



Newspill

Monthly once

Manipal Pharmaceutics Conference 2023

30 September 2023: To mark the special occasion of Diamond Jubilee Celebrations of MCOPS, among the various activities charted out are two conferences; MPCON 2023 in September and TRDD 2023 in November. The first in the list, MPCON 2023-Manipal Pharmaceutics Conference was held during 28-30 September commencing with a preconference workshop followed by distinguished lectures by invited speakers and poster competitions on the following days.



During the Preconference workshops of MPCON 2023, three talks were organized by host Departments of Pharmaceutics, Pharmaceutical Quality Assurance and Pharmaceutical Regulatory Affairs and Management, parallelly at various facilities of MCOPS. The Workshop on Bioanalysis was conducted by Dr Shashyendra Singh Gautham, Principal Scientist (Bioanalytical Research), Biocon- Bristol-Myers-Squibb Research Centre, Bengaluru, India. Key points covered include significance of bioanalysis and its role in pharmaceutical research, various analytical techniques used in bioanalysis, elaborate working of LCMS and its importance in pharmaceutical analysis, development of LCMS/MS methods for bioanalysis and career opportunities in the field of LCMS and announced upcoming training and learning programs related to LCMS. Following the lecture, the session continued in the

laboratory, where Dr Shashyendra demonstrated the operation of an LCMS system, specifically the Thermo-Scientific LCMS. This hands-on experience provided students with practical insights into the technology. In the afternoon session, Dr Shashyendra continued session on "LCMS/MS-based Bioanalytical Approaches for the Quantification of Small and Large Quantities".

Workshop on 'IVIVC' by Dr Ashok Raj, Director of IVIVC, Cipla, Mumbai, India was held in the Department of Pharmacy Practice. The morning session of the workshop on "IVIVC" was aimed to provide participants with valuable insights into various aspects of pharmaceutical product development, focusing on dissolution



studies. The heart of the workshop was the session on dissolution, which covered a wide range of factors. Participants gained insights into factors affecting drug dissolution, including methodological and analytical aspects such as medium composition, temperature, apparatus types, and hydrodynamics. The workshop concluded with an in-depth exploration of In Vitro-In Vivo Correlation (IVIVC), where participants learned to correlate dissolution study data with biostudy (in vivo) data.

The third parallel workshop on "Introduction of IPR with special emphasis on Patents" by Ms Sonal Kirty, In-house IP counsel, ITC Life Sciences

& Technology Centre, Bengaluru, India. In the morning session, Ms Sonal Kirty started with an outline and introduction to IPR with special emphasis on patent, which gave students an idea about patent, type of patent trade secret, trademark, trade dress, copyright, industrial design, integrated circuit, Geographical Indication and Plant variety Rights. Ms Sonal also discussed in-depth exploration of how the pharmaceutical industry operates and emphasis on the importance of patent protection in the pharmaceutical sector, including its impact on innovation and access to medicine.



The inauguration event of the **Manipal Pharmaceutical Conference 2023 (MPCON 2023)** with the theme **“Re-visiting Pharmaceutical Manufacturing: Insights into Production, Quality and Regulations”** organized by **Department of Pharmaceutics, Department of Pharmaceutical Quality Assurance, and Department of Pharmaceutical Regulatory Affairs and Management** took place on 29 September 2023, 09:30 am at LH 4A, 4th floor, MMC Building, Manipal. The event was marked by a series of insightful speeches and gestures of appreciation.

Dr C Mallikarjuna Rao, Principal, MCOPS officially commenced the session with a welcoming address to the esteemed gathering

highlighting India’s significant role in drug manufacturing and provided insights into the conference theme. Followed by the ceremony included the lighting of the lamp by all the dignitaries. Chief Guest of the inaugural **Lt Gen Dr M D Venkatesh**, Vice-Chancellor, MAHE released the book **“Pharmaceutical Scientists of Manipal”** as part of **MCOPS Diamond Jubilee Celebration**. During his address he emphasized India’s pivotal role as the world’s pharmacy and the importance of addressing challenges in the supply chain, especially in the wake of the pandemic. He urged for stronger industry-academia relationships in India to match those seen in the Western world as this collaboration has the potential to revolutionize the pharmaceutical field. Guest of Honor, **Dr Sharath Rao**, Pro Vice Chancellor-Health Sciences, MAHE electronically released the conference abstract book and reiterated India’s role as the pharmacy of the world, both now and in the future. The inaugural was anchored by **Dr Jyothsna Manikkath**, Department of Pharmaceutics, MCOPS.

The first session of the conference by Dr Sanjay Garg, Director, Centre for Pharmaceutical Innovation, UniSA: Clinical and Health Sciences, University of South Australia, Australia, focused on the theme **“Patient-Centric and Translational Pharmaceutical Research: Challenges and Opportunities”**. The Chairperson of the session was **Dr Mohammed Gulzar Ahmed**, Principal, Yenepoya Pharmacy College and Research Centre, Mangalore.



The second session of MPCON 2023 delved into the captivating realm of **“Protein Biomarker Bioanalysis Using LC MS/MS: Current Trends”** This enlightening session, under the stewardship of **Dr Saleemulla Khan**, Principal,

P A College of Pharmacy, Mangalore, unfolded with great promise. **Dr Shashyendra Singh Gautham**, Principal Scientist (Bioanalytical Research), Biocon- Bristol-Myers-Squibb Research Centre, Bengaluru explored various facets, including approaches to biomarker discovery, quantification methods in MS-based proteomics, the intricacies of targeted proteomics, and the nuances of label-free proteomics.



The third session of MPCON 2023 brought to the forefront a topic of significant relevance - **"Patents and the Indian Pharmaceutical Industry."** **Dr Mallikarjun Rao**, Principal, MCOPS who chaired this session, opened proceedings by introducing both the session's theme and the esteemed speaker, **Ms Sonal Kirty, In-house IP counsel, ITC Life Sciences & Technology Centre, Bengaluru.** She expounded upon the pivotal role that patents play in the industry, elucidating their

mechanisms and historical underpinnings. Case studies were interwoven throughout the presentation, offering a practical and tangible understanding of the subject matter. Dr Rao provided insightful closing remarks, encapsulating the essence of the session, and engaged in an illuminating dialogue with Ms Kirty.



In the afternoon session, the focus shifted to the presentation of posters in 3 categories; **category 1: Pharmaceuticals, category 2: Pharmaceutical Quality Assurance and category 3: Pharmaceutical Regulatory affairs and Management.** Researchers and scholars from different fields came together to present their work through visually engaging posters.

The first session of Day 2 of conference was by **Dr Sunil Chiplunkar**, Vice President-Business Development, Group Pharmaceuticals Ltd., Bengaluru on the topic **"Blueprint for Product Development"**. The session was chaired by **Dr C S Shastry**, Principal, NGSM Institute of Pharmaceutical Sciences, Mangalore. Throughout his presentation, Dr Chiplunkar delved into several critical topics, including market dynamics in the pharmaceutical sector, strategies to enhance profitability, the realities of the pharmaceutical market, and guidelines for licensing.





The second session of MPCON 2023 by **Dr Venkat Ramana Naidu**, Executive Vice President – R&D (T-CEM & BRaIN), Dr. Reddy's Laboratories Ltd., Hyderabad delved into the captivating realm of **"New Trends in Pharmaceutical R&D and manufacturing"**. This enlightening session, under the stewardship of **Dr Ramakrishna Shabaraya A**, Principal, Srinivas College of Pharmacy, Mangalore, unfolded with great promise.



The third session brought to the forefront a topic of significant relevance – **"Quality assurance in Biotechnology Products"**. **Dr B Satish Rao**, Director-Research, MAHE; Director – Manipal School of Life Sciences, Manipal who chaired this session, opened proceedings by introducing both the session's theme and the esteemed speaker, **Dr Gopal K**, Deputy Manager, Quality Assurance, Syngene International Ltd., Bengaluru.



The fourth session brought to the participants the topic **"Selecting Discriminatory Dissolution Media"** by **Dr Ashok Raj**, Director IVVC, Cipla Ltd., Mumbai setting the stage for an informative session. **Dr Shivakumar Hugar**, President APTI- Karnataka State Branch; Professor, and Department Head, BLDE College of Pharmacy, Vijapur who chaired this session, introduced the esteemed speaker.



The afternoon session of MPCON on the topic of relevance – **"Soft Skills"** by **Mr Sachin R Chandra**, Assistant Professor– Selection Grade, Department of Commerce, MAHE, Manipal was chaired by **Dr Vishwanath Swamy**, Principal, KLE College of Pharmacy, Hubballi who opened proceedings by introducing both the session's theme and the esteemed speaker. The seminar delved into a diverse array of topics, including **Divergent Thinking, The 21-Day Habit Theory, Differentiating Soft Skills and Hard Skills, Stress Management, Emotional Intelligence, Hard Work and Effective Communication**. Mr Chandra encouraged



divergent thinking as a crucial component of soft skills development, fostering creativity and adaptability.



After three days of engaging conference sessions, the event culminated in a cultural session. During this session, **Ms Sai Lakshmi** and **Ms Vaishnavi** delivered captivating vocal performances, followed by a mesmerizing Veena performance by **Ms Jhanavi Shenoy**, all of which were thoroughly enjoyed by the audience.



The **Valedictory Ceremony of MPCON 2023** marked the successful conclusion of three days of insightful discussions, knowledge sharing, and networking. The Valedictory Ceremony was graced by esteemed guests, including **Dr Niti Nipun Sharma**, Pro Vice Chancellor, Strategy and Planning, MAHE, Manipal; **Dr C Mallikarjuna Rao**, Principal; and **Dr Krishnamurthy Bhat**, Vice Principal, MCOPS.

Dr Srinivas Mutalik, Head of the Department of Pharmaceutics, provided an overview of the conference and announced the winners of the poster presentations, recognizing their outstanding research. Out of over 180 poster participants, 20 were recognized as the best presenters, demonstrating their exceptional contributions to the conference. MPCON 2023 celebrated the spirit of learning, collaboration, and knowledge dissemination. The conference not only expanded the horizons of the participants' academic and professional knowledge but also facilitated networking and enduring connections. The Valedictory Ceremony anchored by **Dr Ramya Ravi**, concluded with a message of continued learning and exploration, emphasizing the importance of knowledge.





'Pharmaceutical Scientists of Manipal' Released during MPCON 2023

30 September 2023 : In commemoration of the Diamond Jubilee of MCOPS, a book entitled **'Pharmaceutical Scientists of Manipal'**, which encompasses the experiences of 15 eminent scientists of MCOPS, who have narrated their journey at Manipal in their own words, was released during the inauguration of **Manipal Pharmaceutics Conference** held during 28-30 September 2023 by the chief guest **Lt Gen Dr M D Venkatesh**, Vice-Chancellor, MAHE, Manipal. **Dr Sharath Rao**, Pro Vice Chancellor- Health Sciences, MAHE, Manipal, **Dr C Mallikarjuna Rao**, Principal, MCOPS, **Dr Krishnamurthy Bhat**, Vice-Principal, MCOPS, **Dr. Srinivas Mutalik**, Professor & Head, Dept. of Pharmaceutics, MCOPS, **Dr H Shivakumar**, resident, Association of Pharmaceutical Teachers of India (APTI), Professor and Head Department of Pharmacology, BLDEA's SSM College of Pharmacy and Research Centre, Karnataka, were also part of the function. This book provides an insight into the historical development of MCOPS as a pharmaceutical research hub. The compilation of the chapters

was coordinated by **Dr Usha Y Nayak**, Professor, Department Pharmaceutics, MCOPS.

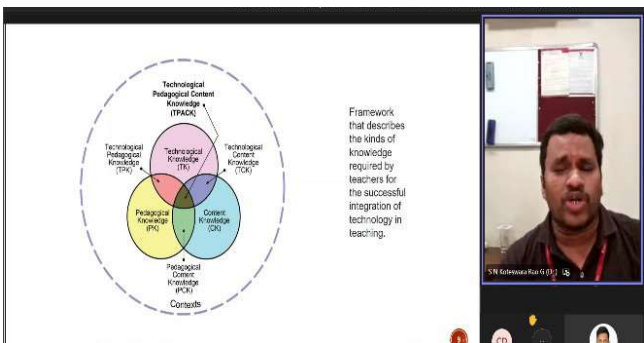
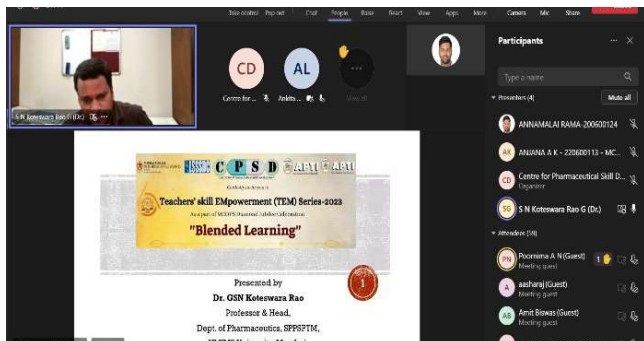


The CPSD TEM Series Lecture by Dr GSN Koteswara Rao on "Blended Learning"

25 September 2023 : As part of MCOPS Diamond Jubilee celebrations, the Center for Pharmaceutical Skill Development (CPSD), MCOPS, MAHE, Manipal, in association with Life Science Skill Development Council (LSSDC), APTI-Karnataka, and APTI-Uttar Pradesh State Branch, organized the Teachers' Skill Empowerment Series, 2023 on the topic "**Blended Learning**" on Monday, 25 September 2023, via MS Teams. The event featured **Dr GSN Koteswara Rao**, Professor and Head of Department of Pharmaceutics, Shobhaben Pratapbhai Patel School of Pharmacy and Technology Management, SVKMs, NMIMS University, Mumbai, India, as the resource person. The program commenced at 3 pm, marking the beginning of an insightful session.

The talk provided a comprehensive exploration of how the principle of 'Blended Learning' offers a flexible and individualised educational experience by fusing traditional classroom instruction with interactive learning. It combines technology with in-person encounters, such as learning management systems and digital materials. This strategy improves engagement, accommodates various learning preferences, and gives teachers the ability to use data to support students more effectively.

Over 150 teachers from diverse educational institutions attended the session. The audience were engaged with a lively Q&A session and clarification session on the topic.



The Editorial Board of Manipal College of Pharmaceutical Sciences hosted a Creative Writing Competition for Swachhta Pakhwadas to highlight the importance of cleanliness and sanitation. This event was conducted on 2 September 2023 in room number 127 of MCOPS, from 2 to 3 PM. In this competition, participants were given one hour to write an essay, short story, or poem on a topic "Guardians of Hygiene". Around 30 students participated in this glorious event. Through their submissions, many illustrated various themes encompassing the importance of hygiene and commonly overlooked issues surrounding it that directly impact the same. This included poverty, energy use, women's safety, and much more. Sania Das from 2nd Year BPharm won 1st Place, Saara Kaloya from 1st Year BPharm won 2nd Place, and Khushi Agarwal from 3rd Year BPharm won 3rd Place.

On 4 September 2023 the 8th consecutive Swachhata Pakhwada celebration was organized by the Community Development Committee on 4 September 2023, from 9:00 AM to 5:00 PM at Manipal College of Pharmaceutical Science, Manipal. The event featured talk by CDC members to students of DPharm, BPharm, and PharmD classes on various approaches to waste management, with emphasis on the proper disposal of food containers, plastics, medical waste, and e-waste. In addition, the students were introduced to CDC's upcoming event on Swachh Bharat Abhiyan, which will focus on the collection and proper disposal of electronic and medical waste. The program was coordinated by Dr Prasanna Kumar and Dr Sreedharan Nair of Department of Pharmacy Practice, and was organized by Dr. Jayesh Mudgal, Coordinator Student Affairs MCOPS.

Other Activities...

Swachhata Pakhwadas: Creative Writing Competition

2 September 2023 : Swachhta Pakhwadas has been organized by the Government of India since April 2016. It began with the objective of focusing intensely on the issues and practices of Swachhat. Given this, multiple educational institutions implemented their plans between the 1st and 15th of September, 2023.





highlighted the fruitful and synergistic partnership between MCHP and MCOPS in research and development, and the collaborative publications, among other ventures. Also, he announced an exciting collaborative Master's program. Dr Arun congratulated the office bearers of the current student council, wishing them the very best under the current President's guidance.



MAPS Organized Annual Student Council Inaugural event- Genesis 2023-24

5 September 2023: The Annual Student Council Inaugural event of MAHE Association of Pharmacy Students (MAPS), GENESIS – "NUOVO INIZIO" 2023 - 24 was held at TMA Pai Halls, Manipal, on 5 September 2023. It was made more notable by being held in conjunction with Teachers' Day. Dr G Arun Maiya, Dean, Manipal College of Health Professions (MCHP), Manipal, was the Chief Guest of the event. The ceremony was initiated with the lighting of the lamp by the esteemed Chief Guest, Dr G Arun Maiya, along with the Principal, Dr C Mallikarjuna Rao, and Vice Principal, Dr Krishnamurthy Bhat, invoking the sacred flame to sanctify the event. The lamp lighting was followed by Shreya Satish beatifically singing the invocation song, enrapturing the audience. Principal, Dr C Mallikarjuna Rao formally welcomed the Chief Guest with the presentation of a bouquet. Later, Chief Guest addressed the audience where he remarked that the student council plays a massively important role in an institution. He also

Ms Aarthika Srinivasan, previous Chief Editor of the Editorial Board 2022-23, introduced the college magazine, Ab Aeterno – proudly presenting 68 pages of stellar writing and photography. She expressed her gratitude and the highest hopes for the upcoming writers and photographers. The college magazine was released by the Chief Guest.

President Mr John George Patani, Vice President Ms Jayashree V, and the General Secretary Mr Rajath Samaga were officially inducted by the Chief Guest into the Student Council 2023-24. The other core positions were announced subsequently, and badges were presented by the Principal, with Academic Joint Secretaries Ms Panchami Chandrasekara and Mr Leroy Reuben Alvares taking office in the Academic Council. The Cultural Council will be led by Secretary Mr Mandar B Rao, with the aid of Joint Cultural Secretaries Mr Sreevishnu Nair and Mr Anand. Ms Shreya Gantayet was elected Secretary of the Sports Council, along with Joint Sports Secretaries Mr Shubham Manna and Mr Kirtjot Singh. The Chief Editor, Ms Shoshanna Attavar, and Joint Secretary, Ms Khushi Manoj Katiyar, will lead the Editorial Board. Ms Stuti Khatuka will serve as the Secretary of the Student Exchange Committee alongside Joint

Secretary Mr Arul Mahindroo, with Ms Chelsea George assisting at the helm as the Head of Internal Relations. The Vice Principal presented the badges, proceeding with the Secretary of the Community Development Committee, Ms Vani Nayak, and the Joint Secretary, Ms Sneha Bhat. Also, this year marks the introduction of new councils, with the Innovation and Entrepreneurship headed by Ms Rajeshwari Subramanian and Joint Secretaries Ms Tanvi Ambekar and Mr Paawan Gulati. Mr Rajath Samaga along with Joint Secretary Ms Aleena Ann Jose will run the Social Media Council. Finally, the Innovative Communications Club will be presided over by Ms Pragati Bangera.



The Principal spoke about the importance of Teacher's Day. He fervently expanded on the ideal relationship of utmost respect and moral values between a mentor and a student towards a common goal, with the example of Krishna and Arjun quoted from the Bhagwad Gita. Dr Jayesh Mudgal, the Secretary of MAPS, congratulated the previous Student Council for their efforts and briefly introduced the councils and their respective heads, wishing them the best for the current term.

This was followed by the much-anticipated President's Speech by Mr John Patani. He spoke about his journey to the present, expressing his gratitude to those who supported him and highlighting the importance of teamwork and diligence. He passionately pledged to transparency and to go to great lengths for the council and empowerment of the students, sharing his presidential visions with the audience.

The General Secretary, Mr Rajath Samaga, spoke about the significance and role of each council and talked about making the Diamond Jubilee a memorable year. The celebration was concluded by the Vice President, Ms Jayashree V, who presented the vote of thanks. Sania and Saptadip served as masters of ceremonies for the formal event.

The informal evening started with an invocation dance, followed by the drama featuring a very catchy remake of a song. The dance and the singing

by the first years further bolstered this evening, leading to an encore wherein the second years also danced to the beat of popular songs, inspiring the audience to get off their seats and onto the dance floor, closing the chapter on a star-studded evening: another one for the books.





Pharmacovigilance Week (NPW) celebration 2023 was jointly organized by the Department of Pharmacy Practice and the Centre for Pharmaceutical Care, MCOPS, MAHE, Manipal. Events like quiz competitions, poster competitions, and public speech competitions were conducted on this occasion. The quiz was based on the current affairs related to the pharmacovigilance. The event was conducted in the seminar hall of the Department of Pharmacy Practice, MCOPS, MAHE, at 12:30 pm on 21 September 2023. Dr Muhamed Salim, Assistant Professor, Department of Pharmacy Practice, was the quiz master. Mr Muhammed Rashid PP and Ms Pooja Gopal Poojari bagged the first prize in the quiz competition. The poster presentation was organized on the second day of the celebration, with the theme “Boosting Public Confidence in Pharmacovigilance”.

On the third day, a workshop on “Practising Pharmacovigilance in Industrial and Community Settings” was organized at Prof P Gundu Rao Hall, MCOPS, MAHE, Manipal. Dr Surulivel Rajan M, Professor and Head, Dept. of Pharmacy Practice, MCOPS, addressed the gathering with his welcome address. Prof (Dr) C Mallikarjuna Rao, Principal, MCOPS, MAHE, Manipal, inaugurated the program officially. The workshop was conducted by Dr Alkesh Kumar Lokhande, Senior Medical Writer, GSK, Bangalore, and Dr Sonal Sekhar M, Associate Professor, Department of Pharmacy Practice, MCOPS, MAHE, Manipal. The importance of practicing pharmacovigilance in industrial and community settings was explained by these experts. Dr Alkesh elaborated on the importance and the ever-increasing career opportunities in the field. Dr Sonal explained the patient/public-centered approach in pharmacovigilance. The workshops were followed by the prize distributions. Dr Rajesh V, Coordinator, ADR Monitoring Centre, Dept. of Pharmacy Practice, MAHE, Manipal, proposed the vote of thanks.



National Pharmacovigilance Week (NPW) Celebration 2023

21 September 2023 : On the momentous occasion of the 125th Birth Anniversary of our visionary founder Dr TMA Pai, the National



Guest Lecture Organized by Department of Pharmaceutical Chemistry

23 September 2023: Department of Pharmaceutical Chemistry, MCOPS, organized a guest lecture by **Professor Sreekantha B Jonnalagadda**, Senior Professor of Chemistry at the University of KwaZulu-Natal (UKZN), Durban on “Nanocomposites as recyclable catalysts for green synthesis of novel bioactive molecules”.

Professor Sreekantha explained the development of environmentally friendly solid acid/base catalysts to minimize the effluents and pollution in the chemical industry. During his talk, he covered topics such as synthesis of catalyst and their usage in many multicomponent reactions to increase the yield of the products, emphasising on greener approach. He also elaborated on the importance of nanocomposites as catalysts in synthesis and how to select them. PG Students, Research scholars and faculty members participated in large numbers and were benefitted from his lecture.

Dr R S Jeyaprakash was the master of ceremony, **Dr Ruchi Verma** introduced the speaker to the audience and **Dr Aravinda Pai** proposed vote of thanks. The event was organized and coordinated by HOD, **Dr Suvarna G Kini**.



MCOPS Shines Bright on World Pharmacist Day

25 September 2023: World Pharmacists Day is devoted to recognizing the contribution of pharmacists and pharmacy professionals for their vital contributions to improving global health. ‘World Pharmacists Day’ was observed at Manipal College of Pharmaceutical Sciences on 25th September 2023 with the theme “Pharmacy strengthening health systems.”

Dr C Mallikarjuna Rao, Principal, MCOPS addressed the staff and students of MCOPS who had gathered in front of the college, at 4:30 PM. His talk focused on the significance of a pharmacist. Dr Rao highlighted that we are an essential part of the healthcare infrastructure, contributing significantly to improving the overall efficiency of healthcare delivery. In honour of this day, the pharmacist’s oath was sworn by all the members of the faculty and students of all batches led by Dr D Sreedhar. The oath emphasized the principles such as patient care, integrity, respect for individuals and dedication to the advancement of the pharmacy profession.





Guest Lecture on Introduction to Intellectual Property Rights (IPR) and Career Opportunities

29 September 2023: Ms Sonal Kirty, IP Counsel, ITC Ltd, Bengaluru delivered a lecture on **Introduction to Intellectual Property Rights (IPR) and Career Opportunities** on 29 September 2023. The seminar began with exploring the broad landscape of Intellectual Property Rights. Ms Sonal elucidated the critical role of IPR in the pharmaceutical industry and highlighted the diverse forms it can take, including trademarks, copyrights, patents, integrated circuits, and geographical indications. Her insights provided attendees with a comprehensive understanding of the multifaceted world of IPR.

One of the vital focal points of the seminar was an in-depth discussion on patents. Ms Sonal distinguished between patents and designs, outlined the criteria for patentability, and demystified the patent filing process. Her lucid explanations and practical examples were instrumental in clarifying intricate concepts. The interactive nature of the session was a highlight, with students actively engaging and posing insightful questions. This dynamic exchange of ideas further enriched the learning experience. Ms Sonal also shed light on the instrumental role of an IP cell and introduced attendees to the array of courses offered by the WIPO Academy on IP, along with modern branding techniques. Ms Sonal's expertise and

engaging presentation style ensured that each participant left with a deeper understanding of IPR and its potential impact on their career paths.



Guest Lecture Organized by ISPOR & Department of Pharmaceutical Regulatory Affairs and Management, MCOPS

16 August 2023: A guest lecture was jointly organized by ISPOR Manipal Student Chapter and the Department of Pharmaceutical Regulatory Affairs and Management, MCOPS on 16 August 2023. Speakers were **Mr Vikas Johri** (Vice President, Global Regulatory Affairs, Glenmark Pharmaceuticals Ltd.) and **Mr Ankur Shah** (Deputy General Manager, Global Regulatory Affairs, Glenmark Pharmaceuticals Ltd.).

A short introduction was provided on how regulatory affairs operate in the pharmaceutical industry. Global regulatory affairs in pharmacy is a specialized area that focuses on navigating the complex landscape of regulations and guidelines governing pharmaceutical products internationally. It is considered the "rulebook" that companies must follow to ensure their drugs are safe, effective, and legal worldwide. These regulations are transcribed based on the safety and effectiveness of drugs according to the FDA in a book called "The Publication Approved Drug Products with Therapeutic Equivalence Evaluations," commonly called "The Orange Book". Experts working in regulatory affairs understand and follow the set of rules presented by different countries so that they can produce good-quality drugs that people can consume anywhere in the world. It was elucidated that the statutes vary depending on the type of market they target. Two types of markets exist: regulated and semi-regulated. The significant difference is in the implementation of the regulations and the intensity of the audits conducted.



Alumni Relations, MCOPS organizes Guest Lecture by Mr Gurpreet Singh

1 September 2023 : Mr Gurpreet Singh, an alumnus of Manipal College of Pharmaceutical Sciences (BPharm Batch of 2001-2005) is a Life Sciences & Pharma Business Leader with 17+ years of progressive



experience in Business Strategy, Management and Operations. He has served in strategic positions in industries like Cognizant, TCS, Novartis, Parexel etc. He is currently the Vice President, Global Head Pharmacovigilance at Freyr Solutions in United Kingdom. Mr Singh was the Best Outgoing student of BPharm in 2004-2005 and has received many honours and awards including- Business Excellence Award for Professional Leadership in Lifesciences & Pharma by the Knowledge Chamber of Commerce and Industry in Jun 2022, and Exemplars of Excellence (Biopharma) Award for Operational Excellence in Lifesciences & Pharma by Bluetech Media in Aug 2023.

Gurpreet Singh addressed the undergraduate and post graduate students of MCOPS on 1 September 2023 and delivered a lecture on *Global Drug Development – Current Trends, Challenges and Opportunities* focusing on the essential elements for a Successful Organizational Transformation i.e., The people, process, technology. He discussed the role of each element in detail i.e. how people do the work, how processes make the work more efficient and how technology helps people do their tasks and also helps automate the processes. He presented case studies to show how businesses achieve organizational efficiency by balancing the three and optimizing the relationships between people, processes, and technology.

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES
ISPOR Student Network

A live session on;
ESSENCE OF GLOBAL REGULATORY AFFAIRS

Guest Speakers

Mr. Vikas Johri
 Vice President,
 Global Regulatory Affairs
 Glenmark Pharmaceuticals Ltd.

Mr. Ankur Shah
 Deputy General Manager,
 Global Regulatory Affairs,
 Glenmark Pharmaceuticals Ltd.

Venue

August 16, 2023 5pm Onwards Room No. 105 MCOPS

Fill the form below!
<https://forms.gle/w3yvP1oDMmsRXon10>

Limited seats available and e-certificates would be provided for the same

Isplor.manipal <https://www.ispor.org/>

Elite Alumni Column...



"Hostel life at Manipal was also nostalgic, sharing new boys hostel facilities and finally staying in Tagore block making lots of friends during the stay there. I am proud of the team spirit and camaraderie is still alive &

kicking among all my 90s batchmates from COPS 1989 batch. We also called in and met few professors residing in Manipal and Udipi, whose presence made the 2018 grand silver jubilee reunion a memorable get together. I am a proud alumnus of MCOPS and looking forward to attend the diamond jubilee celebration next year, thereby to get an opportunity to touch the soil of Manipal, which has been the learning ground, and foundation to my 30 years of career journey in pharmaceutical industry."

Manoj Kumar Nair, COPS Batch 1989
General Manager, Marketing,
TIL Healthcare Pharmaceuticals, Chennai





Faculty Achievements...

Prof. LVG Nargund Research Excellence Award in Pharmaceutical Chemistry Awarded to Dr Suvarna G Kini

2 September 2023: Dr Suvarna G Kini, Professor and Head, Department of Pharmaceutical Chemistry was awarded Prof. LVG Nargund Research Excellence Award in Pharmaceutical Chemistry, by APTI during the 26th APTICON 2023 held at Kanpur during 2&3 September, for research contribution in the field of Pharmaceutical Chemistry. This award is given to Pharmaceutical Scientist, Teachers who are pursuing research and also working in Award Pharmaceutical Industry, Research Institutions, University and PCI/AICTE recognized institutions, who has BPharm / MPharm / PhD from a recognized University or any other equivalent qualification recognized by Pharmacy Council of India and having Ten years of teaching experience after completion of MPharm with age above 40 (forty) years as on last date of submission of application prescribed by APTI. The candidate should be a life member of APTI for a minimum period of five years. The award carries a cash prize of Rs 10,000/-, a memento and a citation. Dr Kini received this prestigious award from PCI President, Dr Montu Patel as well as from President and Vice President of APTI.



Dr Madhavan Nampoothiri G Baggs PK Abdul Gafoor Memorial Young Scientist Best Researcher Award 2023

10 September 2023: Dr Madhavan Nampoothiri G, Assistant Professor (Selection Grade), Department of Pharmacology, Manipal College of Pharmaceutical Sciences, Karnataka received the PK Abdul Gafoor Memorial Young Scientist Best Researcher Award 2023 in National conference MESCON 2023 organized by MES Medical College, Perinthalmanna, Kerala held on September 9 and 10, 2023. The Best Researcher Award recognises individuals who have demonstrated outstanding research activities, encompassing a prolific publication record, impactful papers presented, and active participation in international conferences. The Award consist of a Certificate, Memento and Cash award INR 20000.



Dr Madhavan Nampoothiri Receives the Best paper Award in MESCON 2023

10 September 2023: Dr Madhavan Nampoothiri G received the award for best paper presentation (Category: Faculty Oral Presentation) titled " Modulatory role of Substance-P against neuroinflammation-induced learning and memory deficit" authored by Madhavan Nampoothiri, Prasada Chowdari Gurrar, Sairaj Satarker and Jayesh Mudgal, Department of Pharmacology, Manipal College of Pharmaceutical Sciences, Karnataka during the National conference MESCON 2023 held on 9&10 September 2023 at MES Medical College, Perinthalmanna, Kerala. The Award consist of a Certificate, Memento and Cash award of INR 3000.



Dr Krishnamurthy Bhat Felicitated as Distinguished Alumnus by JSS College of Pharmacy, Mysuru

22 September 2023: Dr Krishnamurthy Bhat, Professor & Vice Principal, MCOPS was felicitated by JSS College of Pharmacy, Mysuru as Distinguished Alumnus of JSS College of Pharmacy during the World Pharmacists Day Celebration held on 22 September 2023 with the Theme, 'Pharmacy strengthening health systems'. Dr Bhat was honored for his outstanding contributions and commendable services to society and for the notable milestones that he has achieved.



Dr Ramya Ravi Secures Best Poster Award at MPCON 2023

30 September 2023: Dr Ramya Ravi, Assistant Professor (Senior Scale), with Manipal college of Pharmaceutical Sciences, MAHE received the award for Best poster Presentation on the topic **"Regulatory landscape of contact lens as medical device: A comparative study"** at MPCON' 2023 held during 28 - 30 September 2023 at MAHE. The event was organized by the Departments of Pharmaceutics, Pharmaceutical

Quality Assurance and Pharmaceutical Regulatory Affairs & Management, MCOPS, MAHE. The conference was based on the theme: Re-visiting Pharmaceutical Manufacturing: Insights into Production, Quality and Regulations. She received the award from Dr Niti Nupun Sharma, Pro-vice chancellor – Strategy & Planning, MAHE, Manipal.



Faculty and Students of MCOPS receives ISPE's Scholarship to attend ACPE 2023

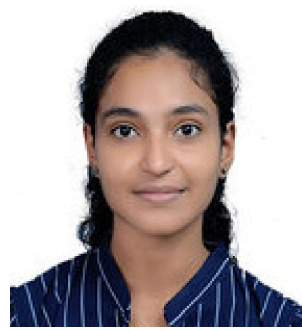
Dr Rajesh V, Associate Professor and Dr Sonal Sekhar M, Assistant Professor-Selection Grade of Department of Pharmacy Practice, MCOPS received International Society for Pharmacoepidemiology (ISPE)'s partial scholarship to attend the ISPE's 15th Asian Conference on Pharmacoepidemiology (ACPE), during 26 - 28 October 2023 at Sheraton Grand, Bengaluru, Karnataka. Ms Ashna Chackochan, Ms Asha K Rajan, and Mrs Santosha Vooradi (Research Scholars) and Ms Aadrika Baranwal (Pharm D Intern) received full scholarship. Mrs Swetha R Reghunath, Mrs Sowmya Pujari, Ms Malakapogu Pravachana, Ms Harsimran Kaur, Ms Shravya C, Ms Shwetha Somakumar, Ms Irene Lalhruaimawii, Mr Muhammed Rashid PP (Research Scholars) and Ms Elvira Dsouza & Ms Joylin Soares (Pharm D Interns) received partial scholarship. ISPE's full scholarship covers one-year membership of ISPE, travel expense and complimentary registration fees to attend the conference, whereas partial scholarship covers one-year membership of ISPE and complimentary registration fees to attend the conference.



Dr. Rajesh V



Dr. Sonal Sekhar M



Dr. Ms. Ashna Chackochan
Lukose V



Dr. Ms. Asha K Rajan V



Mrs. Santosha Vooradi



Ms. Aadrika Baranwal



Mrs. Swetha R Reghunath



Mrs. Sowmya Pujari



Ms. Malakapogu
Pravachana



Ms. Harsimran Kaur



Ms. Shravya C



Ms. Shwetha Somakumar



Ms. Irene Lalhruaimawii



Mr. Muhammed Rashid PP



Ms. Elvira Dsouza



Ms. Joylin Soares

 International Society for Pharmacoepidemiology
  IASS INDIAN ASSOCIATION OF COLLEGES OF PHARMACY
  IACPharmC INDIAN ASSOCIATION OF COLLEGES OF PHARMACY

ACPE 2023
 ISPEs 15th Asian Conference on Pharmacoepidemiology
 26 - 28 October 2023
 Bengaluru, India

Research Scholars' Achievements...

Mr Muhammed Rashid won Best Pharmacist of the Year 2023 Award

Mr Muhammed Rashid, Research Scholar, Dept of Pharmacy Practice, MCOPS has been honoured with the award "Best Pharmacist of the Year 2023" by Adichunchanagiri University, BG Nagara, as part of the World Pharmacist Day Celebration 2023. This award is presented by considering his outstanding contribution to the Clinical Pharmacy through academic and research excellence. Currently, Mr Rashid serve as ISPOR Student Network - Asian Regional Lead and ISPE Student Council - Networking & Communication Lead.



Ms Radhika Godavarthi Wins Best Poster Award @MPCON 2023

30 September 2023: Ms Radhika Godavarthi, First Semester MPharm, Department of Pharmaceutical Quality Assurance under the guidance of Dr Muddukrishna B S, Associate Professor, Department of Pharmaceutical Quality Assurance bagged best poster award for the poster titled "Changes and Challenges in New Informed Consent Guidelines by USFDA" at Manipal Pharmaceutic Conference (MPCON) 2023 poster competition.



Students' Achievements...

Best Concept Poster Award bagged by Ms Japman Kaur

17 September 2023: The Best Concept Poster Award was bagged by Ms Japman Kaur, a second year BPharm student of MCOPS, for her simple, realistic and invaluable idea of (Re)Birth at 4th National Conference on Youth in Social Change. The conference was held on 16-17 September 2023 at Dr TMA Pai Halls, MAHE, Manipal. The concept of (Re)Birth revolves around mothers in the post-pregnancy phase. Approximately 10-15% of new mothers experience postpartum depression (PPD). Motivating her to provide support for them to reclaim their identity, prioritize self-care, and establish a secure space would help her to attain normalcy. It is essential to raise awareness about PPD among older generations, and Japman's goal is to shed light on this issue, reassuring mothers that they are not isolated in their struggles. Her vision involves creating a platform where mothers can connect with online therapists and fellow new mothers to discuss their challenges, with future plans to establish walk-in centres, particularly for women. She aspires to transform this concept into a reality, recognizing that mothers get all the assistance needed for them.



Students of MCOPS Bags First Prize in Model Your Microbe Contest 2023

23 September 2023: Division of Microbiology, Department of Basic Medical Sciences, MAHE, organized the annual 'Microfest 2023' on 23 September 2023 which featured two major contests, 'Model Your Microbe-the hunt for the most gorgeous microbe' and 'Micro Das Plakat', a poster competition. A team of five students of

MCOPS comprising of **Yashas M & Garima Joshi** from seventh semester, **Celine Mariam Mathew** from fifth semester and **Aastha Pandey & Viraj Vaidya** from third semester BPharm, under the guidance of **Dr Angel Treasa Alex**, Associate Professor, Department of Pharmaceutical Biotechnology participated in '**Model Your Microbe contest 2023**' and bagged first prize. They beautifully presented a fictitious pleomorphic fungus named *Geopacem naturophiliae*, which induces the production of a special neurotransmitter in brain called philitonin to foster compassion, empathy, and kindness in people, ultimately working towards a more peaceful world. The team's detailed model depicted the sporulation stages and life cycle of this remarkable microbe, which included colonozoa – a tardigrade like form in GIT, pentacytes – the modified blood cell type in blood vessels, pulmozoa – a sea anemone type spore form residing in lungs, which can spread to others via breath and finally the astrocyte type ecoglia in brain secreting philitonin which modulates human mind to think and act in the way nature envisages its creatures to be; to love and live in harmony and balance of ecosystem. Thus, this imaginary fungus was named *Geopacem naturophiliae*, meaning "peace on earth and love for nature'. The team was well supported and encouraged by Mr Venkatesh Kamath, members of Department of Pharmaceutical Biotechnology, and Manipal College of Pharmaceutical Sciences, MAHE.



Mr John Patani and Mr Sumit S N Wins Best Poster at MPCON 2023

30 September 2023: **Mr John Patani** and **Mr Sumith SN** were honored with Best Poster Award in the conceptual category of pharmaceuticals at MPCON 2023 held during 28 to 30 September 2023. Their winning presentation focussed on Biometric Camouflaged Nanoconstructs for Cancer Theragnostic Applications. They were guided by Dr Namdev Dhas, Assistant Professor, Department of Pharmaceutics, MCOPS.





Ms Zeel Chaudhari Bags First Prize Quiz Competition

30 September 2023 : Ms Zeel Prahladbhai Chaudhari, VPharmD student, Dept. of Pharmacy Practice, Manipal College of Pharmaceutical Sciences (MCOPS) won first prize in a Quiz competition during the Second Capacity Building Workshop on “A Multidisciplinary Healthcare Team Initiated Antimicrobial Stewardship Training Program for Emerging Clinical Pharmacists” on 30 September 2023. The workshop was organized by the Center

for Antimicrobial Resistance and Education (CARE), Kasturba Medical College, Manipal and Department of Pharmacy Practice, MCOPS, in association with Manipal-bioMérieux Center of Excellence in Antimicrobial Stewardship.



Upcoming Events

03 October 2023: BioPharma Hackathon

10 October 2023: National cGMP Day

11 October 2023: Guest Lecture organized by Dept of Pharmaceutical Quality Assurance, MCOPS

14 October 2023: MCOPS DJC Distinguished Lecture Series 6

16&17 October 2023: Guest Lecture organized by Department of Pharmacology, MCOPS

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