

International Conference on Evolving Role of Clinical Pharmacist in Multidisciplinary Healthcare Settings, 6-9 Jan 2016

Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences is organizing an International Conference on 'Evolving Role of Clinical Pharmacist in Multidisciplinary Healthcare Settings' on 8th and 9th January, 2016. A pre-conference workshop on 'Clinical Skills and Research Methodology in Pharmacy Practice' is scheduled on 6th and 7th January, 2016.

National Seminar on 'Novel Pharmaceutical Technologies: Challenges and Opportunities, 14 - 15 November 2016

Manipal College of Pharmaceutical Sciences is conducting a National Seminar on 'Novel Pharmaceutical Technologies: Challenges and Opportunities' on 14-15 November, 2015 organized by Indian Association of Pharmaceutical Scientists and Technologists (IAPST), India in association with Consortium of Manipal Progressive Pharmaceutical Professional Associations of MCOPS

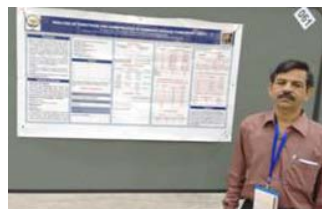
RESEARCH SPOTLIGHT

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- 3 Raghu C Hariharapura, HS Mahal, R Srinivasan, Hitesh Jagani, P Vijayan. A pulse radiolysis study of hyperoside isolated from *Hypericum mysorens*. *Radiation Physics and Chemistry*, June 2015, 107, 149-159.
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- 9 Pichesarwarao Polu, Udupa Nayanabhrama and Saleemulla Khan. Herbal medicinal plants as anticancer agents. *Annals of Phytomedicine* 4(1), 2015, 37-45.
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- 12 Ankush C, Virendra SL, Kiranshanker K, Sreedhar D, Manthan J, Muragundi PM, Udupa N. A Survey on Doctor's Expectation from Medical Representative in Karnataka State. *International Journal Current Research Review*, April 2015, Vol 7(8), 75-82.
- 13 Vamshi Krishna T, Lalit Kumar, M Sreenivasa Reddy, Rajat Rao, M Ankindeedu, Girish Pai K. Investigation to find out the Root Cause for Presence of Broken Tablet in the Marketed Blister Pack. *Research Journal of Pharmaceutical and Technology*, June 2015, 8(6), 707-709.

- 14 Rakesh Kumar Singh, Virendra S Ligade, N Udupa, AN Naik, Pradeep M Muragundi. Effect of Smoking on Health Related Quality of Life among Students. *International Journal of Community Pharmacy*, Volume 8, Issue 1, January - April 2014
- 15 Ainampudi Teja, Prashant B. Musmade, Amol B. Khade, Swapnil J. Dengale*, Simultaneous improvement of solubility and permeability by fabricating binary glassy materials of Talinolol with Naringin: Solid state characterization, In-vivo In-situ evaluation, *European Journal of Pharmaceutical Sciences*, 234-244, (2015).
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Scientific conferences

Krishnamurthy Bhat, Professor and Head of the Department of Pharmaceutical Quality Assurance, Manipal College of Pharmaceutical Sciences, Manipal University, presented poster entitled "Analysis Of Famotidine And Rabepazole In Combined Dosage Form By RP - HPLC" at Drug Discovery and Therapy World Congress 2015 held between 22-25th July 2015 at John B. Hynes Veterans Memorial Convention Center, Boston, USA. He is indebted to Manipal University for the financial support given under Incentive for Excellence in Teaching and Research.



Vasantharaju S.G, presented poster entitled "Development and validation of HPLC method for determination of Sumatriptan succinate in rat plasma" at Drug Discovery and Therapy World Congress 2015 held between 22-25th July 2015 at John B. Hynes Veterans Memorial Convention Center, Boston, USA.

Swapnil J. Dengale presented a poster entitled "Preparation, Characterization and In-vivo In-Vitro Assessment of Stable Binary Amorphous Phases of Talinolol with Naringin" at Gordon Research Conference - Preclinical form and formulation for drug discovery held between 7-12th June 2015, at Waterville valley, New Hampshire, USA.

The Fifth Annual Nobel Update-2014

The Fifth Annual Nobel Update was jointly organized by Department of Pharmacy Practice, MCOPS and Department of Virus Research, Manipal University on August 29, 2015. Apart from the regular sessions on Nobel Prizes in Physics, Chemistry and Physiology & Medicine, a special feature on Kailash Satyarthi (Nobel Peace Prize Laureate) by Dr. Ida Dsouza (Faculty, Department of Public Health, MU) was the highlight of this year's event. This venture is primarily intended to impart a multidisciplinary perspective to the divergent curricular themes of Manipal University. The organizers also announced a prize (a travel grant) to those who would successfully predict the Nobel Prize in Physiology and Medicine 2015.

ISPE scholarships clinched by faculty and students of Pharmacy Practice to attend a conference in Thailand

Twenty scholarships from the International Society for Pharmaco-epidemiology (ISPE) were bagged by the teaching faculty and students of Department of Pharmacy Practice to attend the ISPE's 9th Asia Conference on Pharmaco-epidemiology, November 14-16, 2015 in Thailand. Six teachers (Dr Sreedharan N, Dr Vijayanarayana K, Dr Rajesh V, Dr Girish Thunga, MrSonalSekhar M and MrPrasanna K Shetty), a PhD research scholar (MrAlkesh Kumar Lokhande), twelve PharmD students (Ms.Nishitha N Prabhu, Ms.Thanmai V, Ms.Kshipra K, Mr.Amal Raj, Mr. Prem Lal, Ms. Parvathy Menon, Ms. Zoya Ahmed, Ms. ManasaCh, Ms. Gopika Krishnan, Ms. AnuseeyaNadar, Ms. Praisy Ann Jacob and Ms. Hanisha Shah) and a MPharm student (Ms. Krishna Geetika.) are the recipients. The scholarship covered registration fee, travel and accommodation expenses.

MCOPS

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The most sought-after for pharmaceutical education and research

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Ad Meliora

a quarterly newsletter

Vol 2 Issue 2 July-September 2015

EDITORIAL

Ad Meliora has successfully completed one year and, four issues have already come out. We have achieved the prime aim of our quarterly publication, bringing report of all activities happening at MCOPS for the benefit of our students and alumni. This issue covers the early events of the new academic year, beginning with the orientation program for the newly admitted students of B Pharm, Pharm D and M Pharm. The college observed Sadbhavana Divas as per the suggestion of AICTE to spread awareness about the benefits of peace and unity among different communities. Then there was the Onam celebration, where the Malayalee students dished out one hour of entertainment program. There is also a report on the World Pharmacists' Day celebration. One of our alumni, Dr. Priyanka Garg has written about her MCOPS experience. The students' corner highlights the achievements of our students. Hope you enjoy the fare.

FROM THE PRINCIPAL'S DESK

The new academic year started in August and with new enthusiasm. New students have joined MCOPS while many have completed their programs and left for employment or higher education. I enthusiastically welcome our new students and hope that they will get adjusted to the cosmopolitan Manipal atmosphere. Manipal offers excellent opportunities for academic pursuits and extracurricular activities. Get the best out of this place. You are our ambassadors to the world outside.

July to September quarter has seen quite a busy time and a number of events have already taken place. A particularly important one was the observation of the Sadbhavana Divas, meant to foster goodwill among people of different communities and languages. In these times of violence and unrest, it is important to spread the message of unity and fraternity. The Kerala festival Onam was celebrated with fervor and gaiety.

Let's get going and have a productive year ahead.



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Manipal College of Pharmaceutical Sciences

Manipal University, Madhav Nagar, Manipal 576104, Karnataka, INDIA

Phone: 91 820 2922482; Fax: 91 820 2571998

Email: info.mcops@manipal.edu; Web: www.manipal.edu/mcops

प्रज्ञानं ब्रह्म



INSPIRED BY LIFE

EVENTS

Orientation Programs for Pharmacy students

July 31: Orientation programs for the newly admitted BPharm, PharmD and MPharm students were organized on 31st July and 6th August 2015, respectively. Dr GK Prabhu, Registrar, Manipal University was chief guest for the first program and Dr H Vinod Bhat, Vice Chancellor, Manipal University for the second orientation. The chief guests at both orientation programs congratulated the students for choosing MCOPS to pursue their professional pharmacy education and listed the advantages of the college and Manipal University. Both, Dr Prabhu and Dr Bhat gave a brief background of the growth of Manipal from its founding. All the newly-admitted students of BPharm, PharmD and MPharm were provided with a kit containing a handbook and academic calendar along with information related to library facilities, sports facilities and security issues. Most of the freshmen attended the orientation along with their parents. They were greatly inspired by Vice Chancellor's address and advice. The classes for UG and PG students commenced on 3rd August and 7th August 2015, respectively.



Benefits of digitalization

July 1-7: Digital India Week was celebrated during July 1- 7, 2015. MCOPS organized a program about "Benefits of Digitalization" during which Mr Satish Kamath, Assistant Director-IT, Information Systems Department delivered a lecture on "Awareness about digitalization". He spoke about the teaching and research management systems

Department of Pharmaceutical Biotechnology completes a decade

August 9: Department of Pharmaceutical Biotechnology, the eighth and youngest department of MCOPS, was established in the year 2005. The department reached its first major milestone by completing a satisfying and rewarding journey of 10 years in 2015. Day long celebrations were held to commemorate the tenth anniversary. Research scholars conducted fun-filled events. Concluding remarks were rendered by Dr J Venkata Rao, Head of the Department who thanked faculty members, students and alumni for the departmental success in its decennial celebrations. Dr Angel Alex was the master of ceremony. Mr Venkatesh Kamath proposed the vote of thanks.

Sadbhavana Divas

August 20: AICTE had instructed colleges to observe Sadbhavana Divas to promote national integration and communal harmony among the people of all religions and languages. Accordingly we at MCOPS celebrated the day. The students, who gathered in large numbers in front of college, took the following pledge.



"I take this solemn pledge that I will work for the emotional oneness and harmony of all the people of India regardless of caste, region, religion or language. I further pledge that I shall resolve all differences among us through dialogue and constitutional means without resorting to violence."

Colourful Onam festivities at MCOPS

August 29: The regional festival of Kerala, Onam was celebrated with fervor at MCOPS. The Malayali students whole heartedly planned a spectacular event commencing with a beautiful floral arrangement, traditionally known as 'Pookalam' at the entrance of the college. One of the events displayed all the traditional cultural programs of Kerala. Faculty, Research Scholars and Students poured in with a lot of

excitement. From a beautiful classical dance called 'Mohiniyattam' to melodious vocals to a cultural parade, they portrayed it all. The students were also treated to the most favourite sweet of Kerala, 'Payasam' towards the end. The enthusiasm of the audience and the massive crowd made the event a definite success.



September 5: In honour of the 125th birthday of Dr Sarvepalli Radhakrishnan, a great teacher and philosopher, the Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, celebrated the Teachers' Day with much zeal and enthusiasm on September 5, 2015. The event was attended by the Principal Dr C Mallikarjuna Rao and the Vice-Principal, Dr M Sreenivasa Reddy. All the teaching and supporting staff members, research scholars and post-graduates were present during the occasion. Amidst all the fun, laughter and delightful munchies, was hidden a message of love, respect and gratitude felt for the teachers. "We thank all our teachers who have played a vital role in our upbringing. Thank you so very much, Teachers and a very Happy Teachers' Day, once again" said the students.

Dr N Gopalan Kutty, Professor, Department of Pharmacology, was one of the winners of the contest titled "Why am I a teacher" organized by Manipal Centre for Professional and Personal Development, Manipal University on the occasion of Teachers Day Celebrations September 2015.

World Pharmacists Day Celebrations at MCOPS

September 25: MCOPS has been celebrating The World Pharmacists' Day on 25 September ever since it was announced by FIP at its Congress held in Istanbul in 2010. This year the theme is "Pharmacist: Your Partner in Health". Students of MCOPS organized a series of activities comprising a few lectures, elocution and essay writing competitions and a street play.

"The Pharmacy Industry is Recession Free" – were the words from the Chief Guest, Dr (Col) M. Dayananda, the Medical Superintendent and COO, Kasturba Hospitals, Manipal, during his inaugural address at MCOPS. The students of the Manipal University Association of Pharmacy Students (MAPS), MCOPS enthusiastically organized a series of events on 22-23 September 2015. The students took to the streets to display a skit on the theme 'Pharmacy Profession in India' which was admired by one and all. The keynote speaker for the program was Dr. Atmaram Pawar, Vice Principal, Pune College of Pharmacy, Bharati Vidyapeeth who gave an inspirational and motivational speech. He emphasized the role of pharmacists and the contributions made by them to the health care system. For the first time in MCOPS, the students organized a panel discussion about various pressing concerns of the students regarding the Pharmacy Profession. The panelists were representatives from BPharm, MPharm, PharmD and Research Scholars.

Drug Information Association [DIA] Students' Chapter was launched on 25th September. DIA student members are going to benefit immensely from the support of DIA. The Chapter will have weekly gatherings to update the knowledge and view free webinars organized by DIA.

PhD Awardees

The following persons successfully defended their theses to be awarded PhD during July 2015. They are:

Dr Madhavan Nampoothiri G [Topic: An Assessment of the function of insulin in reversing memory deficit in models of dementia in rats] Guide-Dr C Mallikarjuna Rao, Co-Guide-Dr N Gopalan Kutty (13.07.2015)

Dr Pradeep M Muragundi [Topic: Quality of Life and Pharmacoeconomic Studies in Patients with Acute Coronary Syndrome] Guide-Dr Anantha Naik Nagappa, Co-Guide-Dr N Udupa (20.07.2015)

Dr Cinu Thomas A [Evaluation of Antitubercular activity of Diphenyl ether derivatives] Guide-Dr G Gautham Shenoy, Co-Guide-Dr Indira Bai (27.07.2015)

Faculty Achievement

Honorary Professor at University of Queensland for Professor Srinivas Mutalik

Professor Srinivas Mutalik, department of pharmaceutics has been appointed as honorary professor in the Pharmacy Australia Centre of Excellence [PACE] of University of Queensland. University of Queensland is listed among the top 100 universities globally. MCOPS is proud of his achievement and congratulates him profusely.



Post-doctoral fellowship for Dr Vamshikrishna at Brazil

Dr Vamshikrishna, assistant professor of pharmaceutics, has secured a postdoctoral fellowship for one year in Universidade do Vale do Paraíba, Brazil. To facilitate his postdoctoral fellowship, Manipal University has given him paid sabbatical leave for one year.



Manthan Janodia's book on Intellectual Property Rights released

Manthan D Janodia, Associate Professor, Department of Pharmacy Management published his first book titled "Basic Concepts of Intellectual Property Rights". The book aims to simplify the complex issue of Intellectual Property in a simple and lucid way. Honorable Vice Chancellor of Manipal University, Dr H Vinod Bhat released the book on August 11, 2015 along with Dr N Udupa, Director Research (Health Sciences), Manipal University. The book is published by Manipal University Press.



Dr Sreedharan received a scholarship from International Society for Pharmacoe-epidemiology to participate in a conference at Boston

Dr Sreedharan Nair, Faculty, Department of Pharmacy Practice was awarded a scholarship from the International Society for Pharmacoe-epidemiology (ISPE) to attend the 31st International Conference on Pharmacoe-epidemiology and Therapeutic Risk Management at Hynes Convention Center, Boston, August 23-26, 2015. He presented a research paper titled 'Clinical manifestations and treatment patterns of systemic lupus erythematosus'. Additionally, Dr Nair also received a travel grant from the Indian Council of Medical Research (ICMR), New Delhi. During this trip, he visited the School of Pharmacy, University of Wyoming, USA

Dr Usha Y Nayak, Associate Professor, Department of Pharmaceutics, received Travel Grants from ICMR, New Delhi; Centre for International Co-operation in Science (CICS), Chennai and DBT, New Delhi for attending World Conference on Pharmacology at Brisbane, Australia held from 20th to 22nd July 2015.

Visitors

1. Dr Meenakshi Chandra Sekar, Professor, College of Pharmacy, University of Findlay, USA delivered a talk on "Career Opportunities in Pharmacy profession in USA" on July 16, 2015.
2. Dr Mahesh Burande, President APTI, visited Manipal College of Pharmaceutical Sciences on 28 August 2015. He was invited for a talk and interaction with students, research scholars and faculty members. The focus of Dr Burande's talk was to inculcate pride of profession in pharmacy professionals. He elaborated upon the various opportunities in pharmacy and described the role that could be donned by pharmacy students in areas like drug distribution, synthesis, formulation etc. One of the highlights of his address was the use of clean white aprons that portray the noble profession. The interaction was rewarding, providing much insight into the laws and practices of pharmacy. Manipal College of Pharmaceutical Sciences looks forward to such interactions with Dr Burande in future.
3. Dr Hiren Patel [Vice President, Orbicular Pharmaceutical Technologies Pvt. Ltd., Hyderabad] and Dr Prasanna Sagar, [General Manager, R&D, Gland Pharma, Hyderabad] interacted with students on 26 September, 2015 by giving them valuable

career guidance. The interaction was regarding the recent happenings in companies and emphasizing upon the demands of pharmaceutical industries for post-graduates and PhD scholars. The session provided an insight into the norms of preparedness for a candidate and the requirements of the company to look for in a graduate. Dr Patel shared his success stories, indicating the pivotal role of team work. He convinced students not to miss an opportunity to join industry. They should have technical skill and decision making as prime qualities. Topics discussed were qualifications for the placement, blooming areas in industries, importance and growth of QA department, R & D, production and regulatory department.

4. Dr Pankaj B Desai, Professor of Pharmacokinetics and Biopharmaceutics, Director, Drug Development Graduate Program, The James L Winkle College of Pharmacy, University of Cincinnati, USA, delivered a lecture on "Pharmacokinetics and Translational Studies in Oncology Drug Development" on 22 September 2015 in Prof PGR Conference Hall, MCOPS.

Students' corner

BPharm Students on an exchange program to University of Brighton, UK

Ms Mayura Das and Mr Ramakrishnan V S, meritorious students of final year BPharm attended a short-term training program for two months during June-July 2015 at University of Brighton, UK. Dr Anantha Pannala, Faculty of Pharmacy in Pharmaceutics, School of Pharmacy and Biomolecular Sciences, University of Brighton guided them. They achieved training and hands-on experience in the areas of oxidative stress and development of fast dissolving films. Dr Pannala is happy with the performance of Ms Mayura and Mr Ramakrishnan and is keen to continue student exchange programs with MCOPS, Manipal University, Manipal.

PharmD student qualifies Karnataka Biotechnology Aptitude Test

Ms Zoya Ahmed (PharmD Intern), Department of Pharmacy Practice has been selected for Biotechnology Finishing School (BTFS), a 12-month post graduate diploma with a fellowship from Department of Biotechnology. BTFS is a unique initiative of the Government of Karnataka in collaboration with DBT, New Delhi. The selection process included the online test (KBAT) followed by an interview. The program comprises 6 months each of academic training and internship in an industry. The program is designed to equip the graduate and post graduate students with appropriate employable skills in the industry.

ALUMNI DIGEST

"I am incredibly grateful for my stay at MCOPS, for it laid my foundation as an independent research investigator. What fascinated me most about the program was its seamless structure and execution. Great combination of didactic course work backed with a myriad of practicums and a very supportive faculty helped me prepare myself for a successful research career abroad. More importantly my peers were a big support system who taught me teamwork and helped me navigate through difficult times. It always felt like home away from home".



Priyanka Garg, PhD
Post-doctoral Fellow
Stanford University, School of Medicine
Grant Building, Room S-114
Stanford, CA 94305-5454
USA
pgarg2@stanford.edu

UPCOMING EVENTS

National Seminar on Nanomedicines, 17-18 October, 2015

Nanomedicines/ nano-pharmaceuticals have been considered to provide various advantages over the currently used dosage forms. The present National Seminar will be focused to educate the professionals of health sciences with these issues. This seminar will provide an overview of – i) Preparation and characterization, of nano-pharmaceuticals ii) Applications of Nano-pharmaceuticals iii) Regulatory, IPR and ethical issues iv) Commercialization & marketing of Nano-pharmaceuticals The National Seminar will be conducted on 17 and 18 October, 2015 in Manipal College of Pharmaceutical Sciences