



**R. L. TAWDE FOUNDATION'S
SAROJINI COLLEGE OF PHARMACY,
KOLHAPUR**

Rs. No. 576, Near Rajendranagar Water Tank, Rajendranagar, Kolhapur. 416004.

e- mail – sarojini.instituteofpharmacy@gmail.com



E-NEWSLETTER
PHARMABUZZ @ SCOPians
(Issue 1, March 2023)



Committed to Excellence in Education...



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Welcome to Sarojini College of Pharmacy

Established under aegis of the R. L Tawde foundation in 2017, the Sarojini College of Pharmacy is approved by AICTE, Pharmacy Council of India, New Delhi and affiliated to Shivaji University, Kolhapur. It has been a nurturing ground for pharmaceutical professionals with its objective of providing the best possible pharmaceutical education. Outstanding infrastructure built in the serene campus which is dedicated exclusively for the Pharmacy discipline makes the teaching learning process a pleasurable experience. This comprises of highly knowledgeable faculty and facilities that enable students to gain a contemporary education.

Our Chief Patrons:



Shri. Kishore R. Tawde

Chairman, R. L Tawde foundation



Mrs. Shobha K. Tawde

Secretary, R. L Tawde foundation

Our Vision

"To be recognized among the best institutes in India for excellence in Pharmacy education."

Our Mission

"To impart value based Pharmacy Education and nurture research activities by inculcating personal touch and mutual respect amongst the stakeholders."



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From Principal's Desk,



I am delighted to inform that college is bringing Newsletter with information on academics and encompassing the events of professional activities, research initiatives and pharma updates. I am sure that Newsletter will give an ample opportunity to the students and faculty to bring their talents and contribute significantly to the profession. In today's competitive world, excellence is the only key to success and we believe in imparting the finest of knowledge and over-all development in personality of the students of our institution. Apart from the regular curriculum the college stresses on the orientation of the students towards industrial out-look so as to tune the students with the current developments in the Pharmaceutical technology field. Our faculty members implementing innovative practices in teaching learning process. I take this opportunity to greet all of you and wish you success in all your endeavours.

... Dr. Rajkumar Bagali

From NAAC Co-ordinator,



Welcome to the first issue of E-newsletter "**PHARMABUZZ@SCOPians**" from Sarojini College of Pharmacy. Pharmacy is the branch of health science that links medical science with chemistry. It is charged with the discovery, production, disposal, safe and effective use, control of medications and drugs. Pharmacist is a Specialist in Medications, Companion of the Physician, Counsellor to the Patient and a Guardian of Public health. Indian pharmaceutical sector supplies over 50 per cent of the global demand for various vaccines, 40 per cent of the generic demand for the United States and 25 per cent of all medicines for UK. India's domestic pharmaceutical market turnover reached Rs. 1.4 lakh crore (US\$ 20.03 billion) in the year 2019. In May 2020, pharmaceutical sales grew by 9 per cent to Rs. 10,342 crores (US\$ 1.47 billion). There are plenty of job openings in the field for Pharmacy graduates in both, the Government as well as in private sector. Looking at this potential opportunity in our view, The Sarojini college of Pharmacy, Kolhapur was started in the year 2017 and is dedicated towards quality education in the field of pharmacy under the visionary leadership of our Hon. Chairman Mr. Kishor R. Tawade and Hon. Secretary Mrs. Shobha K. Tawade. The college has been consistently achieving excellent results since its inception. I congratulate the editorial team and wish them all the best for the future issues.

"Quality is not a technology, it's a state of mind."

... Dr. Kirankumar Hullatti



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From the Chief Editor's Desk



It gives me great pleasure to welcome you to the first edition of e-newsletter **PHARMABUZZ@SCOPians**. The objective of this very first edition is to establish a bridge between College activities (which include curricular and co-curricular etc) and various stakeholders. Our efforts are to communicate institutional academic, research, cultural and sport achievements quarterly to all. Our emphasis will be on industry-institute interaction activities, guest lectures, seminar, workshop/conferences as well as social welfare activities under

NSS unit which symbiotically nourish students' overall development along with continuous trend of our academic excellence. A communication is complete when it turns into an act of interaction. We encourage all readers and welcome their suggestions for continuous improvement in every aspect of this e-newsletter.

.... Ms. Vaishnavi R. Mangrulkar

EVENTS IN COLLEGE

PHARMACIST DAY RALLY (25th Sep. 2022)



'AWARENESS RALLY' was organized on the occasion of **Pharmacist Day, 25th September 2022**. The route of the rally was from **Sarojini college of Pharmacy, Kolhapur** to Bhairavshakti Chowk, Morewadi. The theme of pharmacist day was "**Pharmacy United in Action for Healthier World.**" The students were asked to prepare slogans and deliver it throughout the rally. After reaching to the destination, Students performed the street drama based on the Pharmacist Day Theme.



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Guest Lecture on IPR, Research and Trademark related terms (15th Oct, 2022)



A guest lecture on “**IPR, Research and Trademark related terms**” was organized by Intellectual Property Cell on Saturday, 15th of October 2022. Mr. Sachin G Lokapure, known as a **Patent man**, was invited as a resource person for the same. He enlightened importance of Intellectual Property in the field of pharmacy, need of IPR, process of acquiring patent in India in-detail. He threw a light on the skills development of research paper publication. He guided students for choosing right research project and its projection on research paper. He also elucidated about **Entrepreneurship Development** and how to convert ideas into entrepreneurship.

Parents-Teachers Meet and Induction Program for F.Y. B Pharm (14th Jan, 2023)



The Sarojini College of Pharmacy, Kolhapur organized this year's **parents-teachers meeting on 14th January 2023** to discuss about departmental activities, students' progress and performance. The parents were intimated about the meeting well in advance. The meeting was started by welcome function by watering of plant and National anthem by auspicious hands of chief guest **Dr. Ravindra Hiremath, Principal KDC College of pharmacy,**

Kolhapur. The function was graced by presence of imminent personality, Honourable secretary of R. L. Tawde Foundations Mrs. Shobha Tawde and Dr. Raj Kumar Bagali, Principal, Sarojini College of Pharmacy

Guest Lecture on Regulations for Banning of Ragging and Anti-Ragging Measures (19th Jan, 2023)



The Sarojini College of Pharmacy, Kolhapur organized anti-ragging seminar on topic “**Regulations for Banning of Ragging and Anti-Ragging Measures.**” We are really pleased to have speaker like **Mrs. Megha Patil, API and Nirbhaya Pathak coordinator** Kolhapur branch. She focused on preventive measures to be taken to prevent ragging in college campus along with punishment should be given to students if any

incident happens in the college. She focusses on forms of ragging, what constitutes ragging, punishment for participants in/or Abetment of Ragging, Action to be taken by the Head of the institution, administrative action in the event of ragging and explained stepwise procedure about how to fill online anti-ragging form **@ Aman movement.**

Industrial Visit at SG Phytopharma Pvt.Ltd, Kolhapur and Mistair Health and Hygiene Pvt.Ltd were organized by Training and Placement Cell. The objective of the visit was to make B Pharm students to know about industrial processes, so that they get familiar with daily unit operations in loan license and third party manufacturing industry.

(22nd Feb, 2023)

S G Phyto Pharma Pvt. Ltd, Kolhapur



(25th Feb, 2023)

Mistair Health and Hygiene Pvt.Ltd



INDUSTRIAL VISIT

In order to encourage more young voters to take part in the political process, Government of India. The Voter's Day was organized under National Service Scheme in our institute. All the staff and students were administered oath.



Voter's Day (25th Jan, 2023)

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SPORTS FIESTA 2K23



The Annual Sports week **SPORTS FIESTA 2K23** was organized between **06-February 2023 to 11th February 2023**. The program was inaugurated by **Dr.S.V. Bansode, Sports Director, Shivaji University, Kolhapur**. Various Indoor and outdoor events were Successfully conducted, such as Chess, Carrom, Badminton and Table tennis and Outdoor events such as Cricket, Volleyball, Throwball and Football were conducted.

ANNUAL SOCIAL GATHERING- ASHWAMEDH 2K23



“ASHWAMEDH – Annual Social Gathering 2K23” was organized by extra-curricular committee on 17th February, 2023, at Jay Palace, Kalamba, Kolhapur. The program was planned under the guidance of Hon. Mrs. Shobha Tawde, Secretary, R. L. Tawde Foundation and Dr. R. S. Bagali, Principal, Sarojini College of Pharmacy, Kolhapur. Then Cultural Program and competitions were judged by Mrs. Nadita Patodiya and Mr. Kedar Kulkarni.

GADKOT SHIVJAYANTI (19th Feb. 2023)



The Rotaract Club of Samarpan, Kolhapur organized Shivjayanti celebrations at Sarojini College of Pharmacy, Kolhapur. The title of this event was Gadkot (fort designed **to be defended from attack**, consisting of an area surrounded by a strong wall). Final year students gathered at Panhala fort on Sunday morning and lit ‘Shiv Jyoti,’ which they carried back to the college in a relay while third year students were seen dressed as Chhatrapati Shivaji

Maharaj & Sai Bai & others dressed as Maharashtrian look.



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NATIONAL SCIENCE DAY- 2023



The theme of National Science Day this year was 'Global Science for Global Wellbeing.' As a part of its enterprise to conduct a wide range of extra-curricular programmes and activities to sensitize the students on social, cultural and ethical issues, the Research and Development Cell, Sarojini College of Pharmacy, Kolhapur had organized an Essay Writing Competition and Power Point Presentation Competition on the topics related to Science Day. Power Point Presentation was evaluated by Mr. Karan Swami, Assistant Professor, Pharmaceutics department, B Pharmacy and Ms. Pooja Mirajkar, lecturer, D Pharmacy, Sarojini College of Pharmacy, Kolhapur. Essay Writing was evaluated by Mrs. Swati Kale and Mrs. Poonam Hiremath, Teachers, Kolhapur Public School, Kolhapur.

GLOBAL NEWS

1. Genscript ProBio, RVAC Medicines partner for GMP plasmid DNA manufacturing for mRNA Covid-19 vaccine candidate



Genscript ProBio, a leading global Contract Development and Manufacturing Organization (CDMO), and RVAC Medicines Pte. Ltd., a biotechnology company focusing on the development and commercialization of messenger RNA (mRNA) therapeutics and vaccines, announced an agreement to establish a strategic partnership for the manufacturing of GMP-grade plasmid DNA (pDNA) for its mRNA Covid-19 vaccine candidate, RVM-V001, along with collaboration for future therapeutic pipelines. Genscript ProBio continues to provide high-quality GMP materials critical to the mission, including plasmid DNA and the development of ancillary materials to support mRNA manufacturing process. In addition to the manufacturing of plasmid DNA, the Genscript ProBio team provides consultative and expert guidance regarding quality and regulatory expectations of agencies worldwide.



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2. US FDA accepts BLA for Pfizer's respiratory syncytial virus maternal vaccine candidate for priority review



Pfizer Inc. announced that the US Food and Drug Administration (FDA) has accepted for review a Biologics License Application (BLA) for its respiratory syncytial virus (RSV) vaccine candidate PF-06928316 or RSVpreF for the prevention of medically attended lower respiratory tract illness (MA-LRTI) and severe

MA-LRTI caused by RSV in infants from birth up to six months of age by active immunization of pregnant individuals. This decision follows the FDA's Breakthrough Therapy Designation for RSVpreF in March 2022. The FDA has accepted the BLA for priority review and has set a Prescription Drug User Fee Act (PDUFA) action date of August 2023.

3. US FDA India pushes for digital technology across pharma plants for transparency in data submission



US FDA India gives top priority to emerging technology and advanced manufacturing across the pharma and biotech industry. The regulatory major sees this as the only way to spur transparency in production processes and bring in the much-needed reliability during audits. Pharma and biotech companies need to take up the responsibility to ensure quality and tackle defects

much before the audits are scheduled, said a panel of regulatory experts from the US FDA and EDQM at the day-long PDA India Chapter meeting titled Regulatory Expectations: The Quality Advantage.

4. FIP study confirms expansion of pharmacists' role in hygiene since the Covid-19 pandemic



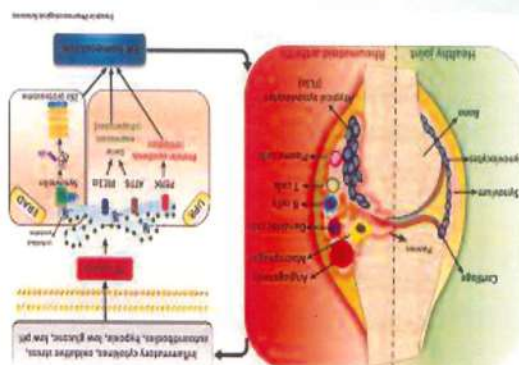
International Pharmaceutical Federation (FIP) Global Pharmaceutical Observatory (GPO) has confirmed that advice on hygiene given by pharmacies has widened from oral care to infection control measures. A literature review conducted by the FIP GPO found educating people on hygiene measures such as hand washing and disinfection to be a novel community pharmacy service during the pandemic. The



FIP GPO also conducted a cross-country survey (India, Indonesia, Saudi Arabia, South Africa and Thailand) through five FIP member organisations. More than half of the respondents reported that avoidance of respiratory, viral, communicable, and food and water borne infections were the most common 'germ concerns' expressed to them by the public.

ARTICLES FROM STAFF

“Rheumatoid Arthritis in 2023 – Novel Approaches with Newer Phyto-constituents”



In the past few decades we have witnessed unprecedented changes in medicine and particularly in the field of rheumatology. From the microscopic to the macroscopic level, knowledge about rheumatoid arthritis (RA) and therapeutic options to treat the disease has increased significantly. In recent years we have gained in-depth knowledge of the etiology of the disease. We have learned that RA is a heterogeneous disease that can be classified into antibodies based on data combining genetic risk factors and autoantibodies. The presence of ACPA and rheumatoid factor (RF) and elevated levels of C-reactive protein (CRP) in some patient's years before the onset of clinical symptoms indicate that the critical immune responses for the development of RA begin very early. In addition, international treatment recommendations have been developed to support the management of the disease, which is based on new treatment principles, such as a strict control strategy and the treat-to-target approach, with the ultimate goal of remission of the disease. Despite all these improvements, we are still unable to prevent or cure the disease. Delays in diagnosis due to lack of access to a specialist and expensive therapies remain a major obstacle for many patients. Even in first world countries, the principle of treating the target and the goal of disease remission are often overlooked. RA continues to be a cause of disability and reduced quality of life for many patients. Hence, advanced research with phyto-pharmaceuticals will hold a greater value in the near future when it comes to rheumatoid arthritis.

.... **Mr. Zaki Husain J. Tamboli**
Assistant Professor,
Pharmaceutics Department,



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“Highlighting need for a mix of FDA-approved artificial intelligence tools and community pharmacy services”

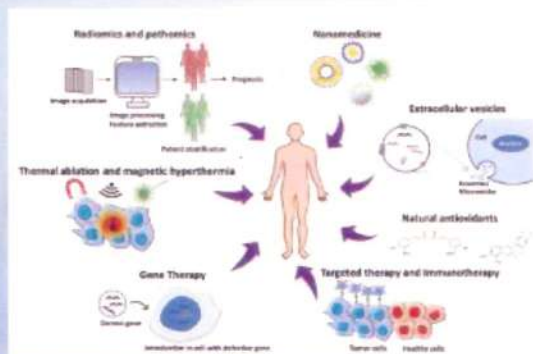


Seamless integration of artificial intelligence (AI) technology, especially FDA-approved AI tools, in community pharmacies can build increasingly effective and easy care pathways, thereby minimizing burden on healthcare system, and ensuring compliance to preventive measure through limiting hospital visits. In this regard, the WHO needs to enlist and provide guidance on most promising AI

tools that can be implemented in community pharmacy settings. This clearly implies that the integration of AI in major patient-related decisions or specialty areas demand a lot of evidence and monetary resources. The Delta variant of SARS-CoV-2, classified as variant of concern (VOC) by the WHO, and COVID-19 associated opportunistic infections among patients with co-morbidities have highlighted the importance of management of chronic disease patients, such as diabetes, hypertension and cardiovascular diseases. Under such catastrophic conditions, community pharmacies can be upgraded using AI tools. For instance, improved accuracy of cardiovascular risk prediction among patients with heart disease was reported in clinical settings using EHR data. Likewise, FDA-approved AI tools, such as DreaMed AdvisorPro (analyzes blood glucose and insulin pump data), and the guardian™ connect system (predicting blood glucose changes) can be used to manage diabetic patients, as they are vulnerable to COVID-19 associated mucormycosis and other complications.

... Ms. Sonali K. Diwate
Assistant Professor,
Pharmacology Department.

“New approaches and procedures for cancer treatment: Current perspectives”



Cancer is a global health problem responsible for one in six deaths worldwide. Treating cancer has been a highly complex process. Conventional treatment approaches, such as surgery, chemotherapy, and radiotherapy, have been in use, while significant advances are being made in recent times, including stem cell therapy, targeted therapy, ablation therapy, nanoparticles, natural antioxidants, radionics, chemodynamic therapy,

sonodynamic therapy, and ferroptosis-based therapy. Current methods in oncology focus on the development of safe and efficient cancer nanomedicines. Stem cell therapy has brought



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promising efficacy in regenerating and repairing diseased or damaged tissues by targeting both primary and metastatic cancer foci, and nanoparticles brought new diagnostic and therapeutic options. Targeted therapy possessed breakthrough potential inhibiting the growth and spread of specific cancer cells, causing less damage to healthy cells. Ablation therapy has emerged as a minimally invasive procedure that burns or freezes cancers without the need for open surgery. Natural antioxidants demonstrated potential tracking down free radicals and neutralizing their harmful effects thereby treating or preventing cancer. Several new technologies are currently under research in clinical trials, and some of them have already been approved. This review presented an update on recent advances and breakthroughs in cancer therapies.

.... Ms. Vaishnavi R. Mangrulkar
Assistant Professor,
Pharmaceutical Chemistry Department.

Editorial Board:

1. Chief Editor: Ms. Vaishnavi R. Mangrulkar

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5. Mr. Prathamesh Kumbhar (T.Y. B Pharm)



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