



**RKGIT**  
**(Pharmacy)**



# Pharmaware

*A quarterly e-News Letter*

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*Jai Prakash*

*Lovely Kaushik*

## 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 continuing education

**ALL INDIA 29<sup>TH</sup> RANK IN NIRF-2016**

**AKTU APPROVED PHD RESEARCH CENTRE**

**NBA ACCREDITED (B.PHARM)**

## DRUG INFORMATION

### WHO BANNED COUGH SYRUPS

**Cough Syrups by Maiden Pharmaceuticals Banned:** Soon after the World Health Organization (WHO) banned four India-made cough and cold syrups, the Central Drugs Standard Control Organisation (CDSCO) launched a probe over the drugs linked to the death of 66 children in The Gambia. Manufactured by Haryana-based Maiden Pharmaceuticals Ltd, the four cough and cold syrups that are banned by WHO are —Promethazine Oral Solution, Kofexmalin Baby Cough Syrup, Makoff Baby Cough Syrup, and Magrip N Cold Syrup. WHO Issues Alert, for Indian Cough Syrup After casualty in Gambia. The four medicines are cough and cold syrups produced by Maiden Pharmaceuticals Limited, in India. They failed the test as they have unacceptable amounts of diethylene glycol and ethylene glycol as contaminants which is responsible for severe systemic and neurologic complications, including coma, seizures, peripheral neuropathy, and hepatorenal failure.

[www://indiahealth.com](http://www://indiahealth.com)

### NEW DRUG APPROVALS

The following drugs have recently been approved by the FDA.

- Furoscix (furosemide) Injection-subcutaneous loop diuretics.
- Lytgobi (futibatinib) Tablets- Cholangiocarcinoma.
- Relyvrio (sodium phenylbutyrate and taurursodiol) Powder for Oral Suspension - formerly AMX0035
- Iheezo (chlorprocaine hydrochloride) Ophthalmic Gel
- Vegzelma (bevacizumab-adcd) Injection
- Omlonti (omidenepeg isopropyl) Ophthalmic Solution
- Elucirem (gadopiclenol) Injection
- Pedmark (sodium thiosulfate) Injection
- Aponvie (aprepitant) Injection - formerly HTX-019
- Terlivaz (terlipressin) Lyophilized Powder for Injection

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

# HERBAL INFORMATION

## NIRGUNDI

**Botanical name:** *Vitex negundo*,

**Family:** *Lamiaceae*

**Kingdom:** *Plantae*



*Vitex negundo*, commonly known as the Chinese chaste tree, five-leaved chaste tree, or horseshoe vitex, or nisinda is a large aromatic shrub with quadrangular, densely whitish, tomentose branchlets. It is widely used in folk medicine, particularly in South and Southeast Asia.

Purified extracts are believed to have medicinal properties. *Vitex negundo* is used for treating stored garlic against pests and as a cough remedy. Some popular trade names of *Vitex negundo* are Ascof (in Phillipins), Plemex (in Malaysia) and bixa (in India).

### Health Benefits

- Relieves of Asthma Symptoms
- Treats Menstrual Cramps
- Relieves Anxiety
- Alleviates Joint Pain
- Cures High Fevers
- Relieves Epilepsy Symptoms
- Averts Premature Greying of Hair

### 1. NIRGUNDI PREPARATIONS

- Bixa nirgundi powder
- Nirgundi oil
- Prime Nirgundi Ras

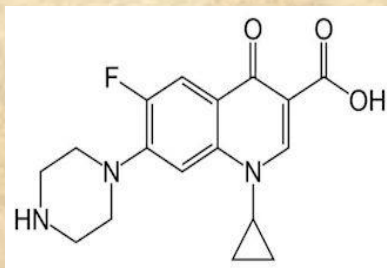


[https://en.wikipedia.org/wiki/Vitex\\_negundo](https://en.wikipedia.org/wiki/Vitex_negundo)

## STUDENT CORNER

### A STUDY ON FLUOROQUINOLONES

During the past 25-year, antibacterial agents have been introduced at rate exceeding our ability to integrate them into clinical practice. These are synthetic antibacterial agent structurally related to Nalidixic acid. Ciprofloxacin is marketed worldwide with well over 300 different brand names and since its introduce the value of Fluro-quinolones for the respective uses has been recognized.



The fluoroquinolones are broad spectrum, systemic antibacterial agents that have been used in the treatment of respiratory and urinary tract infections. Fluoroquinolones are active against a wide range of aerobic gram-positive and gram-negative organisms. Gram-positive coverage includes penicillinase- and non-penicillinase producing Staphylococci, Streptococcus pneumoniae and viridans, Enterococcus faecalis, Listeria monocytogenes, and Nocardia species. Gram negative coverage includes Neisseria meningitidis and gonorrhoeae, Haemophilus influenzae, and most clinically important Enterobacteriaceae species, Pseudomonas aeruginosa and Vibrio species. The fluoroquinolones are believed to act by inhibition of type II DNA topoisomerases (gyrases) that are required for synthesis of bacterial mRNAs (transcription) and DNA replication. They demonstrate little inhibition of human, host enzymes and have had an excellent safety record. The fluoroquinolones are indicated for treatment of several bacterial infections, including bacterial bronchitis, pneumonia, sinusitis, urinary tract infections, septicemia and intra abdominal infections, joint and bone infections, soft tissue and skin infections, typhoid fever, anthrax, bacterial gastroenteritis, urethral and gynecological infections, and pelvic inflammatory disease and several other infectious conditions.

Some FDA-approved fluoroquinolones were swiftly withdrawn from the market after severe adverse reactions and several deaths — trovafloxacin, withdrawn in 1999, damaged livers, for instance. But others became the drug of choice both for serious infections and for routine complaints, despite rare side effects. FDA-approved fluoroquinolones include levofloxacin (Levaquin), ciprofloxacin (Cipro), ciprofloxacin extended-release tablets, moxifloxacin (Avelox), ofloxacin, gemifloxacin (Factive) and delafloxacin (Baxdela).

*Amit Kuamr, Anshul Panchal*

*B.Pharm VIIth Sem*

## NEWS AT A GLANCE

### Memorandum of Understanding

A Memorandum of Understanding was signed between RKGIT Pharmacy and Shri Ram Institute of Industrial Research. Dr. Mukul Das, Director, Shri Ram Institute of Industrial Research, along with his team of distinguished scientists visited the Institute on 7th July 2022. It is a matter of great pride for the Institute to have signed MOU with an eminent research institute Shri Ram Institute for Industrial Research.



### Walkathon

Indian Pharmacopoeia Commission (IPC), Ghaziabad organized the 2nd National Pharmacovigilance week from 17th-23rd September. A Pharmacovigilance walkathon was held on 20th September 2022 in which all the staff of IPC and B.Pharm and M.Pharm students participated. Walkathon was started from IPC Ghaziabad and moved towards the Combined district hospital, Sanjay Nagar, Ghaziabad where a small Nukkad Natak was performed for the people to make aware them about ADR'S (adverse drug reaction's).



## Visit to Homeopathic Pharmacopoeia Laboratory

RKGIT (Pharmacy) organized a visit to Homeopathic Pharmacopoeia Laboratory, Ghaziabad on 14th, September 2022 for M. Pharm and B. Pharm 3rd year students. The students observed various herbal plants and visited pharmacognosy, microbiology, and chemistry lab one by one. Dr. Lalit Tiwari (Sr. Scientific Assistant) explained various methods for the standardization of herbal drugs. The demonstration of an electron microscope was also given to students. They explained various chromatography techniques, standard markers, and different instruments of the microbiology lab. The Director, Dr. G.V.R. Joseph gave a brief introduction about the lab and explained different methods of standardization, and types of formulation present in the homeopathy lab. They also explained the importance of dilutions in Homeopathic formulation. It was a great learning experience for all the students.



## Orientation program for Diploma in Pharmacy

An orientation program for Diploma in Pharmacy was conducted on September 26, 2022 from 10:00 am at Seminar Hall, F block. The program started with the traditional lighting of lamp and saraswati vandana. Dr Monika Sachdeva, Principal Pharmacy welcomed all the students. In her address she mentioned that since pharmacists are an important part of healthcare Team, they must always be dedicated and committed to their profession. Dr Viswanath Agrahari, Associate professor and coordinator D.Pharm apprised all the students about the ordinances and subjects to be studied in D.Pharm. Mr. Abhinav Agrawal gave an insight into the pharmaceutical industry and the opportunities after D.Pharm. He also talked about the antiragging measures being taken in the institute. Dr Umesh Kumar Singh, Director (R&D) encouraged the students to have a positive outlook and always be happy. Thereafter the students were taken on round of all the labs/library and other facilities of the institute. The program was coordinated by Ms Archna Gupta (Assistant professor) and Ms Priya Tyagi (Assistant professor)



## Blood Donation Camp

RKGIT (Pharmacy) organized blood donation camp in association with Rotary club and Vardan Hospital on 21st September 2022 in which several students were registered and donated their blood. Secretary of rotary club said that this blood donation camp will help hundreds of people. During the camp, Dr. Monika Sachdeva (Principal, Department of Pharmacy), Dr. Laxman Prasad (Group Adviser) and all the faculty members were present. Mrs. Kirti Kaushal (faculty), Mr. Surya Goel (faculty), and Ms. Shallu Sharma (faculty) coordinated the blood donation camp. Dr. Deepak Mishra and Mrs. Meera Mishra marked their presence from rotary club.



## World Pharmacist's Day – 2022

RKGIT (Pharmacy) celebrated in association with IPA Delhi Branch, World Pharmacist's Day on 22nd September 2022. On This Day Plantation, poster presentation, creative writing, oral presentation, science fair events were organized. During the event of plantation, Honorable guest, Dr. Surendra Kumar, Senior Pharmacist, District Combined Hospital, Ghaziabad and Ms Priyanka Nagar, Scientific assistant, IPC Ghaziabad (Alumnus of RKGIT, Batch 2005-09) were initiated and felicitated. All the students participated with great enthusiasm in all events. Highlight of the event were the work model prepared by students during science fair events. All the winners and participants of the events received cash prize and certificates respectively. The event was coordinated by faculty coordinators Ms. Rituparna Palit, Ms Archana Ojha and Ms Anushka jain (Assistant Professor) and student coordinators Mr Prashant Sarswat and Mr Parikshit Sachdeva (M.Pharm IInd Yr). Coordination of all the students and faculty members made this event a grand success.

## Glimpse of World Pharmacist's Day – 2022







**WISHING ALL READERS  
HAPPY AND PROSPEROUS DIWALI**



**REGARDS**

**Pharmaware Team**

*For Views and Suggestions*

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