



RKGIT
(Pharmacy)



Pharmaware

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Sanya B.Pharm (II yr)

VISION

To be recognized as a foremost institution imparting quality pharmacy education to aspiring pharmacists with right competencies, attitude, skills and knowledge, for the greater benefit of mankind.

MISSION

To produce highly qualified and motivated graduates possessing fundamental knowledge and soft skills, who can provide sustainable solutions to health care problems.

To develop partnerships with industries, eminent institutes and government agencies in the field of pharmaceutical sciences.

To serve the community, at local, national and international levels, with a deep awareness of our ethical responsibilities towards profession and society.

PROGRAM EDUCATIONAL OBJECTIVES

OUR GRADUATES SHOULD HAVE: -

1. Have quality theoretical knowledge and practical skills on all core and allied fields of pharmaceutical sciences, so that they can face the challenges of the globalized scenario and contribute to the progress of the nation.
2. Enjoy successful careers in all settings of Pharma sector, by engaging themselves in professional development through leadership, communication, skills, teamwork and entrepreneurship.
3. Function ethically and lawfully in professional environment and exhibit good competency in their work culture.
4. Act as a link between healthcare system and community, so as to serve the society by the transmitting their knowledge, with a sense of social responsibility.
5. Participate in lifelong learning through advanced degrees, continuing education and/or professional activities.

AKTU APPROVED PHD RESEARCH CENTRE

NBA ACCREDITED (B.PHARM)

KNOW YOUR MEDICINE

Drugs to watch 2025 – included medicine report

GSK-3536819

The Drugs to Watch report included a first-generation vaccine from GSK. Its formulation targets the five groups of *Neisseria meningitidis* (A, B, C, W, and Y) responsible for most invasive meningococcal disease cases globally. GSK-3536819 candidate combines the antigenic components of GSK's licensed meningococcal vaccines, BEXSERO (MenB) and MENVEO (MenACWY).

mRESVIA

Following approval by the US Food and Drug Administration (FDA) in May 2024, the respiratory syncytial virus (RSV) vaccine mRESVIA® became available for adults aged 60 years old and over. RSV vaccines for this indication, AREXVY and ABRYVO, are also featured in the Drugs to Watch report this year.

<https://www.fda.gov/drugs>

NEW DRUG APPROVALS

Rhapsido (remibrutinib) Tablets

(Novartis pharmaceuticals)

Rhapsido (remibrutinib) is a kinase inhibitor indicated for the treatment of chronic spontaneous urticaria in adult patients who remain symptomatic despite H1 antihistamine treatment.

Enoby (denosumab-qbde) Injection

(Gedeon Richter plc and Hikma Pharmaceuticals plc)

Enoby (denosumab-qbde) is a RANK ligand (RANKL) inhibitor biosimilar to Prolia (denosumab) used in the treatment of osteoporosis.

Xtrenbo (denosumab-qbde) Injection

(Gedeon Richter plc and Hikma Pharmaceuticals plc)

Xtrenbo (denosumab-qbde) is a RANK ligand (RANKL) inhibitor biosimilar to Xgeva (denosumab) for use in the prevention of skeletal-related events in patients with multiple myeloma or bone metastases from solid tumors, treatment of giant cell tumor of bone, and treatment of hypercalcemia of malignancy.

<https://www.drugs.com/newdrugs.html>

HERBAL INFORMATION

GINKO (MAIDENHAIR TREE)

Botanical name: *Ginkgo biloba*

Family: *Ginkgoaceae*

Kingdom: Plantae



G. biloba is a long-lived, disease-resistant, dioecious tree with unique fan-shaped leaves, capable of clonal reproduction, and known for its striking yellow autumn foliage and resilience in disturbed environments. It was known historically as "silver fruit" or "white fruit" in Chinese and called "ginkgo" due to a centuries-old transcription error. It is closely related to cycads and characterized by unique seeds that resemble apricots but are not true fruits.

HEALTH BENEFITS:

Cognitive and Brain Health: *Ginkgo biloba* is often used to enhance cognitive function, particularly in age-related memory decline, dementia, and Alzheimer's disease, by improving blood flow to the brain and protecting neurons from oxidative stress.

Circulatory Health: It promotes blood circulation to the brain and extremities, making it useful for managing peripheral vascular disorders.

Anxiety and Mood: *Ginkgo biloba* may help reduce anxiety and mood disturbances by modulating neurotransmitter activity and reducing inflammation.

Dementia and Vertigo: It is used for the treatment of dementia and can help alleviate vertigo.

Tinnitus: The extract has been investigated for its potential to reduce the symptoms of tinnitus (ringing in the ears).

GINKGO BILOBA PREPARATIONS

- *Ginkgo biloba* leave extract capsules
- *Ginkgo biloba* tablets
- Tincture
- Body lotion



<https://www.mountsinai.org/health-library/herb/ginkgo>

STUDENT CORNER

Pharmacogenomics and Personalized Medicine: A New Era in Pharmacology

Introduction: Pharmacology has traditionally followed a 'one-size-fits-all' approach, where patients receive standardized drug dosages. However, not all individuals respond to drugs in the same way—some experience no benefit, while others suffer from severe adverse effects. Pharmacogenomics, the study of how genetic variations influence drug response, is transforming this paradigm by enabling personalized medicine. Genetic differences in drug-metabolizing enzymes, transporters, and receptors play a crucial role in variability of drug response. For example: CYP450 enzyme polymorphisms affect metabolism of antidepressants, antiepileptic, and anticancer drugs; VKORC1 and CYP2C9 variants determine sensitivity to warfarin; HER2 gene expression guides therapy with trastuzumab in breast cancer. By identifying such variations through genetic testing, clinicians can predict drug efficacy and toxicity before prescribing.

Benefits: Pharmacogenomics improves efficacy by ensuring the right drug and dose for the right patient, reduces adverse drug reactions, saves costs by avoiding trial-and-error prescriptions, and enables precision therapies in oncology such as targeted drugs against EGFR, HER2, and BCRABL.

Challenges: High cost and limited availability of genetic testing, lack of awareness among healthcare professionals, need for regulatory and ethical guidelines to protect genetic data, and insufficient integration of pharmacogenomics into routine practice.

Future Directions: The future lies in integrating pharmacogenomic testing with electronic health records, creating population-specific genetic databases, and expanding applications in chronic diseases like diabetes and hypertension. Advances in next-generation sequencing and AI-predictive models will further enhance personalized pharmacotherapy. In conclusion, pharmacogenomics represents a paradigm shift in pharmacology, moving from generalized treatment to precision medicine. For M.Pharm scholars, this field offers opportunities to contribute to cutting-edge research, improve patient outcomes, and bridge the gap between genetics and therapeutics.

Neha Chauhan

M.Pharm Ist Sem (Pharmacology)

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NEWS AT A GLANCE

Orientation Program Organized

RKGIT (Pharmacy) organized orientation program for B.Pharm and M.Pharm first-year students (Batch 2025–26) with participation from around 120 students. Held in the D-Block Seminar Hall, the event commenced with a traditional lamp-lighting ceremony in the presence of Dr. Laxman Prasad (Group Advisor, RKG Group), Mr. H.G. Garg (Dean Student Welfare, RKGIT), Dr. Munendra Mohan Varshney (DSW and Proctor Pharmacy), and faculty members. Mr. Abhinav Agrawal (Dean Academics), addressed the students, introducing the academic ethos of RKGIT Pharmacy. Dr. Munendra Mohan Varshney addressed about the anti-ragging measures. Dr. Laxman Prasad inspired the students with his motivational words. Mr. H.G. Garg explained the institutional and hostel facilities. The session concluded with a vote of thanks by Dr. Sagarika Kabra (Assistant professor).



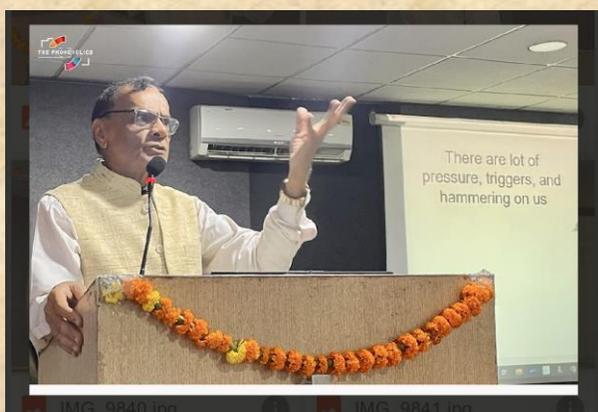
Celebrated World Pharmacist Day

RKGIT (Pharmacy) organized World Pharmacist day, in association with IPA, Delhi State Branch, on 25th sept 2025, revolved around the theme “Think Health, Think Pharmacist,” witnessing participation from over 300 students. Mr. Vipin Kumar HOD, Clinical Pharmacology, Fortis Escorts Heart Institute, New Delhi and Dr. Rajesh Agarwal, GM, R&D, Modi Mundi Pharma, Modipiram were the guest on this occasion. Mr. Abhinav Aharwal (Dean academics) welcomed the guests. Mr. Vipin Kumar explained the role of clinical pharmacology in hospitals, while Dr Rajesh Agarwal explained the research methodology and latest scenario of different pharmaceutical industries. The day began with poster presentations (PharmaScience on Display), followed by a plantation drive. An award ceremony honored academic achievers and event winners, with special recognition to alumni Ms. Tanisha (University Silver Medalist) and Ms. Shweta (GATE/GPAT Qualifier). Dr Laxman Prasad (Advisor, RKGIT Group of institutions) congratulated to all students and faculties on this occasion. Program coordinator, Ms. Rituparna Palit (Associate Professor) delivered the vote of thanks.



Talk Organized

RKGIT (Pharmacy) organized an Expert talk on 26th sept 2025, by Dr. A.K. Gupta, MD, Pharmasynth Formulations, New Delhi, attended by 250 students. Dr. Gupta delivered insights on the evolving pharmaceutical landscape, ethical practices, and career paths. His motivational address inspired students to align with industry expectations and maintain professional integrity. The event concluded with a vote of thanks by Mr. Abhinav Agrawal (Dean Academics), appreciating the speaker's impactful session. The entire 3-day series was successfully coordinated by Ms. Rituparna Palit and Dr. Sagarika Kabra.



YOU CAN NOT BELIEVE IN GOD UNTILL YOU BELIEVE IN YOURSELF

-SWAMI YVEKANADA



Faculty attended conference

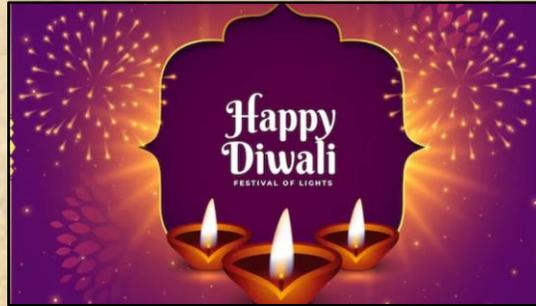
Mr. Mukesh Bansal (Assistant professor), Mr. Shivam Tyagi (Assistant professor), Mr. Nishant (Assistant professor) Participated in the series of lecture; Pharmaco-biotechnology Engineering the Next Generation of Medicines sponsored by DBT, CTEP, organized by Saraswathi College of Pharmacy held on 13th September 2025.



Student Achievement

Ms. Tanisha secured second position (Silver Medal) in AKTU, 2025. She was honored by Hon'ble Governor Uttar Pradesh, Smt. Ananden patel on the occasion of AKTU Convocation 2025. Ms. Tanisha also qualified GPAT, GATE, 2025 with AIR 2140.





Wishing all the readers
HAPPY AND Prosperous
Diwali

REGARDS

Pharmaware Team

For Views and Suggestions

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