



# KARNATAKA REGISTERED PHARMACISTS ASSOCIATION<sup>®</sup>

# CH 51, 6th Main, 5th Cross, 1st Floor, Above Sri Krishna Bakery,  
Saraswathipuram, Mysuru-570009.

Ph: 9738366942 Web : [www.krpaIndia.com](http://www.krpaIndia.com) Email : [krpaIndia@gmail.com](mailto:krpaIndia@gmail.com)

Edition 35

## EDITORIAL TEAM

Mrs. Shilpa Palaksha  
Dr. Chandni Saha  
Mr. Atiqulla Shariff  
Mr. Balaji S

Mr. Ravinandan A P  
Dr. Annegowda H V  
Ms. Nayana P Kunderi  
Dr. Jehath M Syed

Dr. Nagashree K S  
Dr. Ravina Ravi  
Ms. Shifa Taj  
Ms. Priya J Aradhya

HAPPY  
*Maha  
Shivratri*



# INDEX

## Medical Cannabis

*Trending*



### Mr. Sunil S Chiplunkar

M Pharm (Pharmacology)  
MBA (Marketing) PGDHRM (PhD)  
VP – Business Development,  
Group Pharmaceuticals, Bangalore,  
Email: 1969sunilchiplunkar@gmail.com

**Mr. Ravinandan A P**  
M. Pharm, MBA, FSASS, (Ph.D.)

**Ms. Meghana Gowda. D**  
5th Pharm D



**TRIGGER TOOL IN  
DETECTION OF  
ADVERSE DRUG  
REACTION**

## ನಿರ್ದಯ ಸುಖ

ಡಾ. ರೇಖಾ ಕೆ ಶೆಟ್ಟಿ  
ಬೋರಿವಲ, ಮುಂಬೈ



**INSPIRATIONAL  
PHARMACIST**

**DR. MURALI DIVI**



# KARNATAKA REGISTERED PHARMACISTS ASSOCIATION ®

# TAX DEDUCTION EXEMPTION REBATE



**KRPA** has received **80G and 12A**  
registration from the  
**Income Tax Department.**

**SPONSORS  
GET 80G  
BENEFIT NOW**

Depositing Amount through NEFT/  
RTGS/ ECS

Union Bank of India

Saraswathipuram, Mysuru-570009

A/c No: 520101071373086

A/c Holder: Karnataka Registered  
Pharmacist Association

Type of A/c: Savings Bank Bank

(MICR) Code: 570026015

IFSC Code: UBIN0921505

After depositing amount in bank &  
immediately inform

Dr. Kaushik D., president.

Mob: 7899528997

Sponsor for  
Development of  
Pharmacy Programmes

# Medical Cannabis

## *Trending*



The word cannabis is a very catchy word – a ring of mystery and adventure added to it! Cannabis is popularly known world over as marijuana in general language. The US department of health, however, differentiates the two words: cannabis stands for all products derived from Cannabis sativa (which contains 540 chemical substances) and marijuana refers to all the parts or products derived from the plant Cannabis sativa - but contain substantial amounts of THC (tetrahydrocannabinol). The WHO does not differentiate between marijuana and cannabis: WHO says cannabis is a generic term to denote the various psychoactive preparations from the plant of Cannabis sativa. The Department of Justice, USA Drug Enforcement Administration uses marijuana and cannabis as synonyms and defines marijuana as a mind altering (psychoactive) drug produced by Cannabis sativa. THC (delta 9- tetrahydrocannabinol) is the main psychoactive agent in Cannabis sativa. In India marijuana or cannabis is known as ganja, a powerful preparation from Cannabis sativa and the word ganja was introduced to Europe in 1856!

### **Why is cannabis not a legally widely available substance like alcohol or tobacco products?**

Cannabis causes psychological and physical addiction - as the use of same produces feelings of escapism from reality, there is a feeling of relaxation, pleasure, and the cannabis usage improves mood. All these escapade experiences are considered addictive. Delta-9-THC in cannabis interferes with various parts of the brain functioning like hippocampus and amygdala modifying memory creation and feelings. Long term use causes shrinkage of these areas and affects brain structure. Marijuana causes higher heart rate (many people check the heart rate of suspected marijuana users to get a clue of their addiction). Use of marijuana for short term or long term is associated with mental problems including panic disorder.

Similar to alcoholism and tobaccoism, there is addictive substance use disorder in a cannabis user. He or she gets the addictive high with cannabis, it becomes a compulsive experience and the person's behaviour becomes directed by the substance use. Hence, the addicted person is always in search of the substance, behaves a slave of the addictive substance - and is ready to do anything to obtain the feeling of getting stoned. Alcohol, tobacco and cannabis are also called gateway drugs since it leads to use of higher potent addictive drugs by the addict in search of various types of 'high'. Cannabis addiction is a fast developing habit – a person should say an emphatic: NO, to cannabis and other addictive substances, the first time and every time.

### **Cannabidiol (CBD)**

The other major ingredient of cannabis is CBD (cannabidiol). The collective name for THC, cannabidiol and related compounds of cannabis is cannabinoids. There are 100 plus types of cannabinoids.

## 0.30% THC cut-off

To get a high, the cannabis or marijuana product has to have minimum 0.30% THC. In India and elsewhere, a form of marijuana available quite easily is hemp, which has less than 0.30% THC. Hemp has many industrial uses including making ropes, packaging materials, clothing, shoes, medicines etc. In USA no amount of THC or CBD in any food or nutraceutical or other types of items for oral consumption or inhalation is permitted. Transdermal patches of cannabis (with low THC or CBD and does not cause any high, are available).

## Medical cannabis

Overall, since cannabis is not a medicinal herb but a notorious addictive plant with cannabinoids like THC and CBD (cannabidiol), US FDA has not approved legal use of cannabis for medical purpose. However, certain states in USA have made marijuana legal for recreational and medical purpose.

## US FDA has approved some individual cannabinoids:

- a) Epidiolex for treatment of certain types of epilepsy is made of an individual cannabinoid.
- b) Nabilone and dronabinol are cannabinoid like substances used for management of nausea and vomiting due to cancer chemotherapy

Since recreational use of marijuana or cannabis is prevalent, and its effect known, some medical researchers are toying with the idea of using forms of cannabis for medical treatment, example: relief of chronic severe cancer pain. Cannabis researchers are also championing medical use of cannabis or marijuana in pain relief, irritable bowel disease, anxiety, epilepsy, loss of appetite and weight loss (in HIV patients), inflammatory bowel disease, movement disorders, multiple sclerosis, post traumatic stress disorders and sleep related problems. The growing numbers of marijuana users in USA for recreation mainly - and allegedly feeling of well-being (medical usage) has led some states in USA to legalize marijuana usage. In 37 states of USA, medical usage of cannabis is legal. Pharmacies in Australia and certain states of USA offer medical cannabis products under controlled drug items category. In Canada, people are asking for medical cannabis availability in pharmacies and there are courses for pharmacists so they are trained to manage ill effects of marijuana use in patients.

In India, Hempcan and Cannapain are cannabis derived products sold and used by patients in a Bangalore based cannabis medical clinic.

There is a long history of cannabis usage in India from 2000 BC: charas (resin), ganja (flower), and bhang (seeds and leaves) of Cannabis sativa. Ancient Vedic drink soma is said to contain cannabis along with other ingredients. Bhang drink is used during Holi celebrations of North India. In UP and other parts of N India, authorized government bhang shops sell this softer form of Cannabis. NDPS (Narcotic Drugs and Pschotropic Substances Act) excludes bhang from illegal status. However, various states of India have passed laws restricting use of bhang too. There is a medical cannabis clinic in Koramangala, Bangalore.

Thus we see medical cannabis is a trending pharmacy issue. In days and months to come medical cannabis use and their placement in pharmacies will also be an issue for discussion and action.

### Mr. Sunil S Chiplunkar

M Pharm (Pharmacology) MBA (Marketing) PGDHRM (PhD)  
VP – Business Development, Group Pharmaceuticals, Bangalore,  
Email: 1969sunilchiplunkar@gmail.com



Specially formulated  
toothpaste for kidz



**Rediflor<sup>®</sup> kidz**

Only toothpaste with  
**10% xylitol**

**Stronger  
Milk Teeth**



Musk Melon



Bubble Gum



Natural Orange

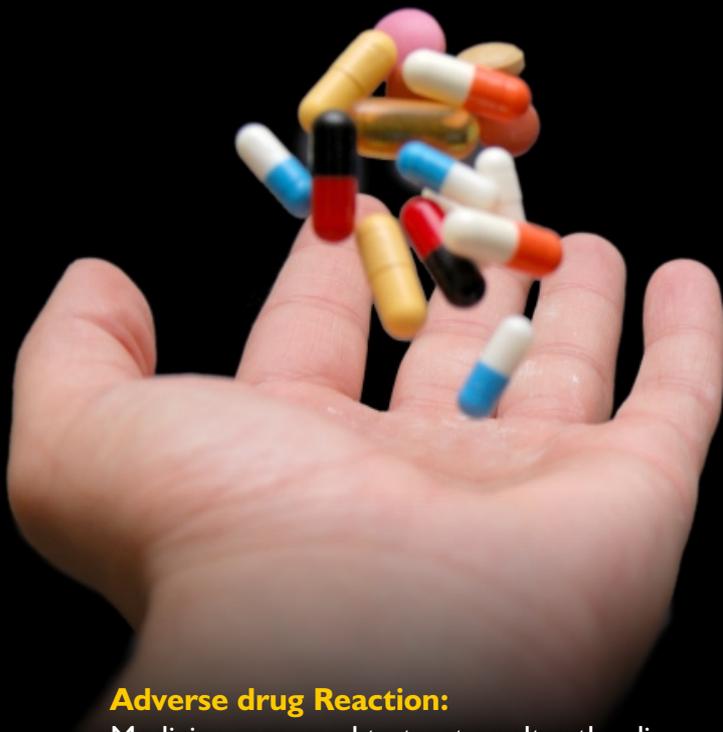


Green Apple

Contact: [ipsugandhi@grouppharma.in](mailto:ipsugandhi@grouppharma.in)  
or WhatsApp to: 77609 12222.  
Visit us: [www.grouppharma.com](http://www.grouppharma.com)

Group Pharmaceuticals Ltd  
healthy smiles matter





# TRIGGER TOOL IN DETECTION OF ADVERSE DRUG REACTION

## Adverse drug Reaction:

Medicines are used to treat or alter the diseases. While we are using for this purpose, sometimes it may also produce unwanted and /or unintended effects. Occasionally these effects increases length of hospital stay, treatment cost, alters quality of life, disabilities of organs function and death of the patients.

According to WHO an adverse drug reaction is “any response to a drug that is noxious and unintended that occurs at doses normally used in male for prophylaxis, diagnosis, or treatment of disease, or for the modification of physiological function.” And Pharmacovigilance is the science and activity relating to detection, assessment, and prevention of adverse effect of any drug related problems.

## Types of ADRs:

ADRs can be classified on various basis and are as follows.

### 1. Traditional classification of ADR:

- Type A
- Type B

### 2. Newer classification of ADR:

- Type A [augmented]
- Type B [bizarre]
- Type C [continuous]
- Type D [delayed effects]

### 3. Wills and Brown classification:

- Type A
- Type B
- Type C
- Type D
- Type E [end of treatment]
- Type F [familial]
- Type G [ genotoxicity]
- Type H [ hypersensitivity]
- Type U [un classified]

### 4. Depending on severity:

- Minor ADR
- Moderate ADR
- Severe ADR
- Lethal

## Predisposing factors of ADR:

The predisposing factors of ADR are polypharmacy, multiple and intercurrent disease, age, drug characteristics, gender [ more in females], race and genetic factors. If any patients have any of these factors are more prone to develop the ADRs and it is directly proportional to number of ADRs.

## Cost for a recovery of an ADR:

ADRs not only affect the quality of life and health. But, it also expect cost to manage each reactions. As per the previous report, the recovery cost of an ADR in the individual is little bit expensive range from 500 to 1000 and more in severe cases.

Hence, early detection and proper management of ADRs is the key to achieve successful treatment in patients. In this management process, trigger tool plays a significant role and

## Some Adverse Drug Reaction



Itch



Swelling



Difficulty Breathing



Skin Reaction

## TRIGGER TOOL:

A trigger is defined as an occurrence, prompt, or flag, found on review of the medical record that triggers further investigation to determine the presence or absence of an adverse event.

Examples: Drug trigger, laboratory trigger, patient trigger

## Methods:

- Global trigger tool
- Institution for healthcare improvement [IHI]

Several hospitals have used these trigger tool to detect or identify, measures the degree of harm or damage or injury from adverse drug reactions or adverse drug events (ADE). It also helps to identify the areas for upgrading their hospitals. Developing and implementing collaborative trigger tool certainly easier the tracking of ADRs or ADEs and even accurate.

## How it helps?

- It helps to provides instruction for conducting a retrospective review of patient records using triggers to identify possible ADRs.
- It will help to know the list of known ADE triggers and instructions for measuring the number degree of harmful medication events.
- It helps to identify and quantify the risks associated with the use of drugs provided in hospital setting.
- Helps in highly effective identify cation of ADRs in comparison to traditional approach.



## Review Evaluation:

### 1. Trigger tool evaluation on geriatric patients

Zolezzi M, Forbes A, Parsotam N, Asamoah P, Cheng G, Ngieng ML, Oldfield B, Park SS. Investigation of trigger tools for detecting adverse drug reactions. *Journal of Pharmacy Practice and Research*. 2007 Sep;37(3):225-7. Zolezzi M, Forbes A, Parsotam N, Asamoah P, Cheng G,

Ngieng ML, Oldfield B, Park SS. Investigation of trigger tools for detecting adverse drug reactions. *Journal of Pharmacy Practice and Research*. 2007 Sep;37(3):225-7.

### 2. Evaluation of trigger tool method for ADR monitoring at a tertiary care teaching hospital

Menat U, Desai CK, Panchal JR, Shah AN. An evaluation of trigger tool method for adverse drug reaction monitoring at a tertiary care teaching hospital. *Perspectives in Clinical Research*. 2021 Jan;12(1):33.

Therefore, by development and evaluation of the trigger tool method is easy to identify the adverse effect of the drugs and prevent and assessment of the adverse effect of any drug related problem.



**Mr. Ravinandan A P**

M. Pharm, MBA, FSASS, (Ph.D.)  
Assistant Professor and Research Scholar  
Department of Pharmacy Practice  
Sree Siddaganga College of Pharmacy  
In Collaboration with  
Siddaganga Hospital and Research Centre  
BH Road, Tumkur, Karnataka



**Ms. Meghana Gowda. D**

5th Pharm D  
Sree Siddaganga College of Pharmacy,  
Tumakuru, Karnataka, India



# Grand App Launch

Inauguration by



Her Highness Rajamata  
Dr. Pramoda Devi Wadiyar



Chief Guest  
Prof. K.S. Rangappa



Special Invitees  
Ankitha Amar



# ನಿರ್ದಯ ಸುಖ

ಅಮ್ಮನಿಂತ ಬಂಧು ಇಲ್ಲ ಉಪ್ಪಿಂತ ರುಚಿ ಇಲ್ಲ  
ಆದರೆ ನಿರ್ದಯ ಹೆಜ್ಜಿನ ಸುಖವಿಲ್ಲ  
ನಿದ್ರಾ ದೇವತೆಯ ಮಣಿಲಲ್ಲ ತಲೆ ಇಟ್ಟು ಮಲಗಿದಲ್ಲ  
ಸುಖದ ನಿರ್ದಯ ನಿಮ್ಮ ಕಣ್ಣುಗಳಲ್ಲ  
ವಾಸ್ತವದಿಂದ ಬಹಳ ದೂರದಲ್ಲ  
ಹೊಸ ಜಗತ್ತಿನ ತೀರದಲ್ಲ ಕಾಲ್ಪನಿಕ ಜೀವನದ ಕಲ್ಪನೆಯಲ್ಲ  
ಮೈಮರೆತು ಕಳತಲ್ಲ ತೂಗುಯ್ಯಾಲೆಯ ಅನುಭವ ಮನದಲ್ಲ  
ಸಮಯ ಕಳೆಯಲಾಗದೆಂಬ ದೂರಲ್ಲ  
ಜೀವನದ ಜಂಜಾಟದ ಕಷ್ಟವಿಲ್ಲ ಸುಖ ದುಃಖದ ಲೆಕ್ಕಾಚಾರವಿಲ್ಲ  
ಮನೆಯ ಒಳಗೆ ಹೊರಗಿನ ಜವಾಬ್ದಾರಿಯನ್ನು ಮರೆತು  
ನಿದ್ರಾ ದೇವತೆಯ ಚರಣ ಕಮಲವೇ  
ಮಾಯಾ ಮೋಹದ ಪಾಶಕ್ಕೆ ಸಿಲುಕದೆ  
ನಿರ್ದಯ ಮಂದಿರದಲ್ಲ ಮಗುವಿನ ಪರಿಶುದ್ಧ ಮನಸ್ಸಿನಂತೆ  
ದೇವರನಾಮ ಜಪಿಸುವುದೇ ಒಂದು ಶಕ್ತಿ,  
ಅದಕ್ಕೆ ಬೇಕು ಬಹಳಷ್ಟು ಭಕ್ತಿ, ಧ್ಯಾನದ ವ್ಯಾಯಾಮದಿಂದ  
ಅದನ್ನು ಪಡೆಯುವುದೇ ಅತೀ ಸರಳವಾದ ಯುಕ್ತಿ  
ಬರೀ ನಿರ್ದಯ ಇಲ್ಲದೆ ಕಳೆಯುವ ವ್ಯಕ್ತಿಗೆ ಮಾತ್ರ ತಿಳಿಯಲಿದೆ  
ನಿರ್ದಯ ಸುಖದ ಮಹತ್ವ

ಡಾ. ರೇಖಾ ಕೆ ಶೆಟ್ಟಿ  
ಬೋಲಿವಲ, ಮುಂಬೈ



# Mulmina<sup>®</sup>

Say hello to health...

Clinically Proven

Immune Booster, Antioxidant and Stress Reliever



ORAC\*  
VALUE  
5668/PACK



ORAC\*  
VALUE  
5400/PACK



ORAC\*  
VALUE  
5620/PACK

24  
Kcal



16  
Kcal



Low calorie  
variant

Tasty nutritious way for good health

- Aseptic packing
- No Preservatives
- Ready to Drink

Meets recommended daily requirement of antioxidants

ORAC : Oxygen Radical Absorbance Capacity. USDA Recommends 3000 - 5000 ORAC Units/Day\* <https://agreeseachmag.ars.usda.gov/1999/feb/aging>



**JUGGAT PHARMA**

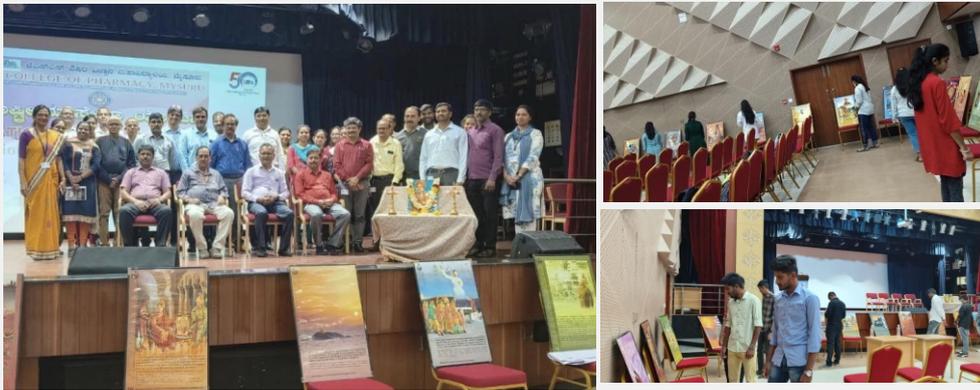
(Division of Jagdale Industries Pvt. Ltd.)  
No.782, 15th Cross, 1st Phase,  
JP Nagar, Bangalore - 560 078

Tel : 26635631, 26635026, 26635642

Fax : 080-26636231

e-mail: info@jagdale.com visit us at: www.jagdale.com

# JSS College of Pharmacy



In collaboration with NSS Unit JSS College of pharmacy.

The National Youth day was celebrated on 12th January 2023 in JSS College of pharmacy, Mysuru Auditorium. On this occasion a exhibition was organised by displaying swami vivekananda Posters all the students , teaching and non teaching staff, ph.d Scholars were present during the event



Government of Karnataka organised yogathon 2023 at the race course today. The NSS Unit JSS College of pharmacy, Mysuru participated with NSS volunteers, program officer, Principal and Dean, Vice Principal, Staff members were taken part in this event.. Around 80k popls through out the mysuru district grace the occasion..



Suttur jatra mahotsav at Suttur mat Mysuru. Our college students participated with guidance of cultural coordinators and been a part of this event.



# Plant Diet

## Solutions for your health

“  
 The secret diet of our ancestors' long and healthy living  
 ”

### Benefits:

- **Super Cap**- Helps to prevent modern lifestyle disorders
- **Plant Protein**- Goodness of ancient Indian super food and plant derived protein for healthy weight, strong muscles and quick energy
- **Plant Diet Care Range**- Expert formulation for specific health concerns



### Plant Diet Care range:



Also includes: Joint Care ● Bone Care ● Circulatory Care  
 Immunity Care ● Respiratory Care ● Skin Care ● Uterine Care

**DISCLAIMER:** Health supplement, not for medicinal use. This product is not intended to diagnose, treat, cure or prevent any diseases.

For customer query/feedback: Email: [info@atrimed.com](mailto:info@atrimed.com) Tel: 7338126664, 8448444292, 91 80 41123727

Follow us on: [www.plantscience.in](http://www.plantscience.in)



Available in all leading medical stores & Ayurvedic stores.



NSS unit of Sri Adichunchanagiri College of Pharmacy organised \*Cleanliness Drive\* at B G Nagara railway station on 31 January 2023 to mark \*National Cleanliness Day\*.

National Cleanliness Day in India is celebrated every year on January 30 with the aim of promoting cleanliness and sanitation as a way of life. The significance of this day lies in its ability to raise awareness about the importance of maintaining cleanliness and the role of each individual in keeping the environment clean.

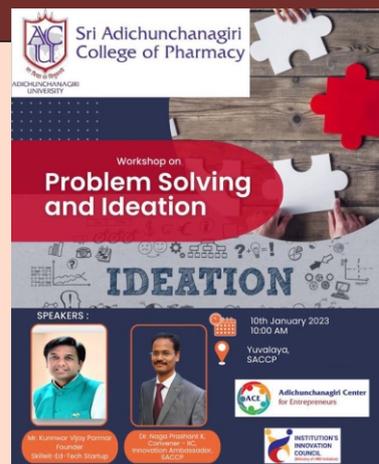
Around 30 NSS volunteers participated in the work relating to the cleaning of the platforms and pathways of the railway station.



Freshers' Day is a welcoming celebration to newbies and a sign of extending the amicable environment and to be encouraging elements for juniors. It is the day that seniors and juniors finally join and gather to enjoy being part of the institution.

The welcoming of young entrants of D PHARM, B PHARM, PHARM D AND M. PHARM 2022-2023 was held by 5TH PHARM. D & 7th B. Pharm students and very nicely complimented by students of other courses as well.

Mr. Lakshman K. H. Nagamangala, respected principal, heads of various department, and students kicked off the event "Euphoria Blast 2K23" with the lamp lighting and an introductory address.

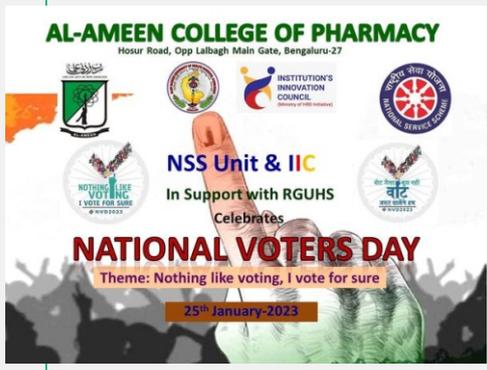




## Al-Ameen College of Pharmacy, Bangalore

National Voters Day (NVD) is celebrated by NSS Unit & IIC in support with RGUHS at Al-Ameen College of Pharmacy, Bangalore on 25/01/2023.

On this occasion, teachers and students took pledge to mark the NVD celebrations. This year NVD 'Theme: Nothing Like Voting, I Vote for Sure' is dedicated to voters which conveys individual's feeling and aspiration towards participation in the electoral process through power of their vote.



Fresher's Orientation Program was conducted at Al-Ameen College of Pharmacy, Bangalore on 19-01-2023 for Fresher students of D. Pharm, B.Pharm, Pharm-D, Pharm-D (PB) & M.Pharm for 2022-23 Academic Batch. Mr. Umar Ismail Khan, Chairman, Al-Ameen Educational Society Presided the function. Principal, Distinguished guests inaugurated the ceremony by watering the plant. Dr Chief Guest Shivakumar Swamy, Senate Member, RGUHS enlightened the Fresher's with his Motivational & Inspiring talk & gave the importance of Pharmacy profession and how to excel as future leaders of healthcare profession. Guest of honor Dr Munir Ahmed, Director, RAATI, RGUHS, Bangalore advised the fresher's to be passionate, persistent and have a good aptitude to attain success in their endeavours.




**AL-AMEEN EDUCATIONAL SOCIETY**  
**AL-AMEEN COLLEGE OF PHARMACY**  
 Hosur Road, Opp. Lalbagh Main Gate, Bangalore - 560 027.

*Management & Staff Cordially Welcome to all our Newly admitted Students of 2022-23 Batch for*  
**FRESHER'S ORIENTATION PROGRAM**

**CHIEF GUEST**  
**Dr. SHIVAKUMAR SWAMY**  
 Senate Member, RGUHS  
 Principal, Mallige College of Pharmacy, Bangalore

**GUEST OF HONOUR**  
**Dr. MUNIR AHMED R**  
 Director, RGUHS Academic & Administrative Training Institute (RAATI)  
 Professor, Govt. Homeopathic Medical College, Bangalore

**PRESIDED BY**  
**Mr. UMAR ISMAIL KHAN**  
 Chairman, Al-Ameen Educational Society, Bangalore

**Date:** 19-01-2023 Thursday      **Time:** 10:00 AM  
**Venue:**  
 New Seminar Hall, Al-Ameen Campus, Hosur Road, Bangalore - 560 027.  
 Principal & Staff





## Sree Siddaganga College of Pharmacy

# 2nd Graduation Day Ceremony 2022

Sree Siddaganga College of Pharmacy, Tumkur had organized the 2nd Graduation ceremony at Siddaganga Institute of Technology (SIT) Birla Auditorium on 06/01/2023. The Chief Patron was His Holiness Sree Sree Siddalinga Mahaswamigalu, Revered President, SS Mutt, Tumkur, and Patrons were Sri. T K Nanjundappa, Hon. Secretary, SSES, SS Mutt, Tumkur, Dr. S Sacchidanand, Former Vice Chancellor, RGUHS, Bengaluru, Dr. Shivakumaraiah, CEO, SIT, Tumkur.

The Chief Guests on the occasion were Sri S Murali, Vice President - Operations Nouveau Medicament Pvt Ltd. and Dr. Shalini M, Principal-SMCRI, Tumkur. Program convenor was Dr. Suresh V Kulkarni, Principal-SSCP, Tumkur

The Graduation Ceremony began with a majestic march in the SIT campus. Then the programme started with prayer song and Lamp lighting by the dignitaries. The formal function began with a welcome address by Dr. Suresh V Kulkarni. The Principal welcomed everyone and gave a bird's eye view of the achievements of the Graduands and gave motivational speech on the importance of college education and the values to carry forward in their life. Graduation Ceremony was declared by Sri. T K Nanjundappa.

In the year 2022, Sree Siddaganga College of Pharmacy, Tumkur has witnessed the graduation of 85 B. Pharm, 24 Pharm D, 22 M. Pharm, and 1 PhD from RGUHS, Bengaluru which was indeed a prestigious moment. All the graduands were awarded with Provisional Degree Certificate (PDC) and mementos by Dr. S Sacchidanand and Sri S Murali followed by Dr. Shalini M.

Students have taken Pharmacist's Oath which was administered by Dr. Mohammed Mustafa G. Later, Sri S Murali addressed the graduands regarding Pharmaceutical industries turnover in India, growth of clinical and non-clinical trials, key research and key performance area. It was followed by Dr. S Sacchidanand's speech on importance of pharmacists in health care system, importance of pharmacy in India and across the globe, and stressed on the importance of entrepreneurship. Graduation Day was dissolved by Sri. TK Nanjundappa.

The convocation ceremony was concluded with National Anthem and Photo session with dignitaries. A high lunch was provided to all the guests, faculty, students and their parents. The Graduation Day Ceremony was ended in the hope that these academically bright graduands will make their mark in the world. The event was coordinated by Mr. Ravinandan A P, Dr. K P Hemalatha, Dr. Mohammed



WARMEST CONGRATULATIONS ON YOUR ACHIEVEMENT!  
WISHING YOU EVEN MORE SUCCESS IN THE FUTURE.

**PRINCIPAL**



**Dr Inayath Ulla**



**Oxbridge College of  
pharmacy, Bangalore**

# QUIZ

1. Rhabdomyolysis and myopathies are notable side effects of which drug class?

- Alpha-blockers
- 5-alpha reductase inhibitors
- Statins
- Loop diuretics

2. Pyridoxine deficiency is a side effect of which of these drugs?

- Clofazimine
- Isoniazid
- Dapsone
- Streptomycin

3. Which of these drugs causes blue-gray skin discoloration?

- Amiodarone
- Levothyroxine
- Digoxin
- Chloroquine

4. "Red man syndrome" is an adverse effect of:

- Chloramphenicol
- Phenytoin
- Vancomycin
- Lithium

5. \_\_\_\_\_-induced thrombocytopenia.

- Panitumumab
- Amphotericin B
- Rifampin
- Heparin

6. All these drugs are known to cause hyperkalemia, except?

- Trimethoprim
- Lisinopril
- Spironolactone
- Albuterol



Prize Money is Sponsored by  
**Group Pharmaceuticals Ltd**  
healthy smiles matter



## RULES

- Correct answers will be rewarded 2 point each (20 marks)
- Answer of the quiz will be evaluated by panel of judges and their decision is final. (Max mark:20)
- Those who get the highest marks, their photo will be published in our next bulletin and also a cash prize of Rs.500/- will be rewarded to them
- The answer must be sent within 25<sup>th</sup> Feb 2023 to this E Mail ID- [krpaindia@gmail.com](mailto:krpaindia@gmail.com)
- A confirmation mail will be sent to you on receiving your e-mail.

7. Vivid dreams and nightmares are notable side effects of which of the following drug classes?

- Alpha-blockers
- Alpha-2 agonists
- Beta-2 agonists
- Beta-blockers

8. At high doses, \_\_\_\_\_ is known to cause tinnitus.

- Aspirin
- Ibuprofen
- Diclofenac
- Mefenamic acid

9. Hair loss, with subsequent re-growth of curlier hair, is a known side effect of which of these anticonvulsant medicines?

- Valproate
- Phenytoin
- Carbamazepine
- Ethosuximide

10. Gingival hyperplasia, constipation, and ankle swelling are side effects of which of these drug classes?

- Fibrates
- Calcium channel blockers
- Bisphosphonates
- SERMs

*Congratulations*

*to the winner of Thirty Four Edition*

KRPA Quiz Competition

**Mahalakshmi L**  
Vivekananda college of pharmacy,  
Bangalore



# Geneaid

PHARMACEUTICALS

Passion for health care...



## ROSUAID<sup>®</sup> Gold

Rosuvastatin Calcium 10 mg +  
Clopidogrel 75 mg + Aspirin 75 mg

## ROSUAID<sup>®</sup>-F10

Rosuvastatin 10 mg and Fenofibrate 160 mg Tablets

## ROSUAID<sup>®</sup> A75

Rosuvastatin 10 mg + Aspirin 75 mg Capsules

## ROSUAID<sup>®</sup>

Rosuvastatin 5 / 10 / 20 mg 5 / 10 / 20

## METOAID<sup>®</sup> XL $\frac{25}{50}$

Metoprolol Tartrate 25/50 ER Tablets

## Cliaid<sup>®</sup>-10

Cilnidipine 10 mg Tablets

## CLIAID<sup>®</sup>-TRIO

Cilnidipine 10 mg + Telmisartan 40 mg  
& Chlorthalidone 6.25 mg Tablet

## Cliaid<sup>®</sup>-T

Cilnidipine 10 mg + Telmisartan 40 mg Tablets

## VOGLIAID<sup>®</sup> GM2 / 0.3

Voglibose 0.3 mg + Glimperide 2 mg +  
+ Metformin 500 mg SR Tablet

## VOGLIAID<sup>®</sup> GM1 GM2

Glimperide 1 mg / 2 mg + Voglibose 0.2 mg +  
Metformin 500 mg Tablet

₹. 6.90/-  
per Tablets

₹. 7.90/-  
per Tablets

## VOGLIAID<sup>®</sup> M0.2 M0.3

Voglibose 0.2 / 0.3 + Metformin 500 mg SR Tablet

## TELAID<sup>®</sup>-20/40/80

Telmisartan 20 mg / 40 mg / 80 mg

## TELAID<sup>®</sup>-CT

Telmisartan 40 mg +  
Chlorthalidone 12.5 mg Tablets

## TELAID<sup>®</sup>-H / H80

Telmisartan 40 mg / 80 mg +  
Hydrochlorothiazide 12.5 mg Tablets

## TELAID<sup>®</sup>-AM

Telmisartan 40 mg +  
Amlodipine 5 mg Tablets

## TELAID<sup>®</sup>-AMH

Telmisartan 40 mg + Hydrochlorothiazide 12.5 mg  
+ Amlodipine 5 mg Tablets

## TELAID<sup>®</sup>-M 50

Telmisartan 40 mg +  
Metoprolol XL 50 mg Tablets

## VOGLIAID<sup>®</sup> 0.2 0.3

Voglibose 0.2 & 0.3 Tablet

## Glitaid<sup>®</sup>-20/M

Teneligliptin 20 mg Tablet

Teneligliptin 20 mg + Metformin SR 500 mg Tablet

## Vildaid<sup>®</sup>-50

Vildagliptin 50 mg Tablets

## Vildaid<sup>®</sup>-M

Vildagliptin 50 mg + Metformin 500 mg Hcl

## Dapaid<sup>®</sup>-10

Dapagliflozin 10 mg Tablets

## Dapaid<sup>®</sup>-M

Dapagliflozin 10 mg +  
Metformin Hydrochloride 500 mg (SR) Tablets

## Geneglim<sup>®</sup> M1 M2

Glimperide 1 mg / 2 mg + Metformin 500 mg SR Tablet

## Geneglim<sup>®</sup> M1 Forte M2 Forte

Glimperide 1 mg / 2 mg + Metformin 1000 mg SR Tablet

## Geneglim<sup>®</sup>-MP1 MP2

Glimperide 1 mg / 2 mg + Metformin 500 mg  
+ Pioglitazone 15 mg Tablet

### DIABETIC PORTFOLIO





# INSPIRATIONAL PHARMACIST DR. MURALI DIVI

Dr. Murali Divi, an ambitious, humorous go-getter, is the Executive Chairman of the Board, and Managing Director of Divi's Laboratories Limited. He holds a postgraduate degree in pharmaceutical sciences from Kakatiya University, Telangana. With over 30 years of experience internationally in the pharmaceutical field, Dr. Murali has raised the bar of knowledge and understanding. After completing his doctorate, he seized the opportunity to work in various US research companies for several years. He worked as a scientist at major niche organic and customized pharmaceutical companies, initially as a plant manager followed by, vice president of the Research and development department at Fike Chemicals, and afterward as specialized chief at Schuylkill Corporation. He returned to his homeland at Andhra Pradesh in 1984 and joined as the director of the newly established Dr. Reddys Laboratories. Dr. Reddy had acquired a distressed company called Cheminor, a contract manufacturing company. Murali Divi took the lead and became the MD of Cheminor and eventually made it a big turnaround. Murali Divi has excellent leadership skills and a strong connection with the workers which deems him an approachable and amiable person to work with.

When he resigned from Cheminor, 125 employees resigned too on the same day which shows his impact on the business. He then went on to establish his own company, Divi's Laboratories in 1990. After five years of operations, he had built a 75-acre manufacturing facility in Hyderabad and thus began the exponential growth journey of one of India's leading API manufacturing companies. The company has a market capitalization of over Rs 1.19 lakh crore. He co-advanced two organizations, Cheminor Drugs, and affiliate Globe Organics in Hyderabad.

His green panther perspective ushered him to pilot new greener technologies, which employed enzymes as catalysts instead of chemicals and designed an efficient Naproxen production method. Today, Divis Laboratories is one of Naproxen's world's major producers. He positions 538 on the world's most extravagant individuals list. His tale is about evolving from challenges, persistence, and expanding on his dreams.

Mr. Divi has worked tirelessly on various CSR initiatives over the past ten years, making a difference in the lives of thousands of Andhra Pradesh and Telangana residents who belong to the less advantaged groups in society. Mr. Divi is dedicated to bringing about real change, and he keeps working on a variety of projects to do this. He believes that education is central to a nation's growth and emphasis must be given in this direction and hence can help in cultivating self-reliance and resilience in the youth. Regarding the project for child empowerment, he is aiding hundreds of government schools in Telangana and Andhra Pradesh in upgrading their facilities and creating a climate that is conducive to learning and child development on a social level. Initiatives such as the supply of desk benches, notebooks, school

bags, shoes, and socks, providing RO water facility at schools, provision for student scholarships, development of a playground at Government Degree College, Bheemunipatnam, and the development of Gurukula Patasala at Choutuppall cannot go unmerited for.

On a mission to provide safe and clean drinking water, since 2014, Mr. Divi has installed adequate safe water stations in Telangana and Andhra Pradesh, thereby providing safe drinking water to lakhs of people.

Planting saplings and promoting ecological balance to increase green cover is his most practiced custom. He assures that nurturing nature into a sustainable future is in power with planting a better tomorrow. The impact of such plantation drives has improved the oxygen cover for the local population in the villages.

Serving the differently abled is one such endeavor that is closely related to his heart and soul, as is providing the poor with all the necessities, and making the world a better place for them to live, and pursue their dreams for the future.

Dr. Divi continues to encourage and empower women with varied livelihood generation programs. Through training and establishment of small-scale industries with the necessary equipment for self-employment, he has supported over 1000 women from economically weaker sections of society. He has also developed a Skill Enhancement facility at Chippada Village to help women succeed in their chosen fields.

He believes that doing business in a sustainable and responsible manner is integral to our future viability. He has led R&D teams and developed efficient processes for specialty chemicals, pharmaceutical intermediates, herbicides and rodenticides, and custom synthesis. He rues the excess use of chemicals by farmers today, and the heavy pollution that is seeping into agro-ecological systems. This seems to have influenced the way he runs his company, which adheres to green manufacturing technology and waste-treatment practices. He exudes contentment rather than paranoid competitiveness. When asked by Forbes India if Divis is seeking clients in the biotech sector, which is expected to be the next significant area of growth for the pharmaceutical industry, he replies that he is exploring the idea but isn't in a rush because pure organic chemistry still has a lot of room for expansion.

"There are still enough opportunities here; we don't have to walk away and go somewhere else. The grass on our side is also very green. We don't want to forget that. If somebody is enjoying the other side, let them enjoy it," Murali Divi says with a chuckle. "Live and let live. Don't destroy and get destroyed by being over-greedy."

**Eileen Susa Reji**  
5th Pharm.D,  
JSS College of Pharmacy





Advertise  
**HERE**

**PROMOTE  
AND BOOSTUP  
YOUR BUSINESS  
HERE**

# DISCLAIMER

The Newsletter intends to provide updated and reliable information on medicines and other related issues in an attempt to equip healthcare professionals to take informed decision in recommending medicines to the patients. However, they are encouraged to validate the contents. Neither the people associated with the publication of the Newsletter nor the organization shall be liable for any damage incurred as a result of use of the contents of this publication. The brand names of medicines, if mentioned, are for illustration only and the newsletter does not endorse them.

Send your Articles, Suggestions, or Comments to  
**krpaindia@gmail.com**  
for the overall improvement of  
KRPA Monthly Bulletin

**For Business Advertisements**  
Contact

**Kaushik Devaraju**  
+ 91 97383 66942

**Sanjeev Kumar B N**  
+91 87478 44080

Are you a pharmacist yearning to EXPAND your network and explore the world of pharmacy? It's just one click away.

Scan QR Code to become a member of KRPA and enjoy the benefits.

