



VISWANADHA INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI & AICTE – New Delhi and Affiliated to JNTUK, Kakinada)

Mindivanipalem (V), Sontyam (P), Anandapuram (M), Visakhapatnam - 531173

Workshop Theme: AICTE sponsored quality improvement program on “Drug Discovery and Analytical Techniques: An update in Education and Research”

Date: November 4th to 9th, 2019.

Location: Manipal College of Pharmaceutical Sciences, Manipal,
Karnataka, India.

Organized by: Department of Pharmaceutical Quality Assurance,
Department of Pharmaceutical Chemistry, MCOPS.

Registration

Caution deposit/person	INR. 500/-
Registration deadline	30 Oct. 2019
No of participants	30
Caution Deposit will be refunded when the applicant attends the program	

Registration form along with the caution deposit should reach on or before registration deadline.

Registration is limited to first 30 participants only.

Eligibility: Faculty members from Pharmacy Institutions of India, approved by the AICTE.

TA (Fare limited to AC 3 Tier or Bus) and accommodation will be provided for the first 30 teacher participants only.

Accommodation for non teacher participants shall be arranged on request against payment.

Mail your registration forms to:

The Principal
Manipal College of Pharmaceutical Sciences
Manipal – 576 104, Karnataka, INDIA.
Tel: +91 820 2922482, 2922433;
+91 820 2571998
Email: cpe.mcops@manipal.edu

Please super scribe the envelope with
“QIP November 2019”

Department of **Pharmaceutical Quality Assurance** was established in the year 2002 in MCOPS. The department has established itself as a well known centre for training bright young minds in Quality Assurance and offers post graduate course in Pharmaceutical Quality Assurance. The department has state of the art analytical equipment like LCMS-MS, HPLC (3 numbers), DSC, GCMS, HPTLC along with spectrophotometers. Department has diverse research capabilities such as bioavailability enhancement studies, biomarker assay development, stability studies, analytical and bioanalytical method developments. From 2008, the department also runs a PG course in Regulatory Affairs. The department is active in research, running projects sponsored by various national and international funding agencies and private companies. Department also offers external consultancy in analysis and regulatory services.

Department of **Pharmaceutical Chemistry** was established in the year 1963 in MCOPS. The department has established itself as a well-known Centre for New drug discovery program. The department has facilities for drug design, synthesis, characterisation and evaluation. Facilities for Insilico drug design, Parallel synthesis, Tissue culture, FTIR, Flash Chromatography, HPLC and U.V.Spectrophotometry are available in the department. Analytical services are also offered to academia and industries. Faculty members have collaboration with reputed industries. Currently it offers PG program in Pharmaceutical Analysis also. Department has received financial support from various funding agencies. Workshops in Molecular Simulations are organized by the department periodically.



**MANIPAL COLLEGE
OF PHARMACEUTICAL SCIENCES**
MANIPAL
(A constituent unit of MAHE, Manipal)

AICTE sponsored Quality Improvement Program
on

**Drug Discovery and Analytical Techniques :
An update in Education and Research**

04 – 16 November 2019



Organised by

Manipal College of Pharmaceutical Sciences
(A constituent unit of MAHE, Manipal)
Manipal - 576 104, Karnataka, India.
www.manipal.edu/mcops



Day – 1 (04-11-2019)

Chief Guest & Speakers:

1. **Dr. Narayana Sabhahit**, Registrar, MAHE (Chief Guest)
2. **Dr. Tanga Mariyappan**, Senior Lead Investigator, Syngene International Ltd., Bangalore (Speaker)
3. **Dr. Muddukrishna B S**, Dept. of PQA, MCOPS (Speaker)
4. **Dr. Prasanth B. Musmade**, Senior Manager-Corporate Quality Compliance and Remediation, Wockhardt Limited, Aurangabad (Speaker)
5. **Mr. Jayadeepkumar Maradiya**, Regulatory Specialist, GSK, Bangalore (Speaker)

Inaugural Session-

The AICTE- Sponsored Quality Improvement Programme began with inauguration of QIP by the chief guest Dr. Narayana Sabhahit, Registrar, Manipal Academy of Higher Education. Inaugural speeches were given by Dr. Narayana Sabhahit, Registrar, MAHE, Dr. C. Mallikarjuna Rao, Principal, MCOPS, Dr. Sudheer Moorkoth, HOD of PQA, MCOPS.



Inauguration of QIP by Dr. Narayana Sabhahit, Registrar, MAHE

Inaugural speeches



Dr. Narayana Sabhahit, Registrar,
MAHE



Dr. C. Mallikarjuna Rao, Principal,
MCOPS



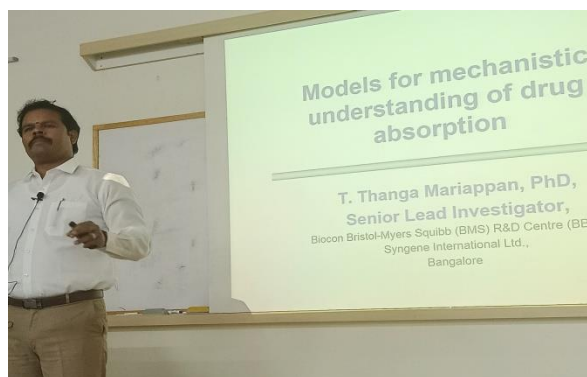
Dr. Sudheer Moorkoth, HOD of PQA, MCOPS

Technical Session-

S. No	Session	Speaker	Speaker Designation	Topic
1	Morning	Dr. Tanga Mariyappan	Senior Lead Investigator, Syngene International Ltd., Bangalore.	Animal models for mechanistic understanding of disposition of NCE's
2	Morning	Dr. Muddukrishna B S	Dept. of PQA, MCOPS	Data and its integrity: The new big thing

3	Afternoon	Dr. Prasanth B. Musmade	Senior Manager- Corporate Quality Compliance and Remediation, Wockhardt Limited, Aurangabad.	Data Integrity
4	Afternoon	Mr. Jayadeepkumar Maradiya	Regulatory Specialist, GSK, Bangalore.	Marketing authorization procedures in the USA- New and Generic drug product”.

Seminar Presentations:



Dr. Tanga Mariyappan, Senior Lead Investigator
Syngene International Ltd., Bangalore.



Dr. Muddukrishna B S,
Dept. of PQA, MCOPS



Dr. Prasanth Musmade, Senior Manager-Corporate Quality Compliance and Remediation, Wockhardt Limited, Aurangabad



Mr. Jayadeepkumar Maradiya, Regulatory Specialist, GSK, Bangalore

Day – 2 (05-11-2019)

Speakers:

1. **Dr. Raghavendra**, Training and Compliance Manager, Novartis Healthcare Pvt.ltd, Hyderabad
2. **Mrs. Athira R Nair**, Assistant Professor, Dept. of PQA, MCOPS
3. **Prof. S.N. Sriharsha**, Principal, Hillside College of Pharmacy and Research Centre, Bangalore
4. **Mr. Krishnamurthy Bhat**, Professor, Dept. of PQA, MCOPS
5. **Dr. Swapnil J Dengale**, Assistant Professor, Dept. of PQA, MCOPS

Technical Session-

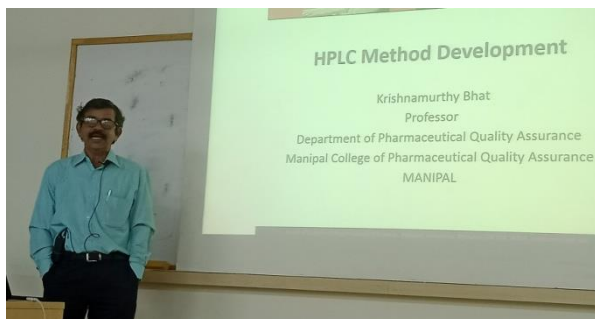
S. No	Session	Speaker	Speaker Designation	Topic
1	Morning	Dr. D. Raghavendra	Training and compliance Manager, Novartis Healthcare Pvt.ltd, Hyderabad.	Deep dive of GMP and Regulatory audits & observations
2	Morning	Dr. Krishnamurthy Bhat	Professor, Dept. of PQA, MCOPS	HPLC method development

3	Afternoon	Prof. S.N. Sriharsha	Principal and Research Director, Hillside College of Pharmacy and Research Centre, Bangalore	Recent trends in Drug Discovery, QBD concepts and Technology Transfer-A Brief Overview
4	Afternoon	Mrs. Athira R Nair	Assistant Professor, Dept. of PQA, MCOPS	Pharma 4.0
5	Afternoon	Dr. Swapnil J Dengale	Assistant Professor, Dept. of PQA, MCOPS	The relevance of Co-amorphous methods in developing supersaturated drug delivery systems

Seminar Presentations:



Dr. Raghavendra, Training and Compliance Manager, Novartis Healthcare Pvt. Ltd., Hyderabad



Mr. Krishnamurthy Bhat, Dept. of PQA, MCOPS



Mrs. Athira R Nair, Dept. of PQA, MCOPS



Prof. S.N. Sriharsha, Principal and Research Director Hillside College of Pharmacy, Bangalore



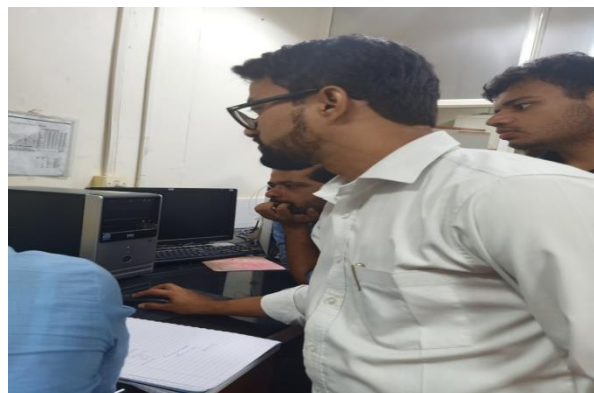
Dr. Swapnil J Dengale, Dept. of PQA, MCOPS

Day 3 and 4 (06-11-2019 and 7-11-2019)

Hands – on HPLC by Mr. Anand and Mr. Lalit



Hands – on HPLC by Mr. Anand



Hands – on HPLC by Mr. Lalit



Hands on HPLC - QIP group

Day- 5 (08-11-2019)

Hands – on LC-MS by Mr. Manoj M. Kushwaha, Application Specialist – LC-MS, Thermofisher Scientific.



Hands – on LC-MS by Mr. Manoj M. Kushwaha, Application Specialist – LC-MS, Thermofisher Scientific.



Software of LC-MS by Mr. Manoj



Hands on LC-MS – QIP group

Day – 6 (09-11-2019)

Speakers:

1. **Mr. Ciraj Ali Mohammed**, Professor, Microbiology, MMMC, Manipal campus, Course Director, MAHE Faimer Institute, Deputy Director, Centre for continuing Education and IPD
2. **Dr. Elsa Sanatombi Devi**, Professor and Head, Medical Surgical Nursing Dept., MCON, MAHE, Manipal
3. **Dr. Prajwal Prabhudev Mane**, Assistant Professor, Orthopedic Dept., KMC, MAHE, Manipal
4. **Dr. Girish Thunga**, Professor, Pharmacy Practice Department, MCOPS, MAHE, Manipal
5. **Dr. Shankar M Bakkannavar**, Associate Professor, Department of Forensic Science, KMC, MAHE, Manipal
6. **Ms. Clarita Shynal Martis**, Ph.D Scholar, MCON, MAHE, Manipal.

7. **Dr. Ramesh C**, Lecturer, MCON, MAHE, Manipal
8. **Mr. Kalidas**, Inpods India
9. **Mr. Anup Naha**, Associate Professor, Dept. of Pharmaceutics, MCOPS, MAHE, Manipal

Technical Session-

S. No	Session	Speaker	Speaker Designation	Topic
1	Morning	Mr. Ciraj Ali Mohammed	Professor, Microbiology, MMMC, Manipal campus, Course Director, MAHE Faimer Institute, Deputy Director, Centre for continuing Education and IPD.	Learning together to work together: An introduction to IPE and IPCP
2	Morning	Dr. Elsa Sanatombi Devi	Professor and Head, Medical Surgical Nursing Dept., MCON, MAHE, Manipal	Interprofessional Collaborative Practice in Medication safety: IPE/IPP Approach
3	Morning	Dr. Prajwal Prabhudev Mane	Assistant Professor, Orthopedic Dept., KMC, MAHE, Manipal.	Prescription Errors. Can it be prevented?
4	Morning	Dr. Girish Thunga	Professor, Pharmacy Practice Department, MCOPS, MAHE, Manipal	Dispensing competencies: Role of Pharmacists.
5	Morning	Dr. Shankar M Bakkannavar	Associate Professor, Department of Forensic Science, KMC, MAHE, Manipal	Legal liabilities with medication errors
6	Morning	Ms. Clarita Shynal Martis	Ph.D Scholar, MCON, MAHE,	Small volume-large volume mix: Errors

			Manipal.	and consequences.
7	Morning	Dr. Ramesh C	Lecturer, MCON, MAHE, Manipal	Drug Calculations
8	Afternoon	Mr. Kalidas	Inpods India	OBE workshop for ICBM faculty
9	Afternoon	Mr. Anup Naha	Associate Professor, Dept. of Pharmaceuticals, MCOPS, MAHE, Manipal	Optimal use of Audio-Visual aids for effective projection of Pharmaceutical education and findings

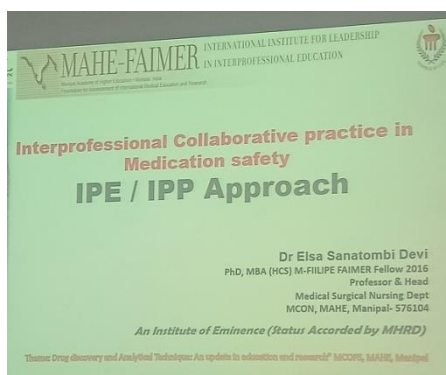
Seminar Presentations:



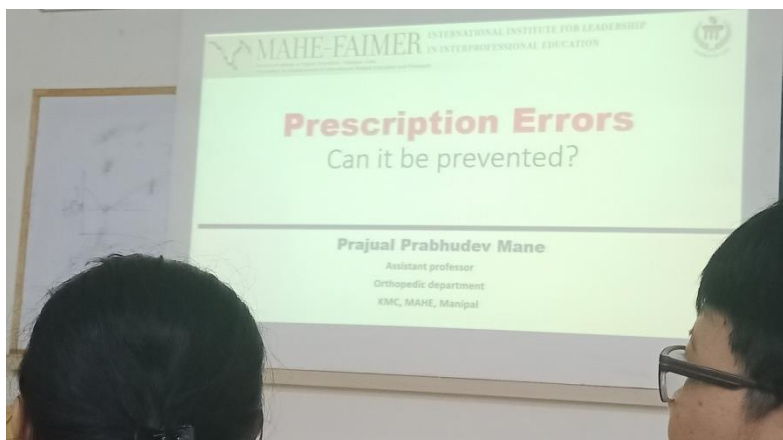
Mr. Ciraj Ali Mohammed, Professor, Microbiology, MMMC, Manipal campus.



Dr. Shankar M Bakkannavar, Associate Professor, Department of Forensic Science, KMC, MAHE, Manipal.



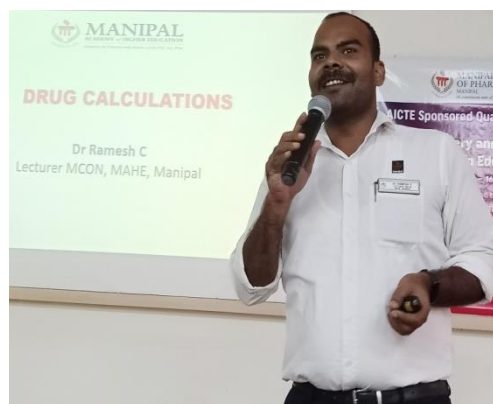
Dr. Elsa Sanatombi Devi, Professor and Head, Medical Surgical Nursing Dept., MCON, MAHE, Manipal.



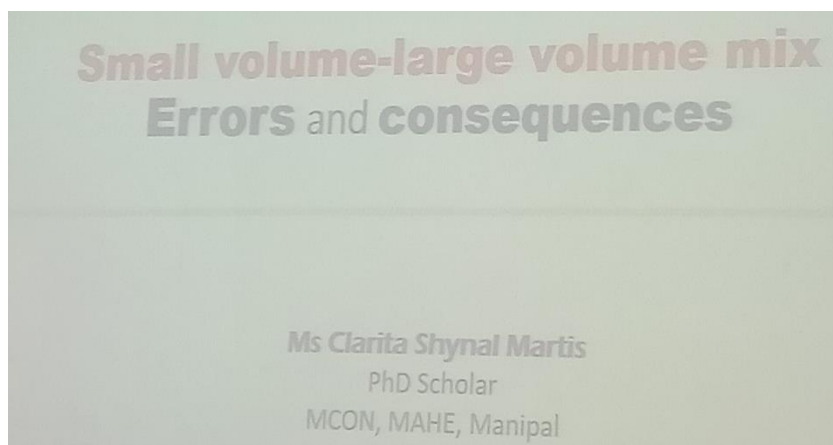
Dr. Prajval Prabhudev Mane, Assistant Professor, Orthopedic Dept., KMC, MAHE, Manipal.



Dr. Girish Thunga, Professor, Pharmacy Practice Department, MCOPS, MAHE, Manipal.



Dr. Ramesh C, Lectures, MCON, MAHE, Manipal.



Ms. Clarita Shynal Martis, Ph.D Scholar, MCON, MAHE, Manipal.



Mr. Kalidas, Inpods India.



Mr. Anup Naha, Associate Professor, Dept. of Pharmaceutics, MCOPS, MAHE, Manipal.



Day – 6 QIP group

Details of the faculty who attended one week QIP on “Drug Discovery and Analytical Techniques: An update in Education and Research” from 4th November to 9th November, 2019 held at Manipal college of Pharmaceutical Sciences, Manipal, Karnataka, India.

S.No.	Name of the Faculty	Department
1	Dr. P.V. Madhavi Latha	Pharmaceutical Analysis



