



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

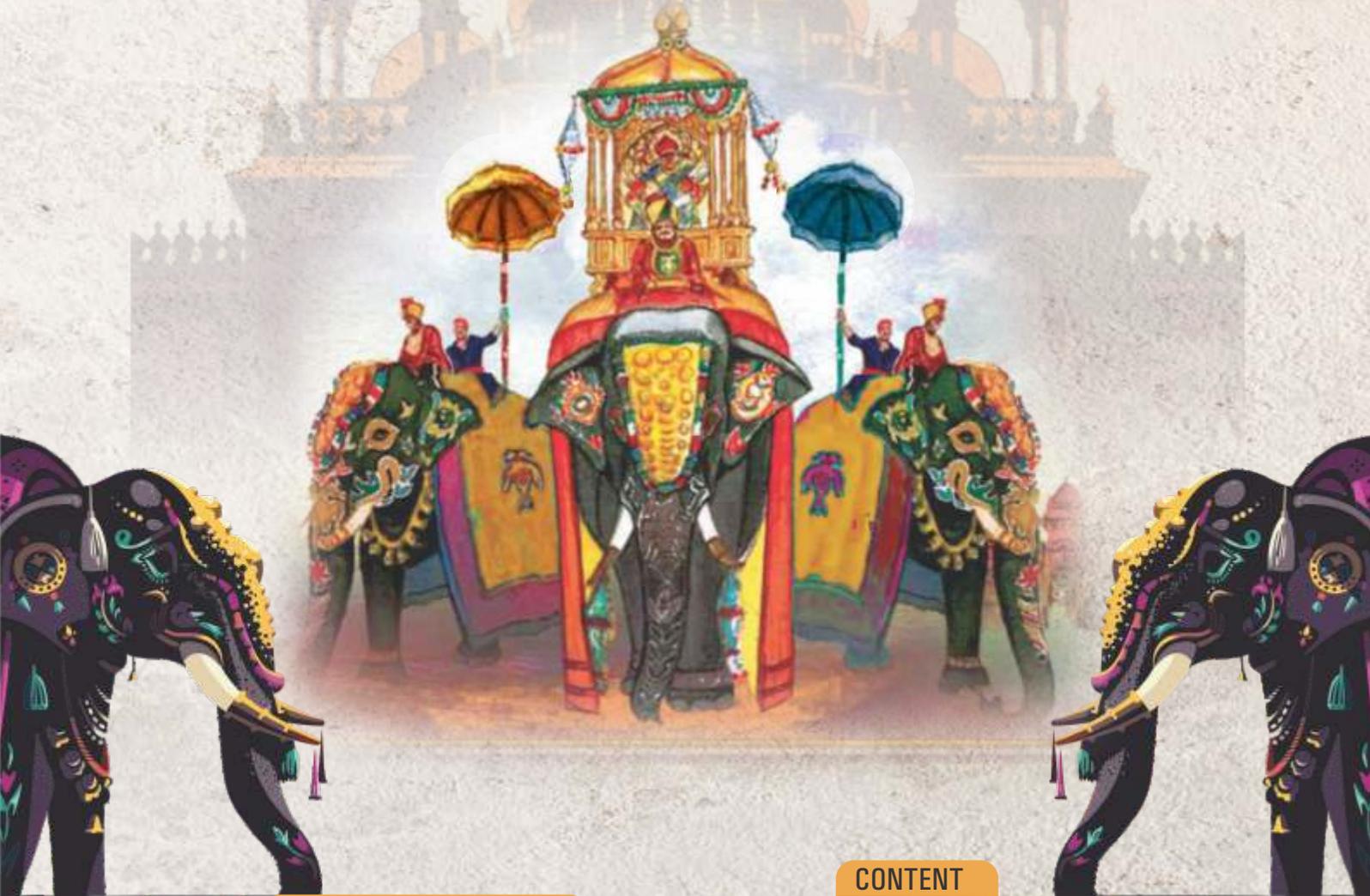
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 *Mysuru  
Dasara*

# ದಸರಾ

## ಹಬ್ಬದ ಶುಭಾಶಯಗಳು



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### EDITORIAL TEAM

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Dr. Ravina Ravi	Ms. Shifa Taj	Mr. Santhosh Raj R K

*Jo Dikta Gain  
Wahi Bikta Hain*

**THAT WHICH IS  
SEEN GETS SOLD!**



## THE PHARMACIST & IMPORTANCE OF PUBLIC CAMPAIGNS

One may wonder why such a marketing statement is presented in a professional bulletin such as the KRPA monthly bulletin. Well, there is great relevance! The import of the above 'marketing statement' is that one needs to have outreach programs to ensure the relevance and activities of any professional and profession. This gives the profession an aspirational value and the profession gets appreciated in society. If such outreach programs and morale-building activities are not done, the profession may not get its due. Thus, if a person is ensconced in an ivory tower, his or her activities have muted impact, and many times the public does not get to know the true value of the professional offerings.

Come rain, come shine, and even if the political situation is under turmoil, one important professional is always providing health services: yes the PHARMACIST. It is this healthcare professional – the PHARMACIST – who is the most accessible healthcare professional for the public, as per surveys. The pharmacist not only guides but also informs and empowers the patient or healthcare consumer. The pharmacist is trusted for medicines and healthcare products that he or she dispenses, the pharmacist is also a reliable health information provider, and counseling is his/her forte. The all-weather anytime available pharmacist is the foundation of a good healthcare system.

In far-flung areas, where doctor access is limited, the pharmacist is ever ready to support the patient; the retail pharmacy is always open, and

many pharmacies open their hearts and doors 24/7. The silent empowering and slogging community pharmacist is the toast of our society.

The wholesaler or distributor pharmacist and community pharmacist strain every sinew to ensure the right medicine is available to the nook and corner of our society – thus, providing easy medicine access to patients. When the ill, infirm and elderly patients want their medicines, the pharmacist is ready to deliver to their doorstep, with a smile, come rain or shine!

When the Covid-19 pandemic and lockdown struck, when all people were stuck indoors, the pharmacist braved aerosols of viral particles, alas, some became Covid-19 martyrs, yet the pharmacist held his head high and provided services across India 24/7. The pharmacist is the knight in shining armour to many a stricken patient providing medicines to save lives and relieve ailments.

When the retail and wholesale pharmacists were slogging out in the vale, dale and plains, it was the lab pharmacists who were concocting solutions to help diagnose, prevent, treat and help Covid-19 patients recover. When the pandemic caused industrial slack, the pharma industry kept its production machines running in full – chronic disease patients like diabetics never felt any medicine shortage.

Regulatory pharmacy professionals in the Govt. machinery opened 24/7 coordination centres to ensure availability of remdesivir, medical oxygen, steroids, amphotericin and many other medications for the succor of Covid-19 sufferers. The mask-wearing pharmacists engaged in educating the public on the perils of the Covid-19 pandemic, thus not causing a scare, giving hope - yet ensuring caution is not thrown to the air. Take a bow dear pharmacist, you have arisen to the occasion yet once again, and you will keep doing so, cheers to you pharmacists - and those who are Covid-19 pharmacist martyrs, farewell - you have the spot in paradise, fear not, we the pharmacists are united, we are lobbying for the well-being of every martyr pharmacist family - KSPC has provided timely support through the welfare trust. Many a pharma company like Mankind Pharma has arisen to the need of the hour and provided support to the Covid-19 martyr pharmacist community. We doff our hats off to such organizations and people who are ever with the pharmacists.



World Pharmacist Day on 25.9.2021 has been a golden opportunity to showcase the life-enabling services of the pharmacist. The World Pharmacist Day this year 2021 has been celebrated on the theme 'Pharmacy: Always trusted for your health'. We are aware Health is Wealth, and often we understand the importance of health only when our health gets affected! However, the friendly neighbourhood pharmacist is always there - in fact, the most accessible healthcare professional as per various studies to provide healthcare products, counsel and services. The pharmacist has a pivotal role to play in the healthcare firmament. While the community pharmacist is a most visible pharmacist who is ever ready to dispense medicines accurately, the community pharmacist also gives good health advice and guidance to patients and patient attenders.

There are other healthcare roles of pharmacists: in research and development of new drugs, preclinical studies, in-silico research, clinical trials, manufacturing of quality medicines, production of excipients, herbal extracts, intermediates, APIs; ensuring quality-oriented activities; regulatory role and also marketing of these healthcare products in a value-added ethical manner.

The entire society lauds 14 lakh retail pharmacists across India, on the occasion of WORLD PHARMACIST DAY 2021. They have risen to the nation's requirement of dispensing life-saving medicines during the pandemic times despite the fact that many pharmacists got exposed to Covid-19 in the line of service and suffered.

Today, the Indian pharmaceutical industry is a net exporter of medicines, pre-Independence day we were importers; India produces 60% of the world's vaccines, and one in five generics sold across the world are produced from India. One in three vaccines administered by WHO in its programs is Indian manufactured vaccines. And approx. 92% of the world's anti HIV medicines are produced by the Indian pharma sector. Pharmacy has a bright future.

25th September is selected for World Pharmacist Day celebrations as the FIP or International Pharmaceutical Federation, an organization representing pharmacy, pharmaceutical sciences and pharmaceutical education was founded on this date in 1912. The global HQ of FIP, a non-profit is at The Hague, Netherlands.

The fundamental aspect of health service is trust. The pharmacist is surely the most accessible, patient-friendly and trusted or reliable partner in health delivery. This point is emphasized in the theme of World Pharmacist Day 2021: 'Pharmacy: Always trusted for your health'.

The next available big window of public campaign opportunity to showcase the noble and exciting profession of pharmacy is National Pharmacy Week, celebrated in the third week of November every year; plan something big and special. Every pharmacist's heart beats for the health of this nation and the world!

**EVER CHEER TO PHARMACISTS!**  
**JAI KRPA!!**

**Mr. Sunil S Chiplunkar**  
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VP - Business Development,  
Group Pharmaceuticals, Bangalore,  
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# ಇದೇ ನನ್ನ ಪ್ರಾರ್ಥನೆ

ಇಚ್ಛೆ ವಿಶ್ವ ಔಷಧಿಕಾರರ ದಿನ  
ಪ್ರತಿಯೊಂದಿ ಔಷಧಿಕಾರನಿಗೆ ತಲೆ ತಲಿಸಿ ನಮಿಸುತ್ತಿದೆ ನನ್ನ ಮನ

ಪ್ರಾಚೀನ ಕಾಲದಲ್ಲ ಋಷಿಮುನಿಗಳೇ ನಮ್ಮ ಔಷಧಿಕಾರರು  
ಇಂದಿನ ಕಾಲದಲ್ಲ ನೀವೇ ನಮ್ಮ ಜೀವನ ಉಳಿಸುವವರು

ಅಂದು ಹನುಮನು ತಂದ ಸಂಜೀವಿನಿ ಬುತ್ತಿ ದ್ರೋಣರಿಗೆ ಪರ್ವತದಿಂದ  
ಉಳಿಸಲು ಪ್ರಾಣ ತನ್ನ ದೇವರು ರಾಮನ ತಮ್ಮ ಲಕ್ಷ್ಮಣನನ್ನು  
ರಾವಣ ಕೊಲ್ಲ ಗಾಯದಿಂದ

ಇಂದು ನೀವು ವಿಜ್ಞಾನಿಗಳೊಂದಿಗೆ ಕೂಡಿ ಸಂಶೋಧಿಸುತ್ತಿರುವಿರಿ ಹೊಸತು ಹೊಸತು ಔಷಧ  
ಗುಣ ಹೊಂದಲು ನಮ್ಮ ಶರೀರ ಕೋರೋನ ವಿಕೋಪದಿಂದ

ನೀವಿರುತ್ತಿರದಿದ್ದರೆ ಏನಾಗುತ್ತಿತ್ತೋ ನಮ್ಮ ಸ್ಥಿತಿ  
ಹಗಲಾಗಲ ಇರುಳಾಗಲ ನೀವಿರುವಿರಿ ನಮ್ಮ ಪ್ರತಿ

ನಿಮ್ಮಲ್ಲಿ ನಾವು ಇಡುವೆವು ದೇವರಷ್ಟೇ ವಿಶ್ವಾಸ  
ನೀವು ಹೆಣಗಾಡುತ್ತಿರುವಿರಿ ಔಷಧಿ ಮಾಡಲು  
ಹೊಸತು ರೋಗ ತಡೆಯಲು ಬಡದೆ ಹರ ತನ್ನ ಕೊನೆಯ ಶ್ವಾಸ

ಜಿಕ್ಕಪುಟ್ಟ ರೋಗಗಳಿಗೆ ನಿಮ್ಮಲ್ಲಿ ಬರುತ್ತೇವೆ ಓಡೋಡಿ  
ನಿಮ್ಮ ಪ್ರತಿ ನಮ್ಮ ಪ್ರೀತಿ, ಸನ್ಮಾನ ಹೆಚ್ಚಾಗಲ

ನಮ್ಮನ್ನು ಕಾಪಾಡಲು ಯಮನನ್ನೇ ಗೆದ್ದು ಹೋರಾಡುವ ಭಲ  
ನಿಮ್ಮದಾಗಿರಲ ಇಂದಿನ ದಿನ ಇದೇ ನನ್ನ ಪ್ರಾರ್ಥನೆಯು  
ಇಡೀ ಜಗತ್ತಿನಲ್ಲ ವೈದ್ಯಲಿಂಗತ ಹೆಚ್ಚಿನ ಗೌರವವನ್ನು ನೀವು ಪಡೆಯುತ್ತೀರಿ



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# SAFETY CONCERNS OF SELF MEDICATION DRUGS

Self-medication (SM) is defined as using drugs to self-treat a common health problem without a physician's advice. The World Health Organization recommends self-care and responsible SM. SM may have some benefits if the usage is appropriate, such as empowering individuals to take care of themselves, be responsible for their health and further reducing healthcare costs; however, responsible SM does not always suggest an absence of risk. Several studies on over-the-counter (OTC) medication use reported adverse health reactions and fatalities associated with them. SM carries a risk if individual medicine use is inappropriate. The risks of SM lies in incorrect self-diagnosis, delay in seeking medical advice, prolonged drug-use duration, use of excessive dosages, drug interactions, polypharmacy and drug abuse.

Unlike other countries, India has no legal recognition of "OTC". Rather than being a recognized official category of medicines, the term OTC is used for the drugs that are used as self-medication without prescription or medication that are approved to be sold by Registered Pharmacists. According to Schedule K of the Drug and Cosmetics Act and its Rules, the potential OTC drugs are household remedies such as paracetamol, liquid paraffin, tincture iodine, eucalyptus oil, and various formulations for the treatment of cough and cold. Currently, nondrug-licensed stores (e.g., no pharmacists) can sell a few medicines classified as "Household Remedies" in Schedule K of the drug and cosmetic rules in villages whose population is below 1000 subject to certain other conditions.

The concerns related to the misuse, adverse effects, including dependence (especially to sedatives, analgesics, antacids and laxatives), drug resistance and delayed diagnosis of underlying conditions due to the use of OTC medicines for symptomatic relief pose formidable challenges. Since the doctor's prescription is not required, the term OTC gives a false sense of safety to the patients. There are no proper documented studies regarding awareness about nonprescription drugs in India and no regulatory act for OTC medicines, but even in the western world, there is inadequate awareness among the masses about the optimum use of OTC medications.

However, increasing the availability of nonprescription medicines may encourage patients to believe that there is a drug treatment for every ailment. Furthermore, the use of such products may delay/mask the diagnosis of serious illness, with increased risks of interactions and adverse reactions and of self-treatment being undertaken when medical aid should have been sought. Potential abuse and misuse of such products can also occur. The challenge in controlling the problem of OTC abuse and misuse is to achieve a necessarily high level of consumer safety while not restricting access to OTC products for those who continue to use them safely. It is recommended that by monitoring the usage of certain OTC products, safe and effective use of such medicines can be promoted, in addition to data recording and education. The transfer of prescription medicines to nonprescription or OTC progress is known as the "Rx-to-OTC switch". Most of the new medicines are first introduced as prescription medicines,



then after a sufficient time of using the medicine by many patients, large-scale experience and scientific information have been gathered; for suitable conditions, a manufacturer can submit an application to the appropriate authority for the medicine to be given OTC status.

## Individual-level

Inappropriate self-diagnosis, failure to seek appropriate medical advice, improper choice of therapy, failure to recognize special pharmacological risks like rare but severe adverse reactions, failure to recognize that the same active ingredient has been taken under a different name, failure to recognize contraindications, interactions, warnings and precautions, failure to recognize or report adverse drug reactions, failure to report current self-medication to the prescribing physician, improper route of administration, inappropriate dosage, excessively prolonged use, risk of dependence and abuse, food and drug interaction, storage in improper conditions or beyond the recommended shelf life are few factors which may lead to the individual level of self-medication associated adverse reactions.

Self-medication is an alarming sign. It can be less harmful when people administering such drugs know their dose, time of intake. It would be safe if the people who are using it have sufficient knowledge about its dose, time of intake, effects of an overdose. But, lack of information can cause serious effects such as antibiotic resistance, hypersensitivity and allergy. Hence, in India, like a developing country, where we have poor economic, education status as well as poor healthcare facilities, people have less knowledge regarding risks associated with self-medication. We are on the edge of the sword, whether to promote or impede self-medication. Hence a holistic approach should be taken to prevent this problem, which includes proper awareness and education regarding self-medication and strictness regarding pharmaceutical advertising. Dispensing procedures are to be improved through proper education by health care professionals, strict regulatory and managerial methods to make health care easily accessible and cost-effective. Improved knowledge and understanding of self-medication may result in rationale use and thus limit emerging microbial resistance issues.

S. No	Drug	Serious side effects
1.	Acetaminophen	Stevens-Johnson syndrome (SJS), Toxic epidermal necrolysis (TEN), Pneumonitis, Liver failure
2.	Dextromethorphan	Serotonin syndrome, Toxic psychosis, Respiratory depression
3.	Loperamide	Paralytic ileus, Cardiac dysrhythmias, TEN, SJS
4.	Phenylephrine	Angina pectoris, Necrosis of skin, visceral vasoconstriction, Pulmonary edema
5.	Nimesulide	Oligohydramnios, Liver toxicity, Acute renal failure
6.	<i>Aceclofenac</i>	Leukocytoclastic vasculitis, SJS, Granulocytopenia.
7.	<i>Diclofenac</i>	Congestive heart failure, SJS, TEN, Cerebrovascular accident
8.	Chlorpheniramine maleate	Ventricular dysrhythmias, Rhabdomyolysis, Psychosis
9.	Tizanidine hydrochloride	Hepatotoxicity, Heart failure, Gastrointestinal hemorrhage
10.	Omeprazole	Cutaneous lupus erythematosus, Atrophic gastritis, Rhabdomyolysis, Tubulointerstitial nephritis
11.	Pantoprazole	Cutaneous lupus erythematosus, Atrophic gastritis, SJS, TEN, Rhabdomyolysis
12.	Domperidone	Prolonged QT interval, Sudden cardiac death, Ventricular arrhythmia, Extrapyramidal reactions
13.	Cetirizine hydrochloride	Oculogyric crisis, severe hypotension Glomerulonephritis, Severe acute hepatitis
14.	Ranitidine	Aplastic anemia, Pancytopenia, Cholestatic hepatitis, liver failure
15.	Cefodoxil	Clostridium difficile diarrhea, Erythema multiforme, Thrombocytopenia, liver failure

S. No	Drug	Serious side effects
16.	Levofloxacin	Erythema multiforme, SJS, Myasthenia gravis, Tubulointerstitial nephritis, Hepatitis, liver failure
17.	Diphenhydramine	Anaphylaxis, Ventricular dysrhythmias, Severe hypotension
18.	Pseudoephedrine	Atrial fibrillation, Myocardial infarction, Ventricular premature beats
19.	Oxymetazoline HCl	Cardiac dysrhythmia, Hypertension, Tachyarrhythmia
20.	Doxycyclin	Hepatotoxicity, Esophagitis Clostridium difficile diarrhea
21.	Amoxicillin	Clostridium difficile diarrhea, Severe hypersensitivity reactions, Anemia
22.	Ketoconazole	Cardiac dysrhythmia, Prolonged QT interval, Ventricular arrhythmia Hepatotoxicity
23.	Clindamycin	Hemorrhagic diarrhea, Angioedema Drug reaction with eosinophilia and systemic symptoms (DRESS)
24.	Aluminum Hydroxide/Magnesium Hydroxide/Simethicone	Hypermagnesemia, Hypophosphatemia Gastrointestinal obstruction Neurologic: Encephalopathy
25.	Ibuprofen	Congestive heart failure, Hepatotoxicity, Fulminant hepatitis, Hepatic necrosis
26.	Aspirin	Gastrointestinal ulcer, Hemorrhage Exudative age-related macular degeneration, Reye's syndrome
27.	Ondansetron	Electrocardiogram abnormal, Prolonged QT interval, Serotonin syndrome
28.	Famotidine	Asthenia Interstitial pneumonia, seizures
29.	Pyridoxine	Unstable gait, Loss of appetite, Stomach Pain
30.	Albendazole	Aplastic anaemia, Hepatitis, Convulsions



Dr. A Pramod Kumar  
Drug Safety Associate

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# MEDSBIN



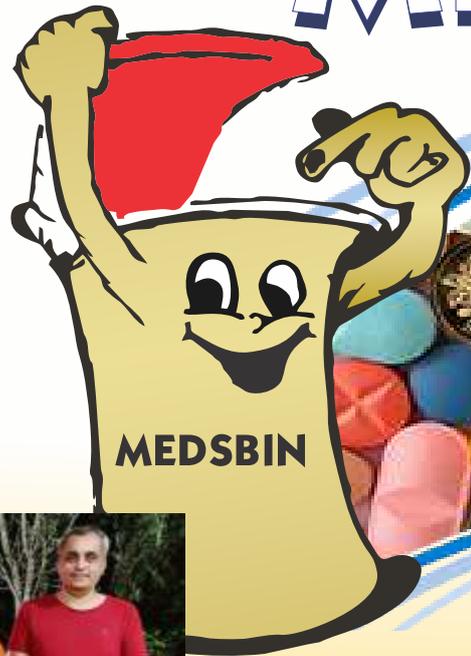
MEDSBIN was Inaugurated & Installed at Al-Ameen College of Pharmacy, Bengaluru by the Karnataka Registered Pharmacists Association (KRPA), Mysuru in support with NSS of AACCP.

As we know that there is a lack of knowledge among the public on how to dispose of expired, unwanted and unused medications. It is found in several studies that expired medications, were either flushed down the sink, drain or toilet or thrown into the trash or garbage. There are major concerns to this issue. Like, if the drugs are carelessly stored or disposed of, there is a likelihood of another person obtaining and consuming them leading to serious consequences and health threats. Few agencies reported that overdose and poisoning deaths accounted for more than 30 percent of accidental ingestion of prescription or over-the-counter medications that led to child fatality. It is found that around 77% of the public dispose their medications in the garbage & 12% returns the medications to government health centers/ Pharmacies/ agencies.

MEDSBIN at Al-Ameen will give a platform for the collection of such unused/expired medicines and helps in its safe disposal.

The Occasion was graced by Dr. Subhan Shariff, Hon. Secretary, Al-Ameen Educational Society, EC Members, Dr. Yusuf Aslam, Mr. Syed Ahmed & Maulana Khaleelur Rahman. Thanks to Dr. Kaushik Devaraju, President-KRPA for his support & Help & Mr. Sunil S Chiplunkar, Vice-President- Group Pharmaceuticals for his presence and delivering a motivational talk to our final year students.





Jai Sri Gurudev  
**ACU-Sri Adichunchanagiri College of Pharmacy**

Department of Pharmacy Practice, SACCP, ACU in association with Karnataka Registered Pharmacists Association (KRPA), Mysuru & Indian Pharmacopoeia Commission (IPC) has organised National Pharmacovigilance Week 2021 Celebrations from 17th September to 23rd September 2021.

As a part of the Second Day Celebration, a formal inaugural ceremony was held on 18th September 2021 at SACCP.

GUEST OF HONOURS:

**Mr. Sunil S Chiplunkar**

Vice President, Business Development, Group Pharmaceuticals, Bangalore, Advisory Member - KRPA

**Dr. Kaushik Devaraju**

CEO, Veenaraj Technologies Pvt Ltd  
President, Karnataka Registered Pharmacists Association  
Junior scientific Advisor, Satva Health Solution Private Limited.

The Programme started with Welcome Prayer.

**Dr. Rajesh Venkataraman**,

Professor and head, Department of Pharmacy Practice SACCP welcomed the dignitaries of the day.

The guests were honoured by

**Dr. B Ramesh**, The Principal, SACCP, ACU.

**Dr. Kaushik Devaraju** addressed the event by delivering a talk on the "General Introduction on **MEDSBIN**".

Followed by the address, there was the official launching of MEDSBIN and formal inauguration of ADR Monitoring Centre (AMC) & Medical Device Adverse Event Monitoring Centre (MDMC) in SACCP.

**Mr. Sunil S Chiplunkar**, gave an inspirational talk on the "**Success Mantras for Pharmaceutical Sector**" and also discussed about the various Career Opportunities for Pharmacy Students.

**Ms. Reetha**, 5th Pharm D delivered the Vote of Thanks and anchored the event. Nearly **355 students** and other faculties attended the Program.

# PHARMA TREK 2021

On Occasion of World Pharmacist day Celebrations



## VACCINATE, STAY HEALTHY, BEAT COVID-19

Yes! it is time to beat the blues by celebrating World Pharmacist Day together.

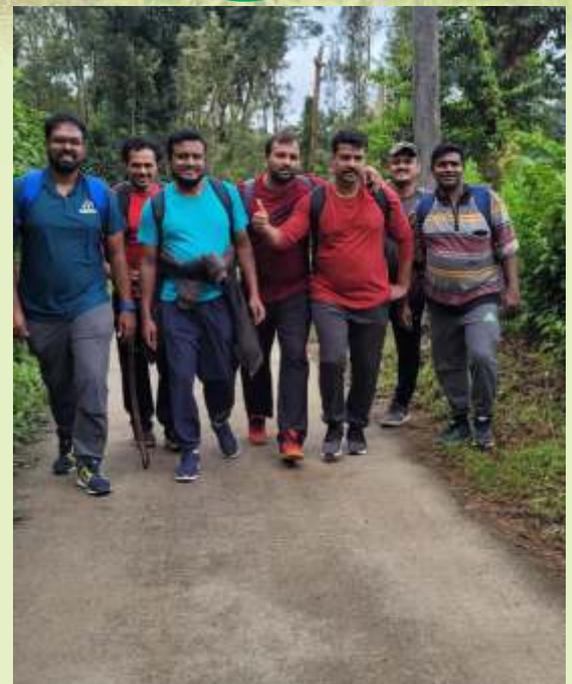
Annually, World Pharmacist Day is celebrated on 25/9, this year KRPA organised a PHARMA TREK 2021 on 26th September 2021 (Sunday).

Pharma Trek 2021 was open only to pharmacists (including students) along with their immediate family members.

The trek route was from Kotte Betta Somwarpet

Pharma special recognition was awarded to the pharmacist who identified maximum medicinal plants and explained a point or two about them. All participants who complete the Pharma Trek 2021 will get an e-certificate.

Pharma Trek 2021 was not a competition, but a joyous nature walk in pharma unison with the **THEME: VACCINATE, STAY HEALTHY, and BEAT COVID-19.**



On the occasion of World Pharmacists Day, on 26th September 2021, KRPA had organised Pharma trek to Kotte Betta, Somwarpet. Total 37 practicing and budding pharmacists had participated. We were lucky to see Neelakurinji flower which will bloom once in 12 years.





# WORLD PHARMACIST DAY

The Indian Pharmaceutical Association (IPA) of Mysuru branch has celebrated World Pharmacists Day with "Pharmacy: Always trusted for your health" as the theme at Sarada Vilas College of Pharmacy, K M Puram, Mysuru on 25th September 2021. The function was held at 11.00 am. Dr. Hanumanthachar Joshi, Principal, Sarada Vilas College of Pharmacy, Mysuru formally welcomed the dignitaries and guests.

The Chief Guest Dr. G Hemanth Kumar, Vice Chancellor, University of Mysore, Mysuru inaugurated the function. During his speech, he appreciated the Pharmacists who have played the role of essential workers by providing medicines to improve the condition of patients suffering from any kind of disease or discomfort. They have also played the role of medicine provider but also prescriber in dire situations. Pharmacists have played diverse roles of providing lifesaving medicines in times of need, giving correct information about the consumption of medicine, identifying any adverse effects that medicines may cause, providing medical help in times of need making it essential to highlight the role that they play in the healthcare sector through a day to celebrate their profession.



Dr. K R Dakshaayini, Principal, Mysore Medical College and Research Institute, Mysuru, spoke about the growing concerns over the efficacy of medicines amidst the pandemic. She also emphasizes to establish the trust that people need to have in healthcare providers at any given point of time, especially becoming important in the times of pandemic.

Dr. K H Prasad, District Health Officer, Mysuru during his speech told that as health professionals, pharmacists have a great responsibility to care about the health of the people. And also, it is very essential to get a wonderful knowledge about the health. Pharmacists can use this knowledge to help an individual in need in different fields of pharmacy.

Sri N Chandrashekar, Honorary Secretary, Sarada Vilas Educational Institutions, Mysuru shared his views on the world pharmacist day. The guests of honor, Dr. TM Pramod Kumar, Principal, JSS College of Pharmacy & President, IPA Mysuru Branch spoke about the importance of Pharmacy.



The felicitation was done for Dr. Prathibha Pereira, Professor, Department of Medicine, JSS Medical College, Mysore, Dr. G Roopa, Corporater, Mysuru City Corporation, Mysuru and Ms. Amaravathi M B, Incharge nurse in female medical ward on the event of world pharmacist day who worked during Covid pandemic disease.

The felicitation was also done for Jeevan S, Manager, Public Relations, JSS Hospital, Mysuru, Manjunath A R, Facility Director, ClearMedi Radiant, Mysuru, Sagar SP, Senior Operations Executive and Pavan Kumar MM, Respiratory Therapist of Suyog Hospital, Mysuru for their role during Covid 19.

The various events like Slogan, Essay and Elocution competition was conducted globally through online mode on the occasion of World Pharmacists Day and Dr. Chandan R S, Secretary, IPA Mysore Branch, Mysuru announced the results of the same.

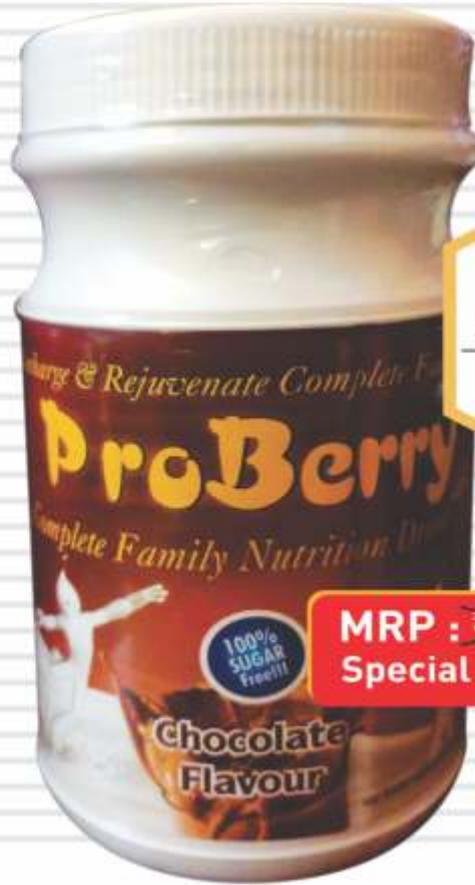


The IPA members Dr. G V Pujar, Vice Principal, Dr. Chandan R S, Secretary, Dr. B M Gurupadayya, Treasurer, Ms. Shilpa Palaksha and others were also present during the function. The faculty members of all the four pharmacy colleges of Mysuru participated in the program. The members from different associations like Drug Control Department, Mysuru, Railway Pharmacists Association, ESI Pharmacists Association, Karnataka State Government Pharmacists Association, Chemists and Druggists Association, Mysuru, Suvarna Karnataka Chemists & Druggists Association, Mysuru City & Dist. Retail Chemist's Association and Karnataka Registered Pharmacist Association, Karnataka were also present during the function.

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Immunity	Antioxidants

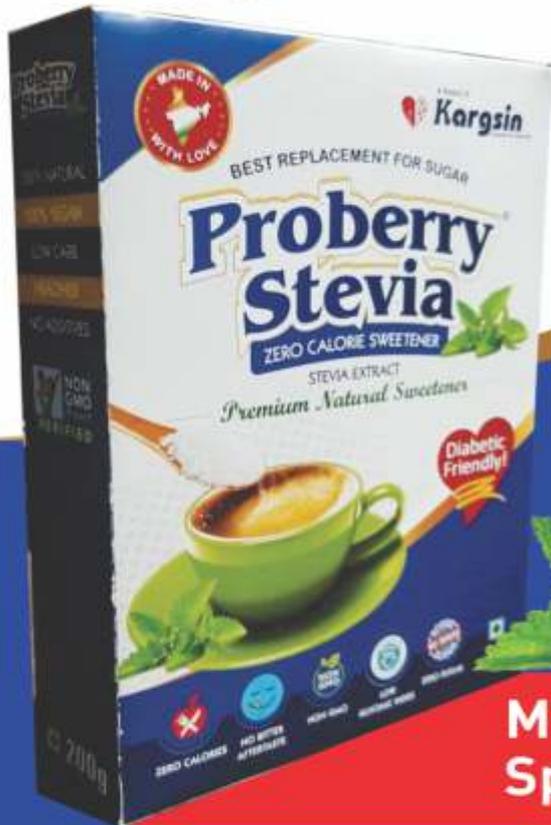
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# RULES

1. Correct answers will be rewarded 1 point each (10 marks)
2. Answer of the quiz will be evaluated by panel of judges and their decision is final. (Max mark:10)
3. 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
4. The answer must be sent within 20<sup>th</sup> October 2021 to this E Mail ID- krpaindia@gmail.com
5. A confirmation mail will be sent to you on receiving your e-mail.

1. Which among the following have the most updated information?  
 a. Textbooks  
 b. Journals  
 c. Compendium  
 d. Guidelines

2. Which of the following is a specialized UK based ADR resource?  
 a. FDA Medwatch  
 b. EMEA  
 c. MHRA  
 d. None

3. Which of the following is a specialized UK based ADR resource?  
 a. FDA Medwatch  
 b. EMEA  
 c. MHRA  
 d. None

4. Risk minimisation plan is developed during  
 a. Pre-Approval of drugs  
 b. Post Approval of drugs  
 c. Both  
 d. None

5. Which of the following is NOT a Causality Assessment scale?  
 a. WHO Probability Scale  
 b. Naranjo's Scale  
 c. Karch & Lasagna's Scale  
 d. Modified Hartwig and Seigel Scale

7. Who are the stakeholders in pharmacovigilance?  
 a. Regulatory authorities  
 b. Patients and their care-givers  
 c. Marketing authorization holders  
 d. Healthcare professionals (HCPs)  
 e. All of the above

6. Who acts as a senior resource throughout the company on matters such as safety strategy, regulatory and safety risk management, safety compliance, and safety quality assurance?  
 a. Drug safety associate  
 b. Head of Pharmacovigilance  
 c. Pharmacovigilance trainer  
 d. QPPV

8. Who has to play a significant role in increasing public awareness of drug safety?  
 a. Only WHO  
 b. National Centers  
 c. Patients  
 d. MAH

9. Which of the following is not a criteria to define Serious AE/ ADR  
 a. Death  
 b. Life-threatening  
 c. Requires inpatient hospitalization or results in prolongation of existing hospitalization  
 d. Visit to hospital for regular checkup

10. Which Phase of clinical trial is known as Human Micro-dosing studies?  
 a. Phase I  
 b. Phase II  
 c. Phase III  
 d. Phase IV

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