



MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES MANIPAL

(A constituent unit of MAHE, Manipal) - The most sought-after for pharmaceutical education and research

Ad Meliora

a biannual newsletter

Vol - 6
Issue - 2
Jul - Dec
2019



Programs: DPharm | BPharm | MPharm | PharmD | PharmD (PB) | Doctoral



Editor

Dr Rekha R Shenoy

Editorial board

Dr C Mallikarjuna Rao
Dr M Sreenivasa Reddy
Dr Usha Y Nayak
Dr Angel Alex
Dr Vijaya Bhaskar
Dr Bhavana Bhat
Dr Chandrashekar KS
Dr Sonal Sekhar
Mrs Athira R Nair

Designed By

Mr Akhil Suresh

COLLEGE EVENTS

D.Pharm, B.Pharm and Pharm.D Orientation

Manipal College of Pharmaceutical Sciences organized the orientation programme for the freshmen of DPharm/ BPharm/ PharmD courses on July 15 and 16, 2019 at Dr. TMA Pai Auditorium, Manipal. The programme was inaugurated on July 15 at the hands of the Chief Guest, Dr. H Vinod Bhat, Vice-Chancellor, MAHE, Manipal. Dr. Poomima Baliga, Pro Vice-Chancellor (Faculty of Health Sciences), MAHE was the Guest of Honor for the inaugural program.

"We change the landscape, and we create opportunities," said Dr. H Vinod Bhat while talking about the genesis of Manipal in his inaugural speech. Remembering Dr. TMA Pai, the founder of Manipal, Dr. Bhat said that the birth of private education in India took place in Manipal. Giving an overview of MAHE and its campuses, he also highlighted on opportunities available at MAHE. Dr. Poomima Baliga congratulated students for choosing the best pharmacy college in India. She said 'change is must and do not be scared of change'. She also emphasized on importance of both curricular and co-curricular activities to develop a full-fledged personality. Dr. C Mallikarjuna Rao, Principal, Dr. M Sreenivasa Reddy, Vice Principal, MCOPS and Dr. N Udupa, Director-Research (Health Sciences), MAHE, graced the occasion.

Later Dr. Rao gave an overview of the college and its under-graduate courses. The two-day orientation programme provided information regarding the curriculum, campus life, and opportunities and facilities at Manipal Academy of Higher Education. Along with the design of syllabus, students were educated about the rules and regulations, extracurricular activities, and opportunities to explore their talent. The induction programme facilitated the students seamlessly through the campus facilities and helped in building a network of resources to start their academic sojourn.



PG Orientation

MCOPS organized the orientation program for the MPharm/ PharmD Post Baccalaureate freshmen on July 17, 2019. The program was inaugurated by the Chief Guest Dr. H S Ballal, Pro-Chancellor, MAHE. Dr. C Mallikarjuna Rao, Principal welcomed the gathering and gave an overview of the Master's program. Dr. Ballal, in his inaugural address, expressed gratitude for choosing MCOPS as a destination to pursue MPharm. He said MAHE is known for providing quality education without any compromise. Merit is the only dictum to the students and faculty for getting into MAHE, he said. He advised students to utilize the facilities and to explore the opportunities in the campus. He cherished the Institute of Eminence status of MAHE and reinforced the responsibilities of every

MAHE member to maintain the status.

Dr. G Gautham Shenoy, Professor, MCOPS delivered the vote of thanks. After the inaugural program, Dr. D Sreedhar, Coordinator, Placement Cell, MCOPS provided information regarding student placement. Later, sessions on paperless digital examination, student life cycle management was conducted by Dr. KB Koteswara, Coordinator, Academic Council, MCOPS. Dr. N Udupa, Director-Research (Health Sciences), MAHE and D Niyathi Saroha, President, MAHE –Student Research Forum briefed about various research activities of MAHE. Dr. C Mallikarjuna Rao gave academic orientation to the students in the afternoon session.



DAYS OF IMPORTANCE & CLUB ACTIVITIES

Students' visit to APPS, Indonesia 2019

About twenty-three students' from MCOPS represented Manipal Association of Pharmacy Students (MAPS) in the 18th Asia Pacific Pharmaceutical Symposium (APPS) held from 6 to 13 July 2019, in Bandung, Indonesia. MAPS was the 3rd largest delegation among 350+ delegates from Asia Pacific member associations of International Pharmaceutical Students Federation (IPSF).



The symposium was a balanced combination of academic and cultural events. Students took part in workshops and symposiums. The

workshops included hands-on training in the formulation of anti-aging products, soap making, pharmacovigilance, patient counseling, poster presentation, regional assembly, etc. The participants worked together to draft a solution paper to deal with tobacco-related mortality and morbidity in Asia Pacific countries. These programs were followed by cultural programs in the evening like Indonesian night, international night and gala night, etc., where the participants got to experience and witness the cultures and traditions of different countries. Overall it was a wonderful experience for our students both academically and culturally. Students interacted with other student delegates from all around the world and learned a lot about the profession of pharmacy education and opportunities in other countries. Attending such programs will instill a sense of respect and appreciation towards the profession.

PG Research Orientation

PG research orientation was organized by Innovative Communication Club (I2C), MCOPS on 3rd August 2019. The main objective of the orientation program was to introduce various aspects of research to MPharm freshers so that they comprehend and apply them during their research work.

The event started with an invocation song rendered by Ms. Sri Pragnya followed by inauguration by Dr. N Udupa, Director Research (Health Sciences), MAHE. Dr. Udupa addressed the event and briefed about various opportunities in the field of Health Sciences research. Dr. Nandakumar spoke on 'Choosing the Research Problem', Dr. Gautham Shenoy on 'Good Documentation Practices', Dr. Surulivel Rajan, spoke on 'Global Trends in Research', Dr. Yogendra Nayak, on 'Literature search' and 'Publishing a Research Paper', Dr. Vijayanarayana, spoke on 'Citing the References' and Dr. Virendra Ligade, spoke about 'Presentation Skills'. At the end, Ms. Keerthi Priya, President, I2C briefed about the various activities of I2C. The program was very effective as evidenced by the pre-test and post-test conducted.



Workshop on 'Effective Literature Search using Electronic Resources

Innovative Communication Club (I2C) of MCOPS organized a hands-on workshop on 'Effective Literature Search using Electronic Resources' on 3rd August 2019 for the benefit of newly joined Research Scholars and second-year PG students.

The first speaker was Dr. Shivananda Bhat, Associate Professor, Department of Library and Information Sciences and Chief Librarian, Health Sciences Library, MAHE, Manipal. Dr. Bhat elucidated various options available at library portal webpage. The talk was followed by Dr.

Mahabaleshwara Rao, Associate Professor, Department of Library and Information Sciences and Dy. Chief Librarian, Health Sciences Library, MAHE, Manipal. Dr. Rao described about the 'Single Window Search' option in the library portal and how one can effortlessly search for the required material through it. He demonstrated the access to A-Z e-resources including e-journals, e-books, publishers, e-databases, EPAC, etc. and how one can login into the same.



Dr. M Sreenivasa Reddy, Vice-Principal, MCOPS felicitated the speakers. Mr. Gangadhar Hari and Ms. Keerthi Priya, I2C council members, coordinated the program.

Full IPSF Membership to MAPS

MAHE Association of Pharmacy Students (MAPS), MCOPS, MAHE has obtained full membership of International Pharmaceutical Students' Federation (IPSF). This will boost the activities of MAPS and MCOPS' recognition at global level. The Full membership was accepted on August 3, 2019 during 65th IPSF World Congress - Kigali, Rwanda 2019.



MAPS, a student body of Manipal College of Pharmaceutical Sciences, Manipal, was the first student organization in the country to be granted recognition by the International Pharmaceutical Students' Federation (IPSF), MAPS was accorded membership during the 62nd IPSF General Assembly held at Harare in Zimbabwe in August 2016. Within three years of recognition by IPSF, MAPS succeeded in obtaining the full membership of IPSF. The efforts of all the present and past council members of MAPS are highly appreciated.

Independence Day

MAHE celebrated the 73rd Independence Day on August 15, 2019 by

hoisting our national flag. MCOPS marched with great synchronization and exhibited their galore. The day ended by planting saplings with a promise of greener and a healthier Manipal.



Genesis 2019

The Inaugural function of MCOPS student's council, MAPS (MAHE Association of Pharmacy Students), - Genesis, was on 12th August 2019. The event commenced with the invocation by Ms. Chaitanya. The program was inaugurated by lighting the lamp by the chief guest Dr. Geetha Maiya, Director-Student Affairs, MAHE; Dr. C Mallikarjuna Rao, Principal, MCOPS; Dr. M Sreenivasa Reddy, Vice Principal, MCOPS; Dr. N Udupa, Research Director (Health Sciences), MAHE and Dr. Krishnamurthy Bhat, Coordinator, Student Affairs Committee, MCOPS. Dr. Geetha Maiya addressed the gathering and sensitized on road safety measures and substance abuse. She also cautioned the students on misusing social media.

Mr. Gaurav Kandoi, the general secretary of the student council, briefly introduced the committees. Mr. Ayush Menon, President of MAPS, spoke about his vision for the year 2019-20. He also emphasized other areas such as research and exploring new avenues. Addressing the function, Dr. C Mallikarjuna Rao talked about the importance of extracurricular activities in a student's life. He said that Genesis was the impetus to MAPS activities for the following year.

The annual college Magazine, 'Ab Aeterno' meaning from time immemorial, was launched by Ms. Suneetha and Ms. Raveena, and they spoke about their journey in the editorial council. The formal event came to an end with the vote of thanks by Ms. Fatimazahra Moledina, the Vice President of MAPS.



Teachers' Day

In honor of the birth anniversary of Dr. Sarvepalli Radhakrishnan, a great teacher and philosopher, Manipal College of Pharmaceutical Sciences, celebrated Teachers' Day with much zeal and enthusiasm on September 5, 2019. The students of MCOPS organized the Teachers' day at their respective departments.



World Pharmacists Day

On the account of World Pharmacists Day, the Community Development Committee of MAPS organized Patient Counselling session at various Pharmacies in Manipal (OPD pharmacy, Women and children block pharmacy, KMC, Radha medicals and Manipal Drug House) on 25 September, 2019. This year's theme was 'Safe and Effective Medicines for All'. Patients were explained about when and how to use each drug and were cautioned about the adverse effects. They were also provided with a Patient Information Leaflet explaining side effects of OTC drugs, safe antibiotic use and medical adherence. Members of CDC put in a lot of efforts to help as many patients as possible and donated in return to the community.



Daan Utsav

MCOPS celebrated Daan Utsav on 2nd and 4th October 2019 at college premises. Various activities including games for the students/staff were conducted on 2nd October.



On 4th October, Seva Ka Saath, offering a helping hand to the housekeeping staff, wherein volunteers took over the morning cleaning duties of the housekeeping staff to lessen their workload. The project was followed by 'Coffee with Dr. Mallik'- conversations over coffee with the principal, Dr. C Mallikarjuna Rao. In order to raise awareness about single use plastic ban, reusable cloth bags were distributed. The event ended with a group photo where each one is showcasing the happy dots on their fingers and happiness on their faces!

Sanskriti 2019-20

Sanskriti, the cultural fest of MCOPS was inaugurated on September 30, 2019 by Dr. N. Udupa (Director Research – Health Sciences). There were 34 events in total conducted on 5 days. The finale was held on 5th October, 2019 at Dr. TMA Pai hall, KMC, Manipal. Dr. Sreenivasa Reddy (Vice Principal MCOPS), Dr. N. Udupa (Director Research – Health Sciences), Dr. Hebbar (Associate professor, Centre for Integrative Medicine and Research) gave away the trophies to the winners.



National Pharmacy Week

On the occasion of National Pharmacy Week, CDC in collaboration with Department of Community Medicine, KMC, conducted a CPR and Basic First aid training session on the 30th of October.



The workshop was conducted by Dr. Divya Pai and Dr. Ashwini Kumar, additional professor, KMC Manipal. Dr. Divya explained the difference between a cardiac arrest and a heart attack thereby teaching how to carry out a CPR (Cardiopulmonary resuscitation). The second half of the workshop was taken by Dr. Ashwini Kumar for the training of Basic First Aid. Participants were given various tips on how to deal with everyday injuries like muscle cramp, snake bites, fractures, seizures, fainting, etc. This one-hour workshop taught us about the basic steps we can take to save a life.

Rashtriya Ekta Diwas



Sardar Vallabhbhai Patel must always be remembered for his work in shifting our momentum from a Rashtra focused nation to a Rajya one. He was one of the founding leaders of the Republic of India. To pay homage to this great man a pledge was recited by the students and staff assembled on October 31, 2019. Students attended in large numbers and promised to dedicate their thoughts and actions to preserve and strengthen unity, integrity and security of the nation.

Street play by The Dramebaaz Company

The Dramebaaz Company – with tagline “Find Your Spotlight” was opened by the students of MCOPS led by G.V.Sai Kumar, Suraj Bhatnagar, Jishnu Kannothe, Disha Shetty, Komal Sharma, Winona Saldanha, Archit Koul and Prabhat Mishra.



The first performance of the club - Street play was conducted on Marital Rape “Kalank” on, 12th October 2019 in front of KMC food court. Large number of students came and watched the show.

Interactive Session

Council for Internationalization, MCOPS arranged an interactive session on November 18, 2019. The speaker, an alumnus, who just completed BPharm- Mr Naman Gupta, shared his experiences of securing the prestigious Australia Awards Scholarships to pursue his higher education in Australia. Naman obtained his admission in Pharmacy Australia Centre of Excellence (PACE), University of Queensland (UQ), one amongst the top universities (Ranked 48 in QS world rankings and 4th in Australia).



The scholarship from government of Australia will take care of his entire educational expenses in Australia. This is the first of its kind in India in general and in MAHE in particular. Naman is one amongst the nine successful candidates and the only pharmacy graduate from India to clinch this distinguished scholarship.

CONFERENCES, WORKSHOPS & SEMINARS

AICTE Sponsored FDP, 19-31 August 2019

AICTE Sponsored Faculty Development Programme (FDP) on 'Conduct of Research and Publication Ethics' was organized by Department of Pharmacology, MCOPS, MAHE, Manipal during 19-31 August, 2019. The program was inaugurated by Dr. H Vinod Bhat, Vice-Chancellor, MAHE on 19 August 2019. The entire FDP comprised 12 modules to train faculty on the conduct of research and publication ethics. Over 15 resource persons were invited from industry and reputed academic institutions. More than 65 deliberations, and hands-on sessions were conducted. The programme was facilitated with WiFi-enabled hall with access to internet and MAHE library. The valedictory program was conducted on 31 August 2019. Dr. N Udupa, Director-Research, Health Sciences, MAHE was the chief guest.



The programme was coordinated by Dr. Yogendra Nayak, Associate Professor, Department of Pharmacology, MCOPS. A total of 65 delegates registered for this programme.

Continuing Pharmacy Education Program

A Continuing Pharmacy Education (CPE) on "Anti-Microbial Resistance Awareness in Community Pharmacists" (A multi-disciplinary approach to combat Antimicrobial Resistance through Education) was organized by Department of Pharmacy Practice, MCOPS, in association with Drugs Control Department, Udupi and Udupi District Chemist and Druggist association at Conference Hall of Shirdi Sai Baba Cancer Hospital & Research Center, Manipal on 24th Aug 2019. Dr. Avinash Shetty, Medical Superintendent, Kasturba Medical College, Manipal was the chief guest for the program. Guest of honor for the program was Sri Manohar Shetty, Proprietor of Sri Sai Radha



The CPE program began with a welcome address from Dr. Mahadev Rao, Head, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences. Key note address for the CPE was given by Sri. K V Nagaraj, Assistant Drug controller, Udupi on the topic "Antimicrobial sales regulation". This CPE program covered 3 major relevant topics such as antimicrobial resistance, community pharmacist role in antimicrobial resistance, type of antibiotics and their usage by Dr. Girish Thunga, Dr. Mahadev Rao and Dr. Surulivel Rajan M, respectively. Around 130 practicing community pharmacists from Udupi district attended this program and felt this helped to maintain and enhance their competence on antimicrobials. The conference received an overwhelming response from participants. Vote of thanks and concluding remarks were given by Dr. Girish Thunga, faculty, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences.

AICTE Sponsored FDP, 23 Sept – 05 Oct 2019



AICTE Sponsored Faculty Development Programme (FDP) on "Pharmacy Teachers' Pedagogical Knowledge and the Pharmacy Teaching Profession" was organized by Dept. of Pharmaceutics, MCOPS, in association with Centre for Continuing Education and Interprofessional Development (CCEID) during 23 Sept to 05 Oct 2019. The program was inaugurated on 23 September, 2019 by Dr. H Vinod Bhat, Vice Chancellor, MAHE. Dr. C Mallikarjuna Rao, Principal, MCOPS and Dr. AM Ciraj, Deputy Director, CCEID. "Teachers should never stop learning", said Hon. Vice Chancellor of MAHE Dr. H Vinod Bhat. During this two-week program various talks on basic and advanced pedagogy skills such as Changing Paradigms in Pharmacy Education', Design Thinking/Capacity Building in Higher Education', Outcome based learning, Managing Conflicts, Student attitudes, Assessment, Question paper setting, etc. were delivered by the academic experts. The program was coordinated by Dr. M Sreenivasa Reddy, Professor & Vice-Principal, Dept. of Pharmaceutics, MCOPS. About 40 faculty from various institutes across India participated in this program.

AICTE sponsored QIP 4-16, November, 2019

AICTE sponsored Quality Improvement program (QIP) on "Drug Discovery and Analytical Techniques: An update on Education and Research" was held during November 4-16, 2019. The program was organized by Department of Pharmaceutical Quality Assurance and Department of Pharmaceutical Chemistry. The program was inaugurated on November 4, 2019 by the chief guest, Dr. Narayana Sabhahit (Registrar, MAHE). Dr. Narayana Sabhahit stressed on the role of teachers, quality of an institute and development of research in the country. Dr. Mallikarjuna Rao (Principal, MCOPS) gave an introductory speech. Various resource persons from industry and academia delivered talks. Demonstrations of sophisticated instruments were also arranged in the afternoon sessions. The valedictory program was held on

November 16, 2019. Dr. MNA Rao was the chief guest. Certificates of participation were distributed to the delegates who participated in the week long Quality Improvement program. Delegates from various pharmacy colleges, faculty, research scholars and M.Pharm students attended the program.



Workshop on PBPK

The Physiologically Based Pharmacokinetic Modelling (PBPK) workshop was inaugurated by Dr. C Mallikarjuna Rao, Principal, MCOPS, Manipal. The resource persons for the workshop were Dr. Aruna Dontabhaktuni, Founder & CEO of Pharma PRO Consulting and the Scientific Director of "Project Dontabhaktuni", USA and Dr. Rakesh Gollen, Director of Pharmacokinetics, Synteract Inc. USA. The speakers briefed the process of drug development and its regulatory requirements with insights into the application of pharmacometrics in various phases. Dr. Aruna briefed on the project Dontabhaktuni a non-profit organization created to support upcoming scientists from countries like India and South Africa through workshops/training and free mentoring programs. Dr Gollen provided hands on training to all the delegates introducing various components of the PKSIM® software with example models for practicing. Overview of PBPK, PopPK modeling was also discussed later. Various models explaining the applications of PBPK were demonstrated with respective homework for self-practice. The workshop was organised by Dr. Mahadev Rao, Dr. Surulivelrajan M and Dr. Rajesh V, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, with support of Society for the study of Xenobiotics, India and Project Dontabhaktuni. Forty participants from Industry and academia participated in the workshop.



Workshop on Design Thinking

A workshop on "Design Thinking" was organized jointly by Department of Pharmacy Management, MCOPS, MAHE and ISPOR Manipal Student chapter on October 11, 2019. Mr. Anil D'Souza (Senior Manager, HRD, MAHE, Manipal) introduced the concept of "Design Thinking" to the audience. Dr. Manthan Janodia (Professor and Head, Department of Pharmacy Management, MAHE, Manipal) introduced the guest to the

audience.

Mr. D'Souza commenced the session by putting forth some quirky riddles, which compelled the audience to come up with creative answers. He then proceeded with an interactive session filled with new ideas, stories and thoughtful exercises to explain the concept of Design Thinking. The session was well appreciated by the audience and the message of thinking out-of-the-box in every sphere of life was well communicated by Mr. D'Souza.



Seminar on 'Health Economics and Outcomes Research'

ISPOR Manipal Student Chapter and Department of Pharmacy Management, MCOPS, MAHE, Manipal organized one day seminar on November 19, 2019 on the theme "Recent Advances in Health Economics and Outcomes Research". The program was inaugurated by Dr. N Udupa, Director Research (Health Sciences), MAHE, Manipal.

Mr. Lalith Mittal, Associate Manager in the Department of Global Patient Outcomes and Real-World Evidence at Eli Lilly and Company, Bangalore, Dr. Uday Venkat Mateti, Assistant Professor, Department of Pharmacy Management and Faculty Advisor of ISPOR Nitte, NGSM Institute of Pharmaceutical Sciences, Nitte, Mangaluru, and Dr. Chythra R. Rao, Associate Professor, Dept of Community Medicine, Kasturba Medical College, MAHE, Manipal were the speakers for the event.



AICTE Sponsored STTP, 04 – 10 December 2019

AICTE Sponsored Short Term Training Program (STTP) on 'Concept and Implementation of Quality by Design for Pharmaceuticals' was organized during 4 – 10 December 2019 by the Department of Pharmaceutics, MCOPS, MAHE, Manipal. Dr. PLNG Rao, Pro Vice Chancellor (Quality Assurance) MAHE, Manipal inaugurated the program on 04 December 2019. Dr. Rao, in his inaugural address, said that quality for consumers is the effectiveness and affordability of medicines. Hence, quality is of paramount importance to meet this requirement. Dr. C Mallikarjuna Rao, Principal, Dr. M Sreenivasa Reddy, Vice-Principal were present during this program.

Various resource persons from industry and academia shared their experience during this one week. The program included theoretical aspects of quality by design and hands-on sessions on design of experiments. The

STTP concluded on 10 December 2019 with the valedictory ceremony. Dr. M Sreenivasa Reddy, Vice-Principal, MCOPS, was the Chief Guest for the program. About 80 delegates attended the program. Dr. Usha Y Nayak, Associate Professor, Dept. of Pharmaceutics, MCOPS, coordinated this one-week STTP program.



MCOPS Alumni Cricket Lovers Reunion 2.0 (MCLR 2019)

Twenty five alumni from different batches of MCOPS with cricket being the passion came down to Manipal for the 2nd edition of re-union cricket match-MCLR 2.0-MCOPS Alumni Cricket Lovers Reunion 2.0 on December 29, 2019 at MAHE, Manipal. In the morning, a campus tour was organized followed by a hard ball 20-20 cricket match at MIT Cricket Ground, Manipal. An alumni reunion and fellowship was organized in the evening. Alumni had initiated and organized a half day Continuous Pharmacy Update and skill building activity for Pharmacy students titled- "Manipal Pharmacy Conclave" on the 30th of December.



Manipal Pharmacy Conclave 2019



As part of Continuous Pharmacy Update and skill building activity for Pharmacy students and faculty, a group of MCOPS alumni had initiated and organized a One day "Manipal Pharmacy Conclave (MPC)" on 30 December 2019 at MCOPS. Various resource persons from reputed Pharmaceutical Industries shared their expertise and current industry trends with the 170

participants from MCOPS and nearby colleges. The Symposium was inaugurated by planting a sapling at MCOPS premises by the alumni in presence of Dr. N Udupa, Research Director, MAHE. Later, Dr. Arun Maiya, Dean, MCHP formally inaugurated the session in presence of Dr C Mallikarjuna Rao, Principal, MCOPS. The first session involved talk by industry experts on theme: Recent Trends in Pharmaceutical Industries. This was followed by a Panel Discussion on theme: Capacity building on Pharmacy students to meet the industry needs. The last session was a one-on-one meeting of the delegates with the resource persons with the theme: Self Introspection. 25 alumni from nearly 14 top pharmaceutical industries from India and abroad participated in the deliberations.

GUEST LECTURES

Guest Talk by Ms. Usha Rani



Innovative communication club, MAPS, MCOPS organized a guest talk on "Improve your productivity through meditation" delivered by Ms. Usha Rani, Assistant Prof, Department of Health Innovation, Prasanna School of Public Health, MAHE on 22nd August, 2019. She is a trainer for UNICEF capacity building projects and Public Health Emergencies by Government of India. Dr. Sreedhara R. Pai, Head, Department of Pharmacology felicitated the speaker. Ms Keerthi Priya coordinated the program.

Guest Talk by Ms. Pearl D'Souza



Council for Internationalisation, Manipal College of Pharmaceutical Sciences, Manipal organized a Guest Lecture on November 15, 2019. Ms. Pearl D'Souza, Clinical Lead and Consultant Pharmacist, Boots, London spoke on- "What a Career as a Pharmacist means - Expectation versus Reality". She mentioned about the bridge courses, training sessions and various licensing

examinations to be completed in order to practice Pharmacy in UK. She also briefed the students about the job roles of a Pharmacist in UK.

Guest Talk by Dr. Suhaj Abdulsalim

Dr. Suhaj Abdulsalim, Assistant Professor, Dept. of Pharmacy Practice, Unaizah College of Pharmacy, Qassim University, Qassim, Kingdom of Saudi Arabia and former faculty of Department of Pharmacy Practice, MCOPS delivered a talk on "Pharmacy Education and Job Opportunities in Middle East" on 19th July 2019 at PGR Hall, MCOPS. During the talk, he enlightened the students regarding the educational approaches practiced in Saudi Arabia such as the use of team-based learning and simulations.

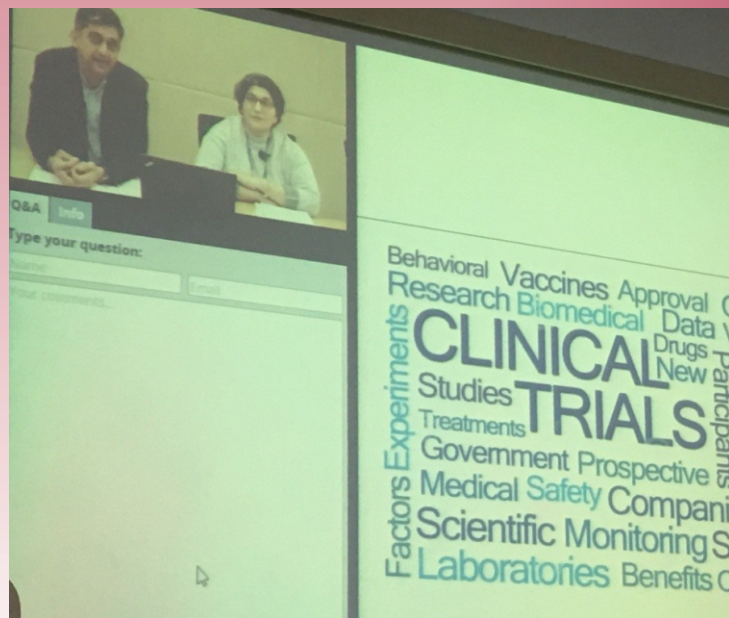


Guest Talk by Dr. G Subramanian

Department of Pharmaceutics, MCOPS organized a guest lecture by Dr. G Subramanian from Sandoz, Germany on 7 August 2019 at Prof. P. Gundu Rao Hall, MCOPS. 'Biosimilars or Biologics is now the hub of the current pharma giants' - with this brief tag line, Dr. Subramanian who was previously in Research and Development in Novartis, and presently in Sandoz, Germany delivered a talk on development of biosimilars and how current pharmaceutical industry in global scale is more focused on the said field. With a brief introduction of what are biosimilars, the importance of the concept of immune oncology was the domain which he stressed upon. Also, the role of Antibody-Drug conjugates, Magic bullets as a biosimilar was being discussed. On an ending note he discussed the domain of Precision Medicine and Narrow therapeutic indices as the hub of biologics. Faculty, PG students and research scholars attended the talk in large numbers. Students interacted with Dr. G Subramanian and clarified their doubts. Dr. M Sreenivasa Reddy, Vice-Principal, MCOPS coordinated the event.



The first-of-its-kind webinar was organized by the Department of Pharmacy Practice on 9 August 2019 in MCOPS in collaboration with Sanofi India Limited. Ms Yasmin Shenoy (Senior Director- Regulatory Affairs, Sanofi India Limited) and Dr. Chirag Trivedi (Director and Head of Clinical Study Unit India and Southeast Asia cluster, Sanofi India Ltd. and President of Indian Society for Clinical Research) gave an update on the rules governing Drugs and Clinical trials as notified by the Union Ministry of Health and Family Welfare in March, 2019. Mr Vinay Ivaturi (Senior Business Development Manager, Sanofi India limited, Bangalore Headquarters) and Mr. G Prasad (Senior Scientific Sales Executive, Sanofi India Limited, Mangalore Headquarters) were members present from the Sanofi team. Over hundred participants attended the session.



Guest Talk by Dr. Anila

Dr. Anila, Nodal Officer, Karnataka State, Pradhan Manthri Bharathiya Janaushadi Pariyojana, Bureau of Pharma PSUs of India (BPPI), Govt of India, delivered a lecture on "Awareness program on opportunities and various schemes" for first and second year DPharm students on 13 August 2019. Dr. Anila who takes care of three southern states, spoke on advantages of Govt of India's scheme that is helping the needy and deserving patients throughout India. She also gave an overview of functioning of Janaushadi Kendras across Dakshina Kannada and Udupi Districts. Dr. Girish Pai K, Coordinator, GMP Unit, MCOPS introduced Dr. Anila to the students and felicitated her with a memento as a token of respect. Mr Harish, Pharmacist by profession and an alumnus of MCOPS, who runs Janaushadi shop in Udupi was also introduced to the students. Mr Harish shared his positive experience in running Janaushadi Kendra. The program was organized by GMP Unit, a unit under the aegis of Toxicovigilance and Drug Safety Centre, MCOPS. 60 students of D Pharm attended the awareness program.



Guest Talk by Dr. Puja Chebrolu

Department of Pharmacy Practice organized a Guest Talk on "Hyperglycaemia and Nutrition" by Dr. Puja Chebrolu on 23 August 2019 at PGR Hall, MCOPS. Dr. Chebrolu is a global health research fellow and hospital medicine physician from Weill Cornell Medical College. She is interested in the phenomenon of diabetes in lean people and is currently studying gestational diabetes at Sassoon Government hospital in Pune, India. During her talk, she addressed the issues and risk factors of diabetes in Asian population, especially Indians. Dr. Chebrolu also emphasized upon dietary modification to reduce the burden of diabetes.



Guest Talk by Dr. Ranajit Das

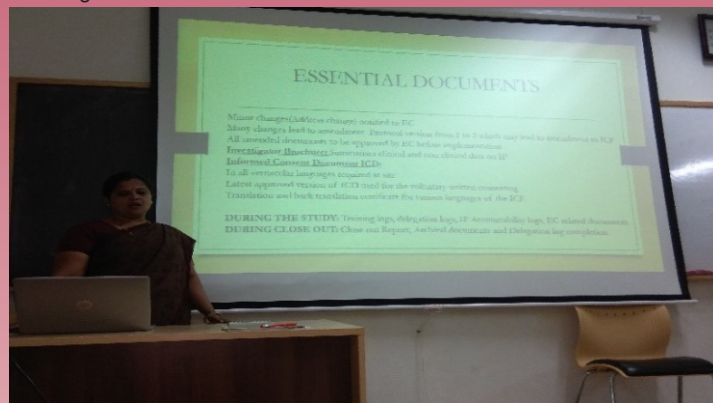
A guest lecture was organized on August 27, 2019 by the Department of Pharmaceutical Chemistry. The speaker was Dr. Ranajit Das, Assistant Professor, Centre for Natural Sciences, MAHE, Manipal. He spoke on the topic "The Elusive ancestry of Indians and its implications on genomic healthcare and developing ancestry-specific medicines". Dr. Das's current research focuses on tracing the ancestral origin and bio-geographical affiliation of various human and endangered animal populations and deducing Ancestry Informative Markers (AIMs) for the same.



Guest Talk by Mrs. Vijayalaxmi

A guest lecture was organized jointly by department of Pharmacy Management and ISPOR-Manipal student chapter on September 20, 2019. The speaker was Mrs. Vijayalaxmi, Study Co-ordinator II, Manipal Centre of Clinical Research, MAHE. The speaker enlightened the students with her practical knowledge in the field of "Clinical trials", its process and various other aspects. She shared her experiences during the informed consent process. She mentioned the role of investigators and the importance of Investigator's Brochure. She sensitized on the regulatory aspects and sponsorship of clinical trials. Dr. Manthan Janodia

welcomed the speaker. Dr. Bhavana introduced the speaker and presented a token of gratitude at the end of the talk.



Guest Talk by Mr. Hitesh Ahuja

A guest lecture was organized on 26th September, 2019 by the Department of Pharmaceutical Chemistry. The speaker was Mr. Hitesh Ahuja, an alumnus of MCOPS who is presently working as Manager - Global Alliance Management, Fresenius Kabi, Gurgoan. He spoke on the title "Trends and Future in Pharmaceutical Industry". The faculty, post graduates and research scholars of the department took part in the discussion. Mr. Ahuja covered various aspects of research and development in the Pharmaceutical industry. He shared his experience in the Pharma Industry and what the industry expects from fresh graduates. He also gave information on the opportunities to study abroad.



Guest Talk by Dr. Manesh Thomas

A Guest lecture on "Entrepreneurship" was organized by the Department of Pharmaceutics at Dr. P Gundu Rao Conference Hall, Manipal College of Pharmaceutical Sciences, MAHE, Manipal by Dr. Manesh Thomas on October 17, 2019. Dr. Manesh Thomas, Chief Executive Officer at Manipal-Government of Karnataka Bio-incubator (GoK-Bio-incubator), explained the possibilities of "Entrepreneurship" at (GoK-Bio-incubator).



Dr. Manesh Thomas introduced Manipal-Government of Karnataka Bioincubator to the audience and explained the facilities available at the center.

He then gave an overview about the funding opportunities offered by different government funding agencies at different levels of start-ups. He also explained the process of selection and various mentoring support available at the center to support the entrepreneurs and how Manipal GoK bio incubator supports the process of translation of novel ideas into commercially valuable start-ups. Mr Vandith, who is part of GoK-Bio-incubator also took part in the discussion and explained about the opportunities available at GoK-Bio-incubator.

Guest Talk by Mr. Santhosh Pawar

Department of Pharmaceutical Chemistry organized a seminar-cum-presentation on Glassco glassware. Demonstration of Wi-fi instruments was performed by Mr. Santhosh Pawar, Product Head (India) Glassco on October 12, 2019 in Dr PGR Conference Hall ground floor, MCOPS.

Mr. Pawar began his presentation with a video on 50 years of Glassco Company manufacturing unit. He then discussed the different types of glasses, its quality, preparation and usage. The audience found it informative and learnt the differences in glassware quality.



GlaxoSmithKline Guest Lecture

Manipal Academy of Higher Education and GlaxoSmithKline (GSK) signed a MoU on academic activities. There was a meeting with the officials of GSK on October 26, 2019 to discuss the plan of action. Mrs. Priya Rajagopal and Dr. Sam T Mathew from GSK interacted with the principal and heads of different departments of MCOPS. Dr. Mallikarjuna Rao, Principal, MCOPS briefed the guests about the activities and achievements of the institute. He expressed the views of the institute and expectations of MCOPS on possible avenues of joint activities. Mrs. Priya presented an overview of the industry and their operations in India and the events that are in progress with MAHE and its statistics department.



They also have expressed their interest to give internship opportunities to students of MCOPS and offered resources to organise guest lectures and workshops for the benefit of students of MCOPS at large. Also contemplating

the possible collaborations in mentoring doctoral students of GSK.

After the meeting, Dr. Sam interacted with the students and faculty of the department of Pharmaceutical Biotechnology.

Guest Talk by Mr. Robin George

Mr. Robin George, Consultant Pharmacist, Head of Professional Services, E-Nova, UK delivered a talk on "Pharmacy Profession in United Kingdom" on 28th October 2019 at PGR Hall, MCOPS. The guest talk was organized by Department of Pharmacy Practice, MCOPS. During the talk, he enlightened the students regarding the practice of pharmacy and opportunities in UK. Following which he gave an overview on specialty pharmacy and role of pharmacist in various clinics such as anticoagulant clinic, etc. He highlighted the importance of preparing for one's career after the completion of pharmacy course. Mr. Robin provided information on the necessary steps to be taken to become a practicing pharmacist in UK. Several years of experience in the community pharmacy field has earned him good communication skills and professional reputation. He even mentioned about independent prescribing rights of pharmacist in UK.



Guest Talk by Dr. Y Ashokraj

Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal, hosted a guest lecture on 'IVIVC: Overview, Applications and Industry Perspective' on November 23, 2019. The speaker for the session was Dr. Y Ashokraj, Director- IVIVC, Integrated Product Development (IPD), Cipla Limited, Mumbai.



Dr. Raj is a seasoned industry expert on biopharmaceutics and pharmacokinetics. To his credit, he has more than fifteen years of work experience in leading pharmaceutical industries including Sandoz

Laboratories, Dr. Reddy's Laboratories, Ranbaxy Laboratories and Nicholas Piramal India Ltd. His specific research interests comprise dissolution science, bioequivalence studies, IVIVC and PK-PD modeling.

Guest Talk by Dr. Krishna Undela

Dr. Krishna Undela, Assistant Professor, JSS College of Pharmacy, Mysuru provided insights on Systematic Review and Meta-analysis. Dr. Krishna discussed about narrative review, meta-analysis and systematic review and how they differ from each other. He explained the various steps involved in Meta-analysis and basic considerations to be noted for conducting a Meta-analysis. The speaker also explained on how to understand and interpret different plots used in Meta-analysis. He also provided an overview of various checklist and software used for Systematic Review and Meta-Analysis. The session was organised on 07 Dec 2019 by Department of Pharmacy Practice, MCOPS, MAHE, Manipal.



Guest Talk by Prof Paul Groundwater

Council for Internationalization (CIN), MCOPS, Manipal organized Guest Lecture on Nov 21, 2019 at 9.30 am by Prof Paul Groundwater, University of Sydney, Australia on the topic "Methods for the detection and Identification of Pathogenic bacteria". Postgraduate students, Research Scholars and faculties of various departments attend the lecture. Dr. Groundwater also briefed about the various collaboration opportunities available at University of Sydney.



Guest Talk by Prof Hien Duong



Council for Internationalization (CIN), MCOPS, Manipal organized Guest Lecture on Nov 21, 2019 Prof Hien Duong, University of Sydney, Australia spoke

on the topic "Smart Nanotechnology for Nanomedicine". Postgraduate students, Research Scholars and faculty of various departments attended the lecture. Dr. Hien also discussed about the possible thrust areas where MCOPS and University of Sydney can collaborate in the area of Drug Delivery.

Guest Talk by Dr. Ronald Castelino

Council for Internationalization (CIN), MCOPS, Manipal organized Guest Lecture on Nov 21, 2019 at 12 noon by Dr. Ronald Castelino, University of Sydney, Australia on the topic "Future Career opportunities at University of Sydney". Undergraduate BPharm and PharmD students attended the talk. He mentioned about the various Masters Programme, Licensing exams and job opportunities available for pharmacy graduates in Australia.



ACHIEVEMENTS

Guest Talk by Dr. Girish Pai K at SRM Institute, Chennai

Dr. Girish Pai K, Assistant Professor (Selection Grade), Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, MAHE, delivered a guest lecture on the topic 'Formulation Research – Design to Despatch (The inside story)' during a two day National Conference on "Drug Discovery & Development: A Focus on Newer Technologies" (7-8 February 2019) organized by Department of Pharmaceutics, SRM College of Pharmacy, SRM Institute of Science & Technology, Chennai. About 250 delegates from institutes of repute across the country attended the conference.



Dr. Pai discussed on various hurdles, challenges in drug discovery & product development process and stressed the importance of good ethical practices to be adopted in the developmental phase to design a stable product having maximum therapeutic efficacy. Dr. Pai presided as the guest during the inaugural session held on 7th February. He also served as one of the evaluators for both e-poster and poster presentations and was privileged to hand over the prizes to the winners of various events. Dr. N Damodharan, Organizing Secretary & Head – Dept. of Pharmaceutics and Dr. R Kamaraj, Head – Department of Regulatory Affairs felicitated Dr. Pai with a certificate and a memento. Logistics and hospitality for the conference was fully sponsored by SRM Institute of Science and Technology.

SERB Travel Grant

Dr. Sonal Sekhar M, Assistant Professor-Selection Grade, Department of Pharmacy Practice, MCOPS received Science and Engineering Research Board (SERB) travel grant for attending International society of pharmacoepidemiology (ISPE's) 12th Asian Conference on Pharmacoepidemiology (ACPE), Kyoto, Japan, 11-13th October 2019.



Publons Peer Review Awards 2019

Dr. Srinivas Mutalik, Professor and Head and Dr. Lalit Kumar, Assistant Professor (Selection grade), Department of Pharmaceutics, MCOPS received Publons Peer Review Award 2019 for the top 1% of reviewers in Pharmacology and Toxicology on Publons global reviewer database, determined by the number of peer review reports performed during the award year 2018-2019. They also received Top Peer Reviewer Award 2019 and have been placed in the top 1% of reviewers in Cross-Field on Publons global reviewer database, determined by the number of peer review reports performed in the year 2018-19. The top peer reviewer award is part of Global Peer Review Awards-honoring the elite contributions to scholarly peer review and editorial pursuits internationally. This award has been provided by web of science group.



Dr. Srinivas Mutalik



Dr. Lalit Kumar

Best Oral Presentation Award

Ms. Ramya Ravi, Assistant Professor, Department of Pharmaceutical Quality Assurance was awarded the best oral presentation in 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences (ICFIRHS) 2019 held on 14th -15th Sep 2019 at AIMST university, Malaysia. The topic titled "A study on identifying factors affecting University- Industry Technology transfer – Indian Perspective". The study was carried out under the guidance of Dr. Manthan D Janodia, Professor and Head, Dept. of Pharmacy Management, MCOPS. Ms. Ramya is pursuing her PhD under Dr. Manthan D Janodia.



Best Poster Award

Dr. Bhavana B Bhat, Assistant Professor, Department of Pharmacy Management, Manipal College of Pharmaceutical Sciences, MAHE, Manipal won "Best Poster Award" and "Cash Prize" for the poster Presentation in National Conference on Pharmacoepidemiology and Pharmacoeconomics (NCPPE) organized at JSS College of Pharmacy, Mysore from 26-28 September 2019. The work was co-authored by Dr. D Sreedhar (Department of Pharmacy Management), Dr. Sathish Nayak (Department of Gastroenterology), Dr. N Udupa (Director Research- Health Sciences).



Best Poster Award

Mrs. Aswathi R Hegde, Assistant Professor, Department of Pharmaceutics was awarded the best poster for the work titled "Liposomal nanoformulations of an anticancer drug for the effective treatment of breast cancer" at SYMBIOT 2019, a national level symposium organized by Department of Biotechnology and Institution of Engineers, Biotechnology Chapter (IEBT), Manipal Institute of Technology, Manipal on 26th September 2019 at Manipal Institute of Technology, Manipal. The study was carried out under the guidance of Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS and she is currently pursuing her PhD under Dr. Srinivas Mutalik.



Award by Venus International Foundation

Dr. Richard Lobo, Associate Professor Senior Scale, Department of Pharmacognosy, MCOPS, MAHE, Manipal was honoured with PROFESSOR OF THE YEAR (PHARMACOGENOSY) Award, by Venus International Foundation, Center for Health and Medical Sciences, Chennai, on 2nd Annual

Healthcare Meet and Venus International Healthcare Awards on Saturday 21st of September 2019 at Green Park Chennai, India



FIP Travel Scholarship

Jyothsna Manikkath, Assistant Professor, Department of Pharmaceutics, MCOPS received the FIP Travel Scholarship 2019 from the International Pharmaceutical Federation (FIP) to participate in the 79th FIP World Congress on Pharmacy and Pharmaceutical Sciences, at Abu Dhabi, United Arab Emirates held during Sep 22 - 26, 2019. Jyothsna is pursuing her PhD under the guidance of Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS.



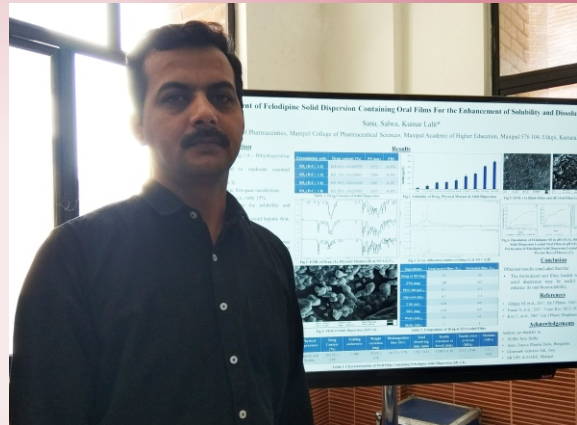
Guest Lecture by Dr. Girish Pai K at 2nd ICFIRHS, Malaysia

Dr. Girish Pai's abstract titled "Effective management of manufacturing defects to avoid product recalls: A challenge to pharmaceutical industry" was chosen for a lecture during a scientific session by the Chairperson of scientific committee, 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences (ICFIRHS 2019, September 14-15), held at AIMST University, Malaysia. Dr. Pai is a faculty at the Department of Pharmaceutics, MCOPS, MAHE, Manipal. He spoke on recent critical market complaints, FDA's actions on major pharma companies that led to product recall and discussed in detail about various manufacturing defects, probable root causes and remediation measures.



Best E-Poster Presentation Award

Dr. Lalit Kumar, Assistant Professor-Selection Grade in the Department of Pharmaceutics, MCOPS, Manipal received Best E-Poster Presentation Award for his research work titled 'Development of felodipine solid dispersion containing oral films for the enhancement of solubility and dissolution rate' in 24th Annual National Convention of Association of Pharmaceutical Teachers of India [APTICON-2019], October 11th - 13th, 2019 held at DIT, Dehradun [Uttarakhand], India.



Best Oral Presentation Award

Mr. Vasudev Pai, Assistant Professor, Department of Pharmacognosy, Manipal College of Pharmaceutical Sciences, MAHE, Manipal won "Best Oral Presentation Award" for the Oral Presentation titled "*In-silico* and *In-vitro* acetylcholinesterase inhibitory activity of some natural compounds" in International Conference [SPER-Bangkok 2019] on October 3-4, 2019 Theme of the conference being- Fostering Pharmaceutical Innovations to Bridge the Gap in Pharmaceutical Research and Industry organized by Society of Pharmaceutical Education & Research (SPER). The work was co-authored by Dr. M Manjunath Setty and Dr. Chandrashekar K S, Department of Pharmacognosy.



Talk by Dr. Mahadev Rao at International TB Portals Consortium

Chisinau, Moldova witnesses 2019 International TB Portals Consortium with a theme "Advancing a Network of Clinical Informatics Resources" during 23rd-25th September 2019. Dr. Mahadev Rao, Professor and Head, Department of Pharmacy Practice, MCOPS gave a speech on "Integrating Pharmacogenomics and Population Pharmacokinetics for Precision Therapy in Tuberculosis patients" in the Consortium. Dr. Rao represents India for International TB Portals Consortium since 2018. Currently, the TB Portals Consortium includes 13 partnering countries including India. Dr. Rao initiated National Institute of Allergy and Infectious Diseases (NIAID) TB Portals program in Manipal and represents India in the Program's Steering committee. TB Portals is a web-based, open-access repository of socioeconomic/geographic, clinical, laboratory, radiological, and genomic data from mostly drug-resistant TB patient cases with linked physical samples. The International Tuberculosis Portals Consortium and the TB Portals Program are Initiatives of The Office of Cyber Infrastructure and Computational Biology (OCICB) at the NIAID, part of the US National Institutes of Health (NIH). The NIAID TB Portals Program is a multi-national collaboration for tuberculosis (TB) data sharing and analysis to advance TB research.



A consortium of clinicians and scientists from countries with a heavy burden of TB, especially drug-resistant TB, work together with data scientists and IT professionals to collect multi-domain TB data and make it available to the clinical and research communities. The Program has also built advanced analytical tools to perform both domain-specific and meta-domain analyses of TB Portals data. Country sites in Eastern Europe, Central and South Asia, and sub-Saharan Africa are sharing data through the Portals. Representatives from participating countries comprise the Program's Steering Committee, which provides feedback and guidance on the development of the TB Portals' resources, tools, and new research studies. The data within the TB Portals have been collected and publicly shared by international partners in a direct partnership with the TB Portals Program.

Guest Talk by Dr. K Sreedhara R Pai



Dr. K Sreedhara Ranganath Pai, Professor and Head in the Department of Pharmacology at MCOPS delivered a talk at DBT sponsored "Popular Lecture Series on Biotechnology" at JSS College of Pharmacy, JSS Academy of Higher Education and Research, Ooty, on October 18, 2019.

APTI - Life Time Achievement Award to Dr. N Udupa

Dr. N Udupa (Director – Research (Health Sciences), Manipal Academy of Higher Education, Manipal) received prestigious "APTI - Shri Bhojraj Panjamool Life Time Achievement Award" by Association of Pharmaceutical Teachers of India (APTI). This award is conferred to Dr. N Udupa for his outstanding contribution towards enrichment of pharmacy profession through the academic, research and industry activities. The award was presented to Dr. N Udupa during APTICON 2019 (24th Annual National Convention of APTI) which was organized by DIT University at Dehradun, Uttarakhand State on 11-13 Oct 2019. Dr. Udupa is recognized as a great researcher and academician nationally as well as internationally.



Workshop by Dr. Surulivelrajan at International Malaysian University

Dr. Surulivelrajan Mallayasamy, Associate Professor, Department of Pharmacy Practice, MCOPS, was the resource person at International Malaysian University, KL, Malaysia, for the workshop on "Drug Metabolism & Pharmacokinetics and Population PK/PD Modelling", conducted during 8-10 October 2019. He delivered lectures with real-life examples, followed by a panel discussion and hands-on sessions to encourage participation and exchange of information among the delegates.



ISPE Scholarship

Dr. Vijayanarayana, Dr. Sreedharan, Dr. Rajesh V and Dr. Sonal Sekhar M faculty of Department of Pharmacy Practice, MCOPS received International Society for Pharmacoepidemiology (ISPE) Scholarship for attending ISPE's 12th Asian Conference on Pharmacoepidemiology (ACPE), Kyoto, Japan, 11-13th October 2019. Dr. Sreedharan received full scholarship which additionally

covers travel reimbursement of airfare and accommodation to attend the ACPE 2019.



Dr. Vijayanarayana, Dr. Sreedharan, Dr. Rajesh V and Dr. Sonal Sekhar M

Dr. Krishnamurthy Bhat - Antarctica expedition, 14 Nov 2019 to 23 Feb 2020

Dr. Krishnamurthy Bhat, Professor, Department of Pharmaceutical Quality Assurance has been selected as a member of 39th Indian Scientific Expedition to Antarctica by Ministry of Earth Sciences. He will be studying the Pharmaceutical and Personal Care Product residues in snow, ice and sea water in Larsemann Hill and Quilty Bay area of Antarctica.

As a pre requisite for Antarctica expedition Dr. Krishnamurthy Bhat attended Pre Antarctic snow ice acclimatisation training from 5-16 September 2019 at Indo Tibetan Border Police Forde, Auli, Uttarakhand. He was rigorously trained there by Mr. Krishna Gurang, Mr. Sunil Ray and Mr. Sandeep Bhandary on various aspect like ice walk, ice risk, rock climbing and mountain trekking. He was also trained in snow rescue operations in ITBPF. There were 29 scientists and logistic experts in the training group who belonged to various prestigious national laboratories and universities of the country.



Dr. Bhat started the Antarctica expedition from 14th November 2019 which will continue till 23rd February 2020. He will investigate the presence of Pharmaceutical and Personal Care Products in the adjacent sea waters near Bharti station in East Antarctica. The samples will be collected and processed at Bharti station, transported to Manipal and analysed for the presence of PPCPs by LCMS-MS method developed in MCOPS laboratory. Professor Balakrishna from Department of civil engineering MIT is the co-investigator of the project.

Best Oral Presentation Award

Dr. Jyothsna Manikkath, Assistant Professor from the Department of Pharmaceutics won the 'Best Oral Presentation' at the 'International Conference on Nanoscience and Photonics for Medical Applications', organized by Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, Manipal from 28-30 Dec 2019. She was guided by Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS.



ISPOR Europe 2019 Travel Grant



Dr. Manthan D Janodia, Professor and Head, Department of Pharmacy Management, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal was awarded a travel grant by International Society of Pharmacoeconomics and Outcomes Research (ISPOR) to attend and present a paper in ISPOR Europe 2019 conference held at Copenhagen, Denmark during November 2-7, 2019. Dr. Janodia presented a paper titled "Publication Trend and Citation Analysis of Articles published in "Value in Health" between 1998-2019".

ICMR Senior Research Fellowships



Five research scholars of MCOPS were awarded with Senior Research Fellowship from Indian Council of Medical Research (ICMR), New Delhi, India. This research fellowship is given for their doctoral studies.

- Divya Gopalan, Guide: Dr. N. Udupa, Department of Pharmaceutics
- Swastika Maity, Guide: Dr. Yogendra Nayak, Department of Pharmacology
- Divya K P, Guide: Dr. Abhinav Kanwal, Department of Pharmacology
- Gayatri Gopal Shetgaonkar, Guide: Dr. Lalit Kumar, Department of Pharmaceutics
- Ekta Rathi, Guide: Dr. Suvarna G Kini, Department of Pharmaceutical Chemistry

Guest Lecture

Mr. Sivakumar Kannan, Research Scholar from Manipal College of Pharmaceutical Sciences, MAHE Manipal delivered a guest talk on the topic "Fitness and Doping" to Manipal Institute of Management students and faculty members on September 19, 2019 which was arranged as part of Manipal Institute of Management program entitled with Fit India Movement. His talk was informative, and was received well by the audience.



CSIR Travel grant

Ms. Navya A Bhaskaran, Junior Research Fellow (SERB), Department of Pharmaceutics, MCOPS received an International Travel Grant from Council of Scientific and Industrial Research (CSIR), New Delhi to participate and present her research work in the Applied Pharmaceutical Analysis (APA, 2019) conference conducted by The Boston Society on "Regulated Bioanalysis, Discovery Bioanalysis & Technologies and Mechanistic ADME" which was held from 9-11th September 2019 at Revere Hotel in Boston Common, Massachusetts, United States of America. Ms. Navya is currently pursuing her PhD under the guidance of Dr. Lalit Kumar, Assistant Professor (Selection Grade), Department of Pharmaceutics, MCOPS, Manipal.



E-Poster Competition Award

Ms. Santoshi Naik, DST-Inspire Fellow, Department of Pharmaceutics received First prize for e-poster titled "PATIENT SAFETY" in "e-Poster Competition" organized by Safety and Sentinel Events Committee, Kasturba Hospital, Manipal Academy of Higher Education, Manipal as part of "Patient Safety Awareness Week" observed from 17-24th September 2019 at Kasturba Hospital, Manipal. She is currently pursuing her PhD under the guidance of Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS.



Judge at Mangalore University

Ms. Pinal Chaudhari, a DBT - Junior Research Fellow, Department of Pharmaceutics participated as a Judge for the Symposium (Seminar) Competition conducted as a part of the program 'Vortex 2K19', a National Level Intercollegiate Fest 2019 held at Mangalore University, Mangalagangothri on 3rd October 2019. The fest witnessed the participation of postgraduate students from the departments of chemistry, analytical chemistry, applied chemistry, organic and inorganic chemistry and biochemistry postgraduate students from various colleges and Universities. Ms. Pinal is pursuing her Ph.D. at Dept. of Pharmaceutics, MCOPS under the guidance of Dr. Shaila Lewis, Associate Professor (Senior Scale) and Dr. Madhavan Nampoothiri, Assistant Professor (Senior Scale), Dept. of Pharmacology.



Best Poster Award

Sivakumar Kannan, Research Scholar at Department of Pharmaceutics, MCOPS won the Best Poster Award in 24th National Conference of Association of Pharmacy Teachers of India (APTI 2019) held on 11-13 Oct at Dehradun.

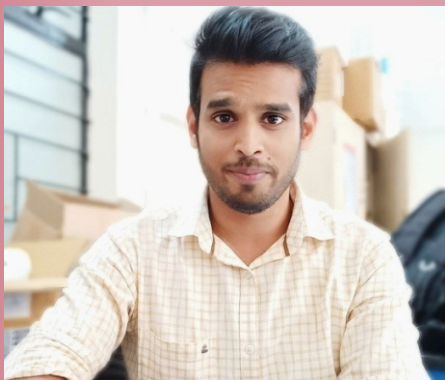


His paper on "Sports Pharmacy - a new horizon in Indian Sports" is coauthored by Dr. Anup Naha, Dr. Punit Bansal, Dr. Vinod Nayak, Dr. Sandeep Goud and Mr. Robindra Singh. Sivakumar is doing his PhD under Dr. Anup Naha.

EMBO FELLOWSHIP

Dr. Abhijeet Pandey received the prestigious EMBO (European Molecular Biology Organization) fellowship for carrying out a part of his research project at

Medical University of Graz, Austria. EMBO is an organization that promotes excellence in life sciences in Europe and beyond. The major goals of the organization are to support talented and young researchers at all stages of their careers, stimulate the exchange of scientific information, and help build a research environment where scientists can achieve their best. Medical University of Graz is one of the Top 200 Universities of the world and focuses mainly on research having clinical outcomes. Dr. Abhijeet's accepted work is based on Bio-Nano-Interactions between subcellular organelles and nanoparticles. Dr. Pandey is a Postdoctoral Research Fellow with Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, MAHE, Manipal.



Visit to University of Kentucky

Ms. Gayathri Baburaj, DST-Inspire fellow, working with Dr. Mahadev Rao, Head, Department of Pharmacy Practice is selected for a three month precision oncology training program at University of Kentucky. The training program will start from April 01 to June 30, 2020. The program is funded by NIH grant and in collaboration with UK/MAHE/TMH.



The multidisciplinary team from MCCCC consists of epidemiologist (Dr. Ranjitha Shetty, KMC- Community medicine) medical oncologist (Dr. Umesh V, Dept of Medical Oncology, KMC), Pathologist (Dr. Vishwapriya G, Dept of Pathology, KMC) and Clinical Pharmacist (Gayathri Baburaj, Dept of Pharmacy Practice). Following training for 3 months, this team will establish precision oncology research program at MCCCC.

Best Poster Award

Ms. Amala Maxwell, AICTE- NDF Research Scholar, Department of Pharmaceutics, bagged the Best poster award at AICTE sponsored PESCP 6th International Conference on Strategies to Tackle Antimicrobial resistance held at PES University, Bangalore on 18-19 October, 2019.

The Research Poster entitled ' Antibacterial Drugs within a Lipid matrix: An Efficient Way to Tackle Resistance during the Treatment of Acne', co-authored by Dr. Vivek Ghate and Dr. Shaila Lewis, Department of Pharmaceutics, MCOPS; Dr. Arun Kodoth and Dr. Vishalakshi, Mangalore University, Mangalagangothri and Dr. Bharathi Prakash, Department of Microbiology, University College Mangaluru.

Ms. Amala is pursuing her research under the guidance of Dr. Shaila Lewis, Associate Professor (Senior Scale), Dept. of Pharmaceutics and the co-

guidance of Dr. Jesil Mathew A, Associate Professor, Dept. of Biotechnology, MCOPS, MAHE.



SERB/CCSTDS/CSIR Travel grants

Ms. Reema Narayan, Research Scholar, Department of Pharmaceutics, MCOPS received three International Travel Grants from Science and Engineering Research Board (SERB), New Delhi, Council of Scientific and Industrial Research (CSIR), New Delhi and Centre for Cooperation in S & T among Developing Societies (CCSTDS), Chennai, India to participate and present her research work in American Association of Pharmaceutical Scientists Conference - AAPS PharmaSci360, held in San Antonio, Texas, during November 3-6, 2019. The research work titled "Synthesis and computational modelling to predict loading of 5-fluorouracil onto mesoporous silica nanoparticles".

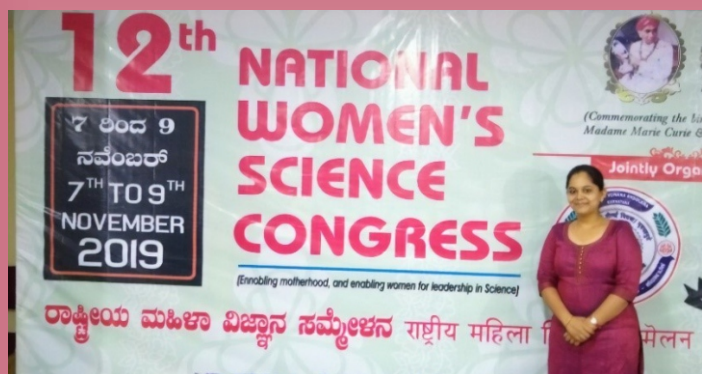
Reema is pursuing her PhD under the guidance of Dr. Usha Nayak, Associate Professor, Department of Pharmaceutics, MCOPS, Manipal and Professor Sanjay Garg, School of Pharmacy and Medical Sciences, University of South Australia, Adelaide.



Young Scientist Award

Sadhana Mutalik, DST- INSPIRE Junior Research Fellow, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS) bagged 'Young Scientist Award' for the Oral Presentation at 12th National Women's Science Congress organized by Women Scientist Forum, Swadeshi Vijnana Andolana, Vijnanabharati, New Delhi, held at SBRR Mahajana First Grade College, Mysuru during November 7-9, 2019. She presented a paper titled, "A Quality by Design Approach for the Development of Surface Engineered Nanoliposomal formulation", co-authored by Dr. Abhijeet Pandey and Dr. Srinivas Mutalik, MCOPS Manipal and Dr. Prashant Deshmukh, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur,

Maharashtra. Ms. Sadhana is pursuing her PhD under the guidance of Dr. Srinivas Mutalik, Professor and Head, Dept. of Pharmaceutics, MCOPS, Manipal.



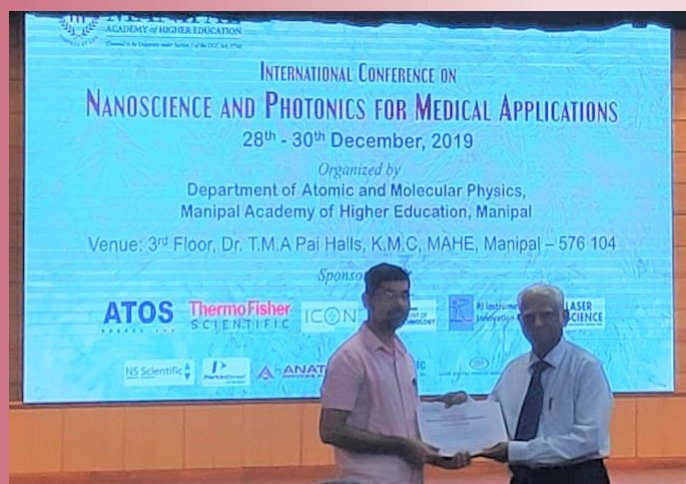
Young Researcher Award

Mr. Suman Manandhar, AICTE-NDF scholar received the "Young Researcher Award" in Drug Design and Discovery Technologies conference (CDDT-2019) during 21 - 22 November 2019 conducted by Ramaiah University of Applied Sciences, Bangalore and Royal Society of Chemistry.



His paper entitled "In silico evaluation of the role of phytochemicals in Alzheimer's disease through WNT signaling modulation". Suman is pursuing his PhD under the guidance of Dr. K Sreedhara Ranganath Pai, Professor and Head, Department of Pharmacology, MCOPS, Manipal.

Best Poster Award



Bharath Singh Padya, Research Scholar from the Department of Pharmaceutics won the 'Best Poster' Award, at the 'International Conference on Nanoscience and Photonics for Medical Applications', organized by Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, Manipal from 28-30 Dec 2019. He was guided by Dr. Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS.

Visit to University of Pittsburgh

Shivprasad Gadag, visited University of Pittsburgh, USA, for two months Research Internship program during Nov- Dec 2019 as a visiting student under the supervision of Dr. Shilpa Sant, Department of Pharmaceutical Sciences/Bioengineering, UPMC-Hillman Cancer Center, McGowan Institute for Regenerative Medicine, University of Pittsburgh, USA. Dr. Sant has provided all the in-kind support to do in vitro efficacy testing as a part of his doctoral studies in the area of Breast Cancer.



Shivprasad is pursuing his Ph.D. under the guidance of Dr. Usha Y Nayak, Associate Professor, and Dr. M Sreenivasa Reddy, Professor & Vice-Principal, Department of Pharmaceutics at Manipal College of Pharmaceutical Sciences, MAHE, Manipal.

Summer Research Fellowship

Ms. Gayathri, Final year B. Pharm student has undergone training of 1.5 months from 27 May 2019 to 12 July 2019 through IASc-INSA-NASI Summer Research Fellowship at National Brain Research Center, Manesar, Gurugram, Haryana, India under the guidance of Dr. Anindya Ghosh Roy, Scientist-V.



In Anindya Ghosh Roy's lab Ms. Gayathri was exposed to different techniques to grow and handle the microscopic model organisms *Caenorhabditis elegans* under optimum conditions and the changes in its phenotype due to mutation.

ISPE Scholarship

Ms. Rupal Francisca Aroza and Ms. Pareeta Kotecha (Pharm.D Interns), Dr. Shilia Jacob Kurian (Ph.D Scholar) of Department of Pharmacy Practice, MCOPS received International Society for Pharmacoepidemiology (ISPE) Scholarship for attending ISPE's 12th Asian Conference on Pharmacoepidemiology (ACPE), Kyoto, Japan, 11-13th October 2019. Ms. Pareeta Kotecha received full scholarship which additionally covers travel reimbursement of airfare and accommodation to attend the ACPE 2019.



Ms. Pareeta Kotecha



Ms. Rupal Francisca Aroza



Dr. Shilia Jacob Kurian

National Level Pharma Quiz -1st Prize

Mr. Hemanth KG and Ms. Pratiksha Deodhar, Department of Pharmaceutics, MPharm students, won 1st prize in the National Level Pharma Quiz, at Shri Vishnu College of Pharmacy, in association with Bhimavaram IPA. Logistics was sponsored by the organizers. Dr. Girish Pai, Faculty, Dept. of Pharmaceutics is their mentor. The prelims of the quiz were conducted on 17th November 2019 (60 questions and 80 minutes, +5 for the correct answer and -2 for the wrong answer). Out of 138 teams in prelims, the top 12 were shortlisted for the finals and our MPharm students were in the top three. Finals were held on 21st November 2019. Various questions from Pharmaceutics, Pharmacology, Pharmacognosy and other subjects were asked in the quiz competition

Pharmacy Practice, MCOPS, regarding the clinical activities and academic training for Pharm.D students at MCOPS such as case presentations, clerkship and internship activities. The visiting students and faculty appreciated the case based learning of therapeutics and Team based learning (TBL) approach following by Pharmacy Practice Dept. of MCOPS.



University of Portsmouth Dental Academy, UK visit

Dr. Latha Davda, Clinical Director, University of Portsmouth Dental Academy, UK visited MCOPS, Manipal on 19 November 2019 at 11 am to discuss about research collaboration and students exchange. Dr. Latha was instrumental in obtaining MoU and other collaborations between the two Universities. She will be accompanied by Dr. Arathi Rao, Professor, MCODS Mangalore.



VISITS

NIH, USA visited

Dr. George Liu, Business Manager, US Biolabs Ltd, USA and Dr Lokesh Agarwal, Program Director, NCI Biorepositories and Biospecimen Research Branch, NIH, USA visited and Interacted with the HOD of the various departments of mcops regarding joint research activities. The event was initiated by Dr. Mahadev Rao, HOD, Dept of Pharmacy Practice, MCOPS.



Visit of Sree Krishna College, Guruvayur to Dept. of Pharm.Chem.

As a part of curriculum, VI semester BSc. Chemistry students of Sree Krishna College, Guruvayur, visited Manipal College of Pharmaceutical Sciences (MCOPS) on December 6, 2019 to undertake Research Centre visit to a reputed research institute. Forty students along with two faculty members explored the research facilities available in the Pharmaceutical Chemistry Department. They had a brief interaction with Professor and Head, Dr. Suvarna G Kini, Department of Pharmaceutical Chemistry where the students got an exposure about the various courses being conducted in the college and their outcomes. Additionally, Dr. Varadaraj Bhat G and Dr. Alex Joseph, Associate Professors explained the importance of Pharmaceutical Chemistry and various career options in Pharmacy. Further they visited all the undergraduate, postgraduate and research labs in the department under the supervision of Dr. Alex Joseph, Dr. Varadaraj Bhat, Dr. Aravind Pai and Dr. Ruchi Verma, faculty, Department of



Visit to Department of Pharmacy Practice, MCOPS

Fourth Year PharmD students and two faculty members of Nirmala College of Pharmacy, Muvattupuzha, Kerala, visited Department of Pharmacy Practice, MCOPS as a part of their educational tour on 6 November 2019. The students visited Kasturba Hospital, Manipal and observed various facilities available for clinical pharmacy services. They also had interaction with Faculty members of

Pharmaceutical Chemistry, MCOPS. The supervising faculty and PhD research scholars gave demo of all the equipment and explained about the research facilities available in the department.



ALUMNI NEWS

Australian Awards Scholarship

Mr. Naman Gupta, BPharm graduate of MCOPS (2014-2019) has been selected for the prestigious Australian Awards Scholarship to pursue his Masters in Pharmacy in an Australian University of his choice, commencing in 2020. He is the only one of ten students selected from the country. MCOPS is proud of Naman!



Masters-level Scholarships is offered by Australia Awards South and West Asia, to high-performing Indian graduate students to study at one of Australia's world-class universities. Australia Awards provide opportunity to undertake study, research and professional development with the support of the Australian Government.

MCOPS alumni meet at Hyderabad



MCOPS alumni meet was held in Dasappa D-Convention Hall, Hyderabad, India on July 7, 2019. It was attended by nearly 89 alumni members currently working at different organizations in and around Hyderabad. It turned out to be a wonderful platform for the folks studied at MCOPS which was then under universities such as Mysore, Mangalore, Rajiv Gandhi, and MAHE. It was the third successful reunion of its proud alumni, where alumni themselves came forward and organized the event. Dr. M Sreenivasa Reddy, Vice-Principal, MCOPS took charge of the meeting. The meet was very fascinating and filled with cherished memories of MCOPS. It was an opportunity for the Alumni to

catch up with their good old friends and reconnect with their Alma matter. MCOPS express its gratitude to all the Alumni, making the meet a grand success. The organizing committee involved: Aravind Aithal, Krishna Geethika, Prabhakar Prabhu, Pradeep Rawat, Arunjyoti, Murali Krishna, Vimlesh Singh, Vivek Khanna, Prashant Tawale, Prashant Sharma, Sushant Anand, and Rajaneesh.

Silver alumni meet of B Pharm batch 1990-1994

The silver alumni meet of B Pharm batch 1990-1994 was held on 16th November at MCOPS. The meet was attended by 30 alumni who came down to Manibal from different parts of the globe.



On 16th morning the alumni assembled at NLH1 for an interaction between ex faculty and students. Dr. Rohit Singh, Director Alumni affairs, MAHE, graced this occasion and formally inaugurated the meet. He later addressed the gathering and gave a brief overview of the alumni related activities. This was followed by a speech from the Principal Dr. Mallikarjuna Rao. During this program the teachers who taught the silver batch were honored by the alumni. The teachers expressed their sentiments after the felicitation. Later the alumni visited the labs and classrooms and appreciated the enormous growth in the infrastructure of their alma mater. A campus tour was arranged in the afternoon for the alumni by the university. The alumni meet concluded with a gala dinner at Fortune Inn Valley view.

Alumni Meet during 71st Indian Pharmaceutical Congress, Chennai

Alumni meet was held during 71st IPC, Chennai on 21 December 2019. Principal, Dr. Mallikarjuna Rao welcomed the alumni gathered during the alumni meet. He appreciated students and research scholars who had attended IPC in large numbers.



He urged students to contribute to research and motivated to convert the abstracts presented during conference to manuscripts and send to Scopus indexed journals. Dr. Srinivas, Senior Manager, Abbott said that his overall personality as an individual has significantly transformed after graduating from MCOPS. He thanked the professors and alma mater for helping him in his professional career. Dr. Manju, Assistant Professor, Calicut said that his

research career commenced under the guidance of Dr. Srinivas Mutalik wherein he achieved his first ever publication in a reputed journal. Dr. Ram Kumar, Vice President, Net Med said that he had done his PhD under the guidance of Dr. N Udupa that gave him a fillip to occupy pivotal position. Dr. D Sreedhar, Coordinator, Placement and Alumni Relations urged to register on alumni portal and also requested to spread the message among the alumni. Over 70 students and five faculty members attended 71st IPC held at Chennai during 20-23 December, 2019.

UPCOMING EVENTS

10 - 11 January 2020 : CPCON 2020

13 - 25 January 2020 : AICTE Sponsored QIP

20 - 25 January 2020 : AICTE Sponsored STTP

22 - 25 January 2020 - Qalam

1 - 2 February 2020 : PharmaQuora

8 February 2020 : Awards and Annual Day

12 February 2020 : Athlos

30 March - 3 April 2020 : UTSAV