our fellow alumni — let’s continue to stay connected, give back, and be proud ambassadors of our university wherever we go.

With warm wishes and enduring pride.

**Khushi Nagpal**  
Batch: 2020-24 B. Pharmacy

# RESEARCH & INNOVATION

## Patent

Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Patent	AI Assisted Device for Prediction of Breast Cancer	Ms. Samiksha Mishra	Indian	Indian	3/18/25
Patent	AI Based Device for Estimating Bioavailability of herbal extracts in Animals	Ms. Samiksha Mishra	Indian	Indian	2/17/25
Patent	Temperature Controlled Insulin Pump	Ms. Manisha Singh	UK design Patent	UK Design Patent	03/03/25
Patent	Device for Developing Lipid Labyrinths and nanostructures for enhanced drug delivery	Mr. Prashant	India	India	03/11/25
Patent	A NOVEL APPROACH FOR IMPROVING TOPICAL PENETRATION THROUGH FABRICATION OF TRETINOIN NANOCRYSTALS LOADED GEL UTILIZING AN ANTI-SOLVENT PRECIPITATION METHOD	Dr. Pankaj Gupta	India	India	2/19/25
Patent	FTIR enabled device for analyzing the chemical composition of smaller particles	Dr. Pankaj Gupta	India	India	01/06/25

## Journal Publication

Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Journal	Computer-aided drug design approach for alkaloids isolated from <i>Stephania glandulifera</i> Miers as potential acetylcholinesterase inhibitors	Mr. Mohit Agrawal	Journal of Biomolecular Structure & Dynamics	Taylor & Francis (UK)	3/31/25
Journal	Nanoformulation of Phytochemicals to Increase Antifungal Effectiveness Against Pathogens Resistant to Drugs	Dr. Saroj Yadav	Journal of Neonatal Surgery		3/31/25
Journal	ISOLATION AND CHARACTERIZATION OF CELLULOSE DERIVED FROM PROMINENT AGRICULTURAL WASTE (SUGARCANE BAGASSE) AND ITS UTILIZATION IN VARIOUS BIOMEDICAL FIELD	Dr. Narender Yadav	Journal of Applied Pharmaceutical Research	Journal of Applied Pharmaceutical Research	2/28/25
Journal	Nanoformulated Phytochemicals for Enhancing Antifungal Therapy Against Systemic Mycoses	Dr. Rishi Pal	Journal of Neonatal Surgery	EL-MED-Pub Publisher	3/17/25
Journal	Synthesis of Green Metal Nanoparticle using Medicinal plants extracts for Antimicrobial Activity	Dr. Rishi Pal	Journal of Neonatal Surgery	EL-MED-Pub Publisher	3/24/25
Journal	Lipid-Based Nanocarriers: Development and Assessment for Treatment of Hypertension	Dr. Rishi Pal	Journal of Neonatal Surgery	EL-MED-Pub Publisher	03/12/25
Journal	Clinical Insights into Protein-based Therapies for Precision Targeting of Psoriasis	Dr. Sucheta	Recent Advances in Inflammation & Allergy Drug Discovery	Bentham Science	06/02/25
Journal	Unlocking exosome therapeutics: The critical role of pharmacokinetics in clinical applications	Dr. Sucheta	Tissue and Cell	Elsevier	1/23/25

Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Journal	Discovery of Novel PTP1B Inhibitors by High-throughput Virtual Screening	Dr. Hema Chaudhary	Current Computer-Aided Drug Design	Bentham Science Publishers	1/16/25
Journal	Advancements of Glucose Monitoring Biosensor: Current State, Generations of Technological Progress, and Innovation Dynamics	Dr. Hema Chaudhary	Current Pharmaceutical Biotechnology	Bentham Science Publishers	01/02/25
Journal	miRNA-Targeted Vaccines: A Promising Approach for Viral Attenuation and Immunogenicity Enhancement	Dr. Hema Chaudhary	Current Gene Therapy	Bentham Science Publishers	02/04/25
Journal	Exploring the multifaceted potential of ZrO <sub>2</sub> nanoparticles: sustainable synthesis, anticancer properties, and electrochemical insight	Dr. Manoj Gadewar	Journal of the Australian Ceramic Society	springer	2/26/25
Journal	The Gut Connection: A Narrative Review on the In-depth Analysis of Gut Microbiota and Metabolites in Depression	Mr. Mohit Agrawal	Current Reviews in Clinical and Experimental Pharmacology	Bentham Science Publishers	1/31/25
Journal	Design, synthesis, molecular docking, DFT analysis, dynamics simulation and cytotoxicity evaluation of coumarin derivatives as acetylcholinesterase (AChE) inhibitors against alzheimer's disease	Mr. Mohit Agrawal	Journal of Molecular Structure	Elsevier	1/22/25
Journal	In Silico ADMET Studies, Molecular Docking and Molecular Dynamics Simulation of Thiadiazole Derivatives for the Identification of Putative HsaA Monooxygenase Inhibitors	Mr. Mohit Agrawal	Current Medicinal Chemistry	Bentham Science Publishers	2/20/25
Journal	Revolutionizing Disease Prevention: The Rise of mRNA Vaccines and Nanotechnology for the Treatment of Cancer and Infectious Diseases	Dr. Neha Minocha	Current Nanomedicine	Bentham Science	3/17/25
Journal	Exploring the Therapeutic Benefits of Moringa olifera: A Comprehensive Review	Dr. Neha Minocha	Current Drug Research Reviews	Bentham Science	3/17/25



Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Journal	Therapeutic potential of traditional herbal plants and their polyphenols in alleviation of mercury toxicity	Dr. Debashish Paramanick, Dr. Swati Kaushik, Dr. Mohd Mazhar, Dr. Parakh Basist	Naunyn-Schmiedeberg's Archives of Pharmacology	Springer	02/06/25

## Books & Book Chapters

Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Book Chapter	Neuropharmacological Mechanisms of SARS-CoV-2	Dr. Saroj Verma, Dr. Swati Kaushik, Ms. Manisha Singh	Taylor and Francis Group	Molecular Targets and Therapeutic Interventions against Neurodegenerative Diseases	3/31/25
Book Chapter	A Comprehensive Review on Advancement in Nano Polymer System for Drug Targeting	Dr. Debashish Paramanick, Dr. Deepika Modi, Dr. Farheen	WILEY	Multifunctional Materials: Engineering and Biological Applications	3/28/25
Book	Current and future potential of gastroretentive drug delivery system	Ms. Meher Priya Sharma, Ms. Sneha Anand	Lambert academic publishing	Current and Future Potential of Gastroretentive Drug Delivery System Advancements, Challenges, and Emerging Trends in Targeted Therapy	03/05/25
Book Chapter	Natural Bioactive Molecules as Neuromedicines for the Treatment and Prevention of Huntington's Disease	Dr. Hema Chaudhary, Mr. Mohit Agrawal, Mr. Yash Jasoria, Dr. Neha Minocha	Taylor & Francis (UK)	Natural Scaffolds for Prevention and Treatment of Neurodegenerative Disorders	3/28/25
Book Chapter	Extrusion-Based 3D Printing in Pharmaceuticals	Dr. Hema Chaudhary, Mr. Mohit Agrawal	CRC Press, Taylor & Francis (UK)	Handbook of 3D Printing in Pharmaceuticals Innovations and Applications	01/01/25
Book Chapter	Binder Jetting-Based 3D Printing in Pharmaceuticals	Mr. Mohit Agrawal	CRC Press, Taylor & Francis (UK)	Handbook of 3D Printing in Pharmaceuticals Innovations and Applications	01/01/25

Type	Title	Authors	Journal / Publisher	Name of the Conf. Proc / Book / Publisher / Country	Date of Publication/ Awarded
Book Chapter	Modern industrial perspective of nanobiosystems	Dr. Manoj Gadewar	Intelligent Nanobiosystems in Medicine and Healthcare	Elsevier	02/01/25
Book Chapter	Nanocarrier-Based Approaches for Alzheimer's Disease Treatment	Dr. Debashish Paramanick, Dr. Deepika Modi, Dr. Farheen	Nova Science Publishers, Inc.	Nova Science Publishers, Inc.	1/15/25
Book Chapter	Inflammation, Mitochondrial Dysfunction and Oxidative Stress Mechanisms in the Pathogenesis of Parkinson's Disease: Emerging Therapeutic and Clinical Approaches	Mr. Mohit Agrawal	NOVA SCIENCE PUBLISHERS, NEW YORK (SCOPUS)	Neurodegenerative Disorders: From Pathogenesis to Clinical Approaches	1/15/25
Book Chapter	Oxidative Stress and Neuroinflammation in Neurodegenerative Disorders	Mr. Mohit Agrawal	NOVA SCIENCE PUBLISHERS, NEW YORK (SCOPUS)	Neurodegenerative Disorders: From Pathogenesis to Clinical Approaches	1/15/25
Book Chapter	Novel Formulation Approaches for Targeting Alzheimer's Disease	Mr. Mohit Agrawal	NOVA SCIENCE PUBLISHERS, NEW YORK (SCOPUS)	Neurodegenerative Disorders: From Pathogenesis to Clinical Approaches	1/15/25
Book Chapter	Recent Updates in the Chemistry of Alzheimer's Synthetic Molecule	Mr. Mohit Agrawal	NOVA SCIENCE PUBLISHERS, NEW YORK (SCOPUS)	Neurodegenerative Disorders: From Pathogenesis to Clinical Approaches	1/15/25
Book Chapter	Emerging Therapeutic Approaches for Amyotrophic Lateral Sclerosis (ALS)	Mr. Mohit Agrawal	NOVA SCIENCE PUBLISHERS, NEW YORK (SCOPUS)	Neurodegenerative Disorders: From Pathogenesis to Clinical Approaches	1/15/25

# COMMUNITY OUTREACH

## A Case Study: Hypertension Screening and Awareness at Berka Village

The School of Medical and Allied Sciences (SMAS), K.R. Mangalam University, conducted a community hypertension screening and awareness campaign at Berka Village, Sohna (Gurugram), as part of its ongoing public health initiative. The activity was conducted under the guidance of Prof. (Dr.) Hema Chaudhary, Dean, SMAS, and coordinated by faculty members Dr. Narender Yadav, Ms. Meher Priya, and Ms. Sneha Anand, with active participation from B. Pharm 4th and 6th semester students. The campaign was held on 12th Feb, 27th Feb, 8th April, and 28th May 2025, and involved screening of 147 villagers. The objective was to assess the prevalence of hypertension, educate the rural population about its

risks, and provide free blood pressure screenings and lifestyle counseling. Participants were screened and categorized based on national hypertension guidelines. The findings revealed a notably high prevalence of Stage 1 and Stage 2 hypertension, especially among women aged 31–45 and those over 60. The team also emphasized non-pharmacological approaches such as diet modification, regular physical activity, and stress management. This impactful initiative reflects SMAS's commitment to community health, preventive care, and experiential student learning. We thank all faculty, students, and village members for making this event a success.



Community health check-up camp at Sohna, Gurugram – reaching rural lives with care.



Students conducting hypertension screening during rural health outreach.



Students conducting hypertension screening during rural health outreach.



Innovation in Motion – Faculty Guiding, Students Leading Bridging.



Health check-up to the villagers by the students.

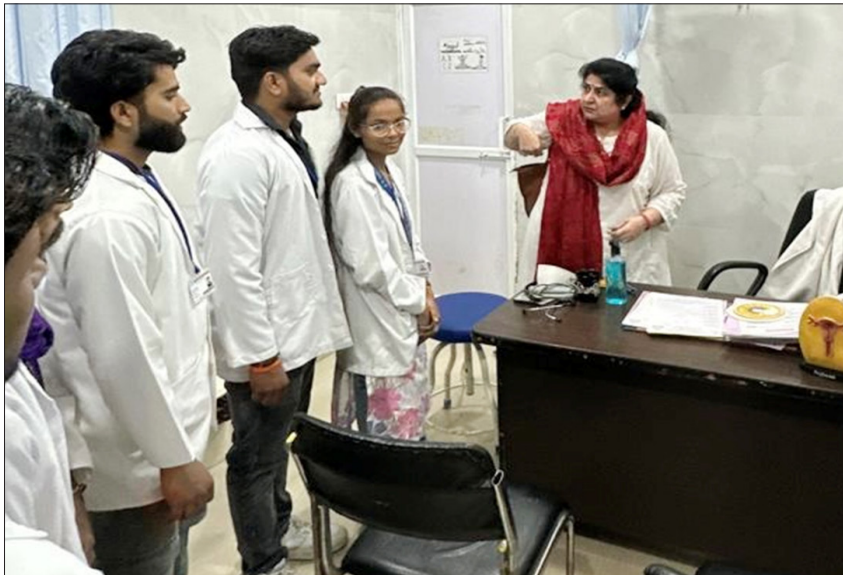


Action Beyond the Classroom – Our Team’s Commitment in Berka Villag.

## VISUAL ARCHIVES









**K.R. MANGALAM UNIVERSITY**  
**THE COMPLETE WORLD OF EDUCATION**

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