

1. MCOPS Today:

a. IMS Objectives for the Calendar Year : January - December 2014

Quality Objectives of Manipal University:

Excellence in education, healthcare and research to maintain a place in the top ten private universities in India

QMS Objectives of Manipal College of Pharmaceutical Sciences for the year 2014:

Academic:

- 1 **Examination Results:** Each department aims at achieving a pass percentage of 85% and above, both for undergraduate and postgraduate courses.

Service Delivery Process:

1. **Students' evaluation of faculty:** To maintain the previous target score of 4.2 on a scale of 5. If any faculty member scores below 2.5, he/she shall undergo counseling and will show a 2% improvement on his/her previous scores.
2. **Student feedback on infrastructure:** To attain a minimum score of 3.2 on a scale of 5
3. **Student feedback on academic programs:** To achieve a minimum score of 3.2 on a scale of 5

Research:

- 1 **Scientific papers to be presented in National/International conferences:** 73 (one per a member of faculty)
- 2 **Scientific publications only in Indexed journals of National/International repute:** 73 (one per a member of faculty)
Average Impact Factor (AIF) to be attained by each department = 0.3
- 3 **Research grants worth in crores to be secured:** Rs. 1.5
- 4 **Number of patents to be filed:** 01
- 5 **Number of PhD candidates to be enrolled:** 05

EMS Objectives of Manipal College of Pharmaceutical Sciences for the year 2014:

- 1 **Reduction in paper consumption to be achieved:** A minimum of 5% over a period of 3 years
- 2 **Reporting of all environmental incidents:** 100%

b. Academic Programs :

The college conducts D Pharm, B Pharm, M Pharm, Pharm D and Pharm D Post Baccalaureate and Ph D programmes. M Pharm is offered in 11 specializations based on the industry and academic needs. These specializations are Pharmaceutics, Industrial Pharmacy, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Pharmaceutical Marketing, Pharmaceutical Administration, Pharmacy Practice, Pharmaceutical Quality Assurance, Drug Regulatory Affairs and Pharmaceutical Biotechnology. The college has been offering PhD programmes for the last three decades. Currently, PhD programmes are supported by various funding agencies such as AICTE - QIP, DST, DBT, ICMR, CSIR and DST - INSPIRE. Apart from this, Manipal University offers Structured PhD programme, which enables many pharmacy postgraduate degree holders to work for their doctorate degrees. The Dr TMA Pai Endowment Chair will also give an opportunity for the students to pursue their interest in PhDs at MCOPS.

c. Departments and the Infrastructure:

The true strength of MCOPS is its composition viz 8 departments representing 11 different disciplines of profession of pharmacy. These are chronologically Pharmaceutical Chemistry, Pharmaceutics, Pharmacology, Pharmacognosy, Pharmacy Management, Pharmacy Practice, Pharmaceutical Quality Assurance, Pharmaceutical Biotechnology, Drug Regulatory Affairs and Industrial Pharmacy. The Departments are equipped with the robust infrastructure to train the students and to support the research activities of the college. One of significant additions to its list of the sophisticated instruments is the LCMS-MS, highly-priced equipment that detects even trace amounts of analytes, available in only a few top-rated institutions.

Manipal College of Pharmaceutical Sciences

- Established in 1963
- Offers Diploma, Bachelors, Masters, Practice courses and PhD programmes in pharmacy
- Strengths : A strong faculty (75), students (1,000) and alumni (> 5,500)

MCOPS

The most sought-after destination for pharmaceutical education & research

Departments shown in the infographic:

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy
- Pharmacy Management
- Pharmacy Practice
- Pharmaceutical Quality Assurance
- Pharmaceutical Biotechnology

d. Faculty Strength: 72

M Pharm with PhD	: 53
M Pharm	: 17
M Sc with PhD	: 1
M Sc	: 1

The Staff and Student ratio: 1 : 12

Manipal College of Pharmaceutical Sciences, Manipal has 72 experienced faculty members. Three fourth of MCOPS faculty members are doctorate degree holders and the faculty is committed to teaching and research. The passion with which they teach is reflected in the enviable success of the students in the examinations. No wonder the students have rated the faculty with a high score of 4.07 on a scale of 5. Their research skills are also exemplary.

Apart from the full-time faculty, 36 guest teachers from various reputed pharmaceutical industries supplement the teaching. Further, 75 supporting staff members provide technical assistance to the faculty and students. Following is the Faculty list of MCOPS :

Principal	
C Mallikarjuna Rao, MPharm., PhD.	

Vice Principal	
M Sreenivasa Reddy, MPharm., PhD.	

Department of Pharmaceutical Chemistry	
<i>Professor and Head</i>	G Gautham Shenoy, MPharm., PhD.
<i>Professor</i>	B S Jayashree, MPharm., PhD.
<i>Reader</i>	P V R Chowdary, MPharm.
<i>Associate Professors</i>	Suvarna G Kini, MPharm., PhD. Jessy Elizabeth Mathew, MPharm., PhD. Varadaraj Bhat G, MPharm., PhD. Alex Joseph, MPharm., PhD.
<i>Assistant Professor - Selection Grade</i>	K Vijaya Bhasker, MPharm., PhD G K Sudhakar, MSc. R S Jeyaprakash, MPharm., PhD
<i>Assistant Professors</i>	Aravind Pai, MPharm. Ruchi Verma, MPharm.

Department of Pharmacology	
<i>Professor and Head</i>	Sreedhara R Pai K, MPharm., PhD.
<i>Professors</i>	C Mallikarjuna Rao, MPharm., PhD. N Gopalan Kutty, MSc, PhD.
<i>Associate Professors</i>	Nandakumar K, MPharm., PhD. Rekha R Shenoy, MPharm., PhD. Yogendra Nayak, MPharm., PhD.
<i>Assistant Professor - Senior Scale</i>	Anoop Kishore, MPharm., PhD. Jayesh Mudgal, MPharm., PhD. Nitesh Kumar, MPharm., PhD.
<i>Assistant Professor</i>	Madhavan Nampoothiri, MPharm.

Department of Pharmaceutics	
<i>Professor and Head</i>	K B Koteswara, MPharm., PhD.
<i>Professor</i>	M Sreenivasa Reddy, MPharm., PhD.
<i>Associate Professors</i>	Mahalaxmi Rathnanand, MPharm., PhD. Shaila Angela Lewis, MPharm., PhD. Srinivas Mutalik, MPharm., PhD.
<i>Assistant Professor - Senior Scale</i>	Usha Y Nayak, MPharm., PhD. Anup Naha, MPharm., PhD. Girish Pai K, MPharm. Vamshi Krishna T, MPharm., PhD
<i>Assistant Professor</i>	Lalit Kumar, MPharm.

Department of Pharmacognosy	
<i>Professor and Head</i>	M Manjunatha Setty, MPharm., PhD.
<i>Professor</i>	C S Shreedhara, MPharm., PhD.
<i>Associate Professors</i>	H N Aswatha Ram, MPharm., PhD. K S Chandrashekar, MPharm., PhD. Richard Lobo, MPharm., PhD.
<i>Assistant Professor - Selection Grade</i>	Saleemulla Khan, MPharm., PhD.
<i>Assistant Professor</i>	Vasudev Pai, MPharm.

Department of Pharmacy Practice	
<i>Professor and Head</i>	M K Unnikrishnan, MPharm., PhD.
<i>Associate Professors</i>	Sreedharan, MPharm., PhD. Leelavathy D Acharya, MPharm., PhD. Surulivel Rajan, MPharm., PhD. Vijayanarayana K, MPharm., PhD
<i>Assistant Professor - Selection Grade</i>	Rajesh R, MPharm., PhD.
<i>Assistant Professor - Senior Scale</i>	Rajesh V, MPharm., PhD. Girish Tunga P, MPharm., PhD. Sonal Sekhar M, MPharm. Prasanna Kumar, MPharm. Suhaj A, MPharm.
<i>Assistant Professors</i>	Kanav Khera, MPharm. John Prashanth Kumar P, MPharm.

Department of Pharmacy Management	
<i>Associate Professor and Head</i>	D Sreedhar, MPharm., PhD.
<i>Professors</i>	N Udupa, MPharm., PhD. Anantha Nagappa Naik, MPharm., PhD.
<i>Associate Professor</i>	Manthan D Janodia, MPharm., PhD.
<i>Assistant Professor - Selection Grade</i>	Virendra S Ligade, MPharm., PhD.
<i>Assistant Professor - Senior Scale</i>	Pradeep Muragundi, MPharm.

Department of Pharmaceutical Quality Assurance	
<i>Professor and Head</i>	Krishnamurthy Bhat, MPharm., PhD.
<i>Associate Professors</i>	S G Vasantharaju, MPharm., PhD. Sudheer Moorkoth, MPharm., PhD. Prashant B Musmade, MPharm., PhD. Jagadish P C, MPharm., PhD.

<i>Assistant Professor - Senior Scale</i>	Syed Sajjad Hussien, MPharm., PhD.
<i>Assistant Professors</i>	Muddukrishna B S, MPharm. Swapnil J Dengale, MPharm.

Department of Pharmaceutical Biotechnology	
<i>Professor and Head</i>	J Venkata Rao, MPharm., PhD., PGDIM, PGDHRM.
<i>Professor</i>	V M Subrahmanyam, MTech, PhD.
<i>Associate Professors</i>	Raghu Chandrashekar, MPharm., PhD. Jesil Mathew A, MPharm., PhD.
<i>Assistant Professor - Senior Scale</i>	Venkatesh Kamath B, MPharm.
<i>Assistant Professor</i>	Angel Treasa Thomas, MPharm., PhD

e. Students Strength : 889

B Pharm	: 416
M Pharm	: 227
Pharm D	: 184
Pharm D PB	: 16
PhD	: 46

During the current (2014-15) academic year, 113 B Pharm, 30 Pharm D, 2 Pharm D Post Baccalaureate and 107 M Pharm candidates were admitted. The total student strength is 889, the breakup of which is as follows: B Pharm (I - IV) 416, Pharm D (I - VI) 184, Pharm D Post Baccalaureate (I - III) 16, M Pharm (I, II) 227 and PhD 46.

f. Alumni Strength (updated): 5,851

D Pharm	1,316
B Pharm	2,749
M Pharm	1,592
Pharm D	23
Pharm D - Post Baccalaureate	39
PhD	132
TOTAL	5,851

g. Research output: (Cumulated):

Overall Achievements	Upto 2013	2014	Total
Papers published in International and National journals	1552	103	1655
Presentations in International and National conferences	1557	104	1661
Books Published	12	3	15
Patents Granted	08	-	08
Patents filed	06	1	07
Research Projects Completed	90	15	105
Research Projects ongoing	54	28	82
PhD Completed	117	15	132
PhD Registered	171	7	178
Workshops / Conferences conducted	173	9	182
Grants received (in crores)	15.00	2.16	17.16

h. Patents:**List of Patents in hand : 8**

1. An improved process for the preparation of flavonoids from *Ocimum sanctum* (Krishna Tulsi).
2. Transdermal drug delivery device containing oral antidiabetic drug.
3. Biodegradable polymeric composition for the treatment of diabetes mellitus.
4. Mucoadhesive Buccal Composition containing nicotine useful for smoking cessation and a process for its preparation.
5. Bioadhesive drug delivery system containing parasympathomimetic agent for the treatment of xerostomia.
6. Pharmaceutical composition useful for the treatment of diseases caused by viruses and a process for its preparation.
7. Biodegradable polymeric composition useful in the treatment of periodontitis.
8. Biodegradable polymeric monolithic film useful for the restoration of the periodontium.

List of patents under process: 6

1. Herbal Composition for improving anticancer activity, anti-inflammatory activity and protecting body from oxidative damage and the method of preparing the same.
2. Anti-inflammatory and analgesic activities of a non-ulcerogenic Novel synthetic molecule: 2-(4, 6-dihydroxy-2-mercaptophrindin-5-yl)-2-hydroxy-1H-1dene-1,3 (2H)-Dione (DMPI).

3. Timed-release compression-coated tablet composition for chronotherapy of hypertension.
4. Novel drug delivery system of rivastigmine for the treatment of Alzheimer's disease.
5. Innovative, inexpensive and viable method for the isolation of novel antioxidant flavonoids from the weed, *Coronopus didymus* Linn.
6. A Novel Drug Delivery System for the effective treatment of hypertension.

i. Ongoing Research Projects : 28

- 1 Multicentric study on pharmacogenetics, ICMR, New Delhi (Rs 7.92 lakh)
- 2 Development of new chemical entities for metabolic disorders and tropical diseases - funded by DST- FIST, New Delhi (Rs 62.50 lakh)
- 3 Study of the anti-cancer effect of indigenous medicinal plants bearing sesquiterpene lactones in human epithelial cancer stem cells, Dept of Biotechnology, New Delhi (Rs 13.39 lakhs)
- 4 Marrow derived Stem Cell conditioned media based anti-wrinkle serum Stempeutics Research Pvt Ltd, Manipal (Rs 2.00 lakhs)
- 5 Entrepreneurship Development Cell, AICTE, New Delhi (Rs 6.00 lakhs)
- 6 Preparation and Characterization of water soluble Nanoparticles using supercritical fluid technology, AICTE, New Delhi (Rs 17.00 lakhs)
- 7 Evaluation of *Glycosmis pentapylla* Dc for Histone deacetylase inhibition, AICTE, New Delhi (Rs 11.50 lakhs)
- 8 Design and Synthesis of Novel Flavopiridol Analogues as useful Antiulcer Agents, AICTE, New Delhi (Rs 5.20 lakhs)
- 9 Isolation & Characterization of Phytoconstituent from *Macrosolin paraciticus* Danser and evaluation of their in vitro cytotoxic activity on various cancer cell lines, SERB, New Delhi (Rs 18.50 Lakhs)
- 10 Evaluation of test formulations EB-CJ-01/02 on mineralization/calcium deposition in human osteoblast cell lines, Enovate Pvt Ltd (Rs 1.50 lakhs)
- 11 Development & Evaluation of Liposomal Carrier Systems of Hepatoprotective Agents to Target the Liver, AICTE, New Delhi (Rs 13.00 lakhs)
- 12 Development of novel quercetin analogues intended for selective HDAC-8 inhibition as beneficial anti-cancer agents, SERB, New Delhi (Rs 22.18 lakhs)
- 13 Novel non-ulcerogenic small molecules chemical synthesis and biological efficacy in chronic inflammatory disorders, SERB, New Delhi (Rs 18.80 lakhs)
- 14 Career Award for Young Teachers, AICTE, New Delhi (Rs 1.50 lakhs)
- 15 Evaluation of test formulations E-B-CJ-01/EB-CJ-02 on mineralization in human osteoblast cell lines, Enovate Biolife Pvt. Ltd (Rs 2.63 lakhs)
- 16 Preparation and evaluation of nanoparticulate sunscreens containing plant- based polyphenols, Govt of India, Ministry of Sci & Technology, DBT (Rs 24.17 Lakhs)
- 17 Preparation and characterization of water soluble nanoparticles using super critical fluid technology, AICTE, New Delhi, (Rs. 17.00 Lakhs)
- 18 Career award for young teachers, AICTE, New Delhi (Rs.1.5 Lakhs)

- 19 Design, preparation and evaluation of water soluble nanoparticles, Karnataka state VGST(Rs. 6.0 Lakhs)
- 20 Continuous process for economic production of effervescent preparations of amino acids and other supplements; Collaborative research project with Industry by BIRAC, Government of India, New Delhi; Total amount INR 72 Lakhs (MCOPS: 7.00 Lakhs).
- 21 Development and evaluation of dendrimeric sunscreens; Department of Science and Technology, Government of India, New Delhi; (Rs. 19.22 Lakhs).
- 22 Development and evaluation of topical formulations; Division of Strides Research Ltd Laboratory, Bangalore. (Rs. 15.00 Lakhs).
- 23 Development and evaluation of gastro-retentive dosage forms of a plant extract; Arjuna Natural Extracts Ltd, Kerala. (Rs. 6.24 Lakhs).
- 24 Development of liposomal formulations containing inhibitory drugs; Sponsored by The University of Queensland, Brisbane, Australia. (Rs. 12.00 Lakhs).
- 25 Fertility preservation using Moringa olifera leaf extract in mice treated with chemotherapeutic agents and its mechanism of action; Sponsored by Indian Council for Medical Research (ICMR), Government of India, New Delhi. (Rs. 18 Lakhs).
- 26 Formulation and Evaluation of Lacidipine Nano Drug Delivery Systems. AICTE, New Delhi (Rs.10.58 Lakhs)
- 27 Development and Evaluation of Lipid Based Delivery Systems for Lymphatic Targeting of Anti-HIV drugs: Quality by Design Approach, DBT, New Delhi (Rs.10.80 Lakhs).
- 28 "Pharmaceutical and Patient Care Research in Metabolic Syndrome" Dr M K Unnikrishnan (Ref. BT/Indo-Qld/01.06.2010 Department of Biotechnology Indo-Queensland Research Initiative) (Rs.31,02,000.00)

J. Collaborations established:

(a) With Foreign Universities :

Existing:

- The University of Queensland, Brisbane, Australia
- Michigan University, United States of America
- Napier University, Edinburgh
- University of Wyoming, Laramie, USA
- University of Southern Queensland, Toowoomba, Queensland, Australia
- Lille 2 University of Health and Law, France

New:

- National Institute of Health and Social Studies, Ministry of Education, Employment & Human Resources, Seychelles
- National University of Singapore, Singapore
- The University of Brighton, UK
- The Australian National University, Australia
- The University of Findlay, USA

(b) With National Universities :

- Indian Institute of Science, Bangalore - for PhD programmes
- NITK, Surathkal - for analyzing samples
- National Botanical Research Institute (NBRI) Lucknow - for research activities
- Department of Fisheries Sciences, Mangalore University, Mangalore

(c) With Industries/Research Centres :

- Zodiac Pharma
- Getwell Pharmaceutical, Gurgaon, Haryana
- Indegene Life systems Pvt Ltd , Biocon Pvt Ltd, Medeka Pvt Ltd, Orchid Pvt Ltd Bangalore, Lupin Pharma, Pune, Fincure Nutraceuticals, Global Data Management Pvt Ltd and Wintec Pharma - for placement & PG projects
- HLL Lifecare Ltd, Trivendrum
- Human Rights Protection Foundation (HRPF) Udupi.
- Axxonet System Technologies Private Limited, Bangalore
- Arjuna Natural Extracts Limited, Kerala
- Department of Biotechnology, Government of India, New Delhi

2. Details of our Achievements in 2014:

(a) Our Quality Objectives, Targets and Realizations:

Excellence in education, healthcare and research to maintain a place in top 10 colleges in India is the chief objective of the college.

MEASURABLE PARAMETERS (QMS)

Sl #	Objective	Target	Achieved
	Academic:		
1	Examination Results: The departments of MCOPS aim at achieving a pass percentage of 85% and above for both undergraduate and postgraduate courses	85%	93.18 %
	Service delivery Process: On a Scale of 5		
1	Student evaluation of faculty: To maintain the previous target score of 4.2. If any faculty member's score goes below 2.5 he/she shall undergo counselling and will show 2% improvement on his/her previous score.	4.2	4.07
2	Student feedback on infrastructure	3.2	4.10
3	Student feedback on academic program	3.2	4.23
	Research:		
4	Scientific paper presentations in National and International conferences	73 (one per faculty per year)	105
5	Publications in National and International, Indexed and non-indexed journals To achieve Average Impact Factor (AIF) of 0.3 for publications from each department	73 (one per faculty per year with an AIF of 0.3)	104 AIF = 0.66
6	Amount of research grants to be secured	Rs One crore	Rs 2.16 crores
7	Patents to file	At least one patent more than the previous year	01
8	Number of PhD registrations	A minimum of 10 per year	Registration = 7 Awarded-15

(b) Academics:

Students admission for 2014-15

B Pharm	: 113
Pharm D	: 30
Pharm D	: 2
M Pharm	: 107

Students' Performance :

The quality of MCOPS students can be gauged from their success in the University examination, which is given as follows:

Programmes	Appeared	Promoted %
I B Pharm	78	100
II B Pharm	75	93
III B Pharm	80	80
IV B Pharm	86	91
I Pharm D	30	100
II Pharm D	30	100
III Pharm D	34	94
IV Pharm D	30	100
V Pharm D	28	100
I Pharm D Post Baccalaureate	6	100
II Pharm D Post Baccalaureate	8	100
III Pharm D Post Baccalaureate	10	100
M Pharm – Part I	119	100
M Pharm – Part II	124	100

During the academic year 2013-14, 78 B Pharm, 124 M Pharm, 23 Pharm D, 10 Pharm D – Post Baccalaureate and 15 PhD candidates successfully completed their courses.

(c) Research:**Papers Published: 103**

National : 31
International : 72

Total Impact Factor: 69.38**Conference Presentations: 104**

National : 53
International : 51

Grants Applied : Rs 16,56,02,546.00

Grants sanctioned : Rs 2,47,14,010.00

Grants Received : Rs 2,16,54,637.00

Research Grants : Rs 79,59,543.00
Semianr Grants : Rs 1,06,16,017.00
Travel Grants : Rs 4,26,837.00
Fellowship Grant : Rs 26,52,240.00

MCOPS is known for its research activity and output. The faculty, postgraduates and research scholars publish their research outcome regularly in national and international journals of repute. In the current year, 104 research papers were presented in various national and

international level conferences and 103 research papers were published with a total impact factor of 69.38. The College received grants worth Rs. 2 crores from various government and non-government funding agencies. Details of the research output in terms of conference presentations, publications and grants are as follows:

(i) Conference Presentations : 104

Keeping with the tradition of Manipal University of encouraging faculty and students and to keep abreast with the latest developments, MCOPS deputed its faculty to conferences and workshops outside.

Following are the details:

Oral Presentations in International Conferences : 12						
Sl No	Name of the principal author	Co-authors	Title	Conference	Location	Date & Month
1.	Dr Vamshi Krishna T	M Sreenivasa Reddy	Formulation & Evaluation of Gastroretentive Floating Drug Delivery Systems of Rifampicin.	International Conference on Recent Advances in Health Sciences	Malaysia	14-16 August, 2014
2.	Mr Girish Pai K	M Sreenivasa Reddy	Design and Evaluation of Punch Die Set for Accurate Sizing of Sodium Cromoglycate Ocular Inserts.			
3.	Mr Aravinda Pai	B S Jayashree	Synthesis, Characterization & Antioxidant Evaluation of Novel Piperidinyl Chalcones.	International Conference on Pharmaceutics & Pharmaceutical Sciences	Pullman Surabaya City Centre, Surabaya-Indonesia	14-15 November, 2014
4.	Dr C Mallikarjuna Rao	Shoja M H, Neetinkumar Reddy, K K Srinivasan	Apoptotic & cell cycle inhibitory effects of two active fractions of Glycosmis pentaphylla (Retz) DC on breast cancer cells.			
5.	Dr Sreedhara Ranganath Pai K	Pawan G Nayak, Sahil Talwar, Punit Bansal, Jayesh Mudgal, Nandakumar K	Reversal of Chronic Fatigue Induced Alterations by Sesamol in Mice: Evidence for Involvement of Oxidative stress & Inflammatory Pathway.			
6.	Dr Srinivas Mutalik	Jyothsna Menon, M Sreenivasa Reddy, N Udupa, Harendra S Parekh	Skin Delivery of Ketoprofen: Effect of Peptide Dendrimers in Conjunction with Ultrasound.			

7.	Dr Angel Treasa Alex	Alex Joseph J Venkata Rao, N Udupa	Etoposide Loaded PCL Nanoparticles for Brain Delivery by Nasal Route.			
8.	Dr M Sreenivasa Reddy	Pallavi K Shetty, Srinivas Mutalik	RP-HPLC Analytical Method Development and Validation for Estimation of Silibinin in Nano formulation.			
9.	Dr K B Koteswara	Deepthi Soma, Zenab Attari	Studies on Solid Lipid Nanoparticles of Irbesartan.			
10.	Dr Alex Joseph	Santosh Kumar, Jesil Mathew A, Angel T Alex	Synthesis & Biological Evaluation of Novel Quinolone Substituted Quinazolinones.			
11.	Dr J Venkata Rao	Hitesh V Jagani, M Sreenivasa Reddy	SiRNA loaded chitosomes as an adjuvant therapy in cancer treatment			
12.	Dr Jesil Mathew A	Atulya M, Nabeel Abdulrahman	Design and Evaluation of Moxifloxacin Loaded Liposomes & PLGA Nanoparticles Targeting Pseudomonas aeruginosa Biofilms.	PharmaTech® 2014	Sultan Queen Sirikit National Convention Centre, Bangkok	1-2 December, 2014

Oral Presentations in National Conferences : 38

Sl No	Name of the Author	Co-authors	Title	Conference	Location	Date & Month
1.	Dr Anantha Naik Nagappa		Home Medication Review-Novel Initiative of Community Pharmacists in Public Health	3 rd Annual National Convention of Association of Pharmacy Professionals	Dharmsinh Desai University, Nadiad, Gujarat	18 January, 2014
2.	Mr Muddukrishna B S	Krishnamurthy Bhat, Gautham G Shenoy	Bioavailability enhancement of anticancer drug by cocrystal technology	International Non-communicable Diseases Research Meet, Manipal Chapter'	Manipal	18 - 19 January, 2014
3.	Mr Girish Pai K	M Sreenivasa Reddy	Treating allergic conjunctivitis using novel & targeted drug delivery approach			
4.	Dr Anup Naha	Usha Y Nayak, M Sreenivasa	Development of delayed release ethylcellulose press			

		Reddy, N Udupa	coated Valsartan tablets for chronotherapy of hypertension			
5.	Mr Kanav Khera	Sahiti Doddapaneni, Anantha N, N R Rau	The Impact of Co- morbidities and Extra-articular Manifestations in Rheumatoid Arthritis Patients	2 nd International & 5 th National Conference of Indian Society for Rational Pharmacotherap eutics	Department of Pharma cology of Dayanand Medical College & Hospital, Ludhiana	30 January - 1 February, 2014
6.	Dr Anup Naha	M Sreenivasa Reddy, Koteshwara K B	<i>In vivo</i> characterization & stability evaluation of Self Nano Emulsifying Drug Delivery System for the delivery of Glibenclamide	11 th Annual Conference of International Society for Heart Research (ISHRCON 2014NIPER)	Mohali, Niper	8 - 9 February, 2014
7.	Dr Jesil Mathew A	Atulya M, C Mallikarjuna Rao, N Udupa, J Venkata Rao	Anticolon cancer activity of chloroform soluble fraction of root of <i>Xanthium strumarium</i>	33 rd Annual Convention of Indian Association for Cancer Research organized by The Rajiv Gandhi Centre for Biotechnology, Trivandrum	Kollam, Trivandrum	13 - 15 February, 2014
8.	Dr H N Aswatha Ram	Rupali Deshpande, C S Shreedhara	Antidiarrheal activity of Rajanyadi churna alcoholic extract in rats	18 th Annual Convention of Society of Pharmacognosy	Rohtak, Haryana	21 - 22 February, 2014
9.	Dr M Surulivel Rajan	Jewel Maria Francis, Vaishnavi Naik, Kavitha Saravu	Assessment of the impact of focused training program in performing effective medication review	Inaugural Convention of the Indian Association of Colleges of Pharmacy and Indian Congress of Pharmacy Practice 2014	Bangalore	21 - 22 February, 2014
10.	Dr Leelavathi D Acharya	N R Rau, N Udupa, Surulivel Rajan, Vijayanarayan	Assessment of cost of illness of type -2 diabetic patients in a tertiary care teaching hospital			
11.	Dr K B Koteshwara	Deepthi Soma, M Sreenivaa Reddy, Anup Naha	Formulation and Evaluation of oral sustained release Irbesartan loaded Solid Lipid Nanoparticles	3 rd International Conference on Drug Delivery ICODD2014	PSG College of Pharmacy, Coimbatore	28 February - 1 March, 2014

12.	Dr M K Unnikrishnan		Koino Philia and its Exaptation: A Key Trigger to Cognitive Development	1 st Annual Conference on Cognitive Sciences	India International Centre, New Delhi	3 - 5 March, 2014
13.	Mr Kanav Khera	Sajid Champsi, Nagappa A Nayak	Assessment of education needs in Rheumatoid Arthritis patients using the Indian Version of the Education Need Assessment Tool (ENAT)	SPER 3 rd Annual Conference on "Recent Trends in Pharma Industry: Bridging the Gaps in Pharmaceutical Education"	Sh. Baldev Raj Mittal Auditorium, Lovely Professional University, Phagwara (Punjab)	7 - 8 March, 2014
14.	Mr Vamshi Krishna T	Sreenivasa Reddy M	Formulation and Evaluation of Multiparticulate Dosage Forms of Rifampicin and Isoniazid with Improved Rifampicin Stability	National Conference on Innovations & Trends in Pharmaceutical Sciences	Nirmala College of Pharmacy, Atmakuru, Mangalagiri, Guntur, Andhra Pradesh	29 March, 2014
15.	Dr Anup Naha	Saikiran P, Ankita D Chonkar, M Sreenivasa Reddy, K B Koteswara	Bioavailability Enhancement of Candesartan Cilexetil by Solid Dispersions	International Conference on Electron Microscopy	University of Delhi, Delhi	9-11 July, 2014
16.	Dr Nandakumar K	Sahil Talwar, Subhankar Biswas, Pawan G Nayak, Piya Paul Mudgal, Thakur Desai, S Mohan	Evaluation of IND02 for its protective effect against Carboplatin induced thrombocytopenia in rats	National Conference on "Advances in drug design, discovery & development"	Anna University, Trichy	24-25 July, 2014
17.	Dr Rekha R Shenoy	Sherin Babykutty, Sumisha Jose, C Mallikarjuna Rao	An appraisal of the topical application of Jatyadi taila on normal & dexamethasone delayed wound healing: A preclinical assessment			
18.	Dr Anoop Kishore	Pawan G Nayak, Jayesh Mudgal, Nitesh Kumar, Nandakumar K, Rekha Shenoy, Neetin Reddy, Ramalingayya Grandhi Venkata, N Gopalan Kutty	Novel thiazolidinone derivatives as anti-inflammatory agents: In-vivo evaluation using acute and chronic models of inflammation			

19.	Dr Yogendra Nayak	Mr Albi Francis	Zingiber zerumbet rhizomes prevents IBD in rats			
20.	Dr Nitesh Kumar	Neetinkumar Reddy, C Mallikarjuna Rao, Prateek Jain, P Vasanth Raj, N Udupa	Liposomes of silymarin increases <i>in vitro and in vivo</i> hepatoprotection against alcohol induced hepatotoxicity			
21.	Dr Nitesh Kumar	Snehashis Das, K Nandakumar, C Mallikarjuna Rao	Aphrodisiac activity of aqueous extract of pulp of <i>Tamarindus indica</i> in Male Wistar rats	National Seminar on "Role of Biotechnology in development of therapy/ drug and vaccines"	JSS College of Pharmacy, Ooty	13-14 August, 2014
22.	Dr Nandakumar K	Alkesh Patel, Neetin Reddy, Sherin B Kutty	"Pharmacological evaluation of aqueous extract of <i>Solanum nigrum</i> Linn in Methotrexate induced oral mucositis"			
23.	Dr Anoop Kishore	Geetha Mathew, Neetin Kumar Reddy, Pawan G Nayak, Nandakumar K, Rekha Shenoy, C Mallikarjuna Rao, N Gopalan Kutty	Novel nicotinic acid derivatives as modulators of NFkB expression: An <i>in vitro</i> assessment using L-6 myotubes			
24.	Dr R S Jeyaprakash	Manikantaswamy	Design, Synthesis and Evaluation of <i>in vitro</i> cytotoxicity of some novel heterocyclic compounds			
25.	Dr Suvarna G Kini	Rajeev Pandey	Synthesis, Molecular Docking & Biological Evaluation of Few Novel Benzoxazole Derivatives	Amrita Pharmaceutical Conference (APC-2014), National	Amriteshwari Hall, AIMS, Kochi	29-30 August, 2014
26.	Dr Jessy Elizabeth Mathew	Samir Nejah Jabbar	Synthesis of 6-Chloro-2-Methyl-3-(3-Phenylacryloyl)-Chromen-4-one Derivatives and Evaluation of their Cytotoxic Activities	Conference on "Infectious Diseases - A Medicinal Chemistry Perspective"		
27.	Dr Chandrashekar K S	Yamini D	<i>In Vitro</i> Anti-Alzheimer's Activity of the various fractions of the Ethanolic extract of	VATAYANA 2014 - National Seminar on Neurodegenerative Conditions	Bangalore	15 th August, 2014

			<i>Nardostachys jatamansi</i> using Acetyl cholinesterase inhibitory assay			
28.	Dr K Vijaya Bhasker	Priyanka Ahuja, PVR Chowdary, Chethan G H	A facile and one-pot synthesis of novel 2- Pyrone derivatives via ionic liquid catalysed Knoevenagel reaction and their biological evaluation	Symposium on Recent Advances in Medicinal Chemistry (ISRAM-2014)	Niper, S.A.S Nagar	8-10 September, 2014
29.	Dr Yogendra Nayak	Dasari Naga Naresh, Usha Y Nayak	Pharmacokinetic Study of Nelfinavir Nanocrystals	International Conference on 'Innovations & Future Research Dimensions on Nano-Bio pharmaceutical Technology	Anna University, BIT Campus, Tiruchirapp alli, Tamil Nadu	7-8 October, 2014
30.	Dr R S Jeyaprakash	Amruta Shukla	Synthesis of novel 1, 2- diazoles and evaluation of their anticancer activity			
31.	Dr Rekha R Shenoy	Phani Krishna Kondamudi, Hemalatha Kovelamudi	Effects of dehydrozingerone in DNCB-induced model of IBD	2 nd International Conference on Emerging Trends in Chemical and Pharmaceutical Chemicals	CSIR-IICT, Hyderabad	15-17 October, 2014
32.	Dr D Sreedhar		End of the Blockbuster Model - What Next?	3 rd International Conference & Exhibition on Pharma covigilance & Clinical Trials	HICC, Hyderabad	27-29 October, 2014
33.	Dr V M Subrahman yam	N Purushottam Kumar, Vishal Mahadu Kale, J Venkata Rao	Enzymatic hydrolysis of xylan by a fungal xylanase and production of xylose syrup	55 th Annual Conference on Empowering Mankind with Microbial Technologies	Tamil Nadu Agricultural University, Coimbatore	12-14 November, 2014
34.	Mr Lalit Kumar	Sreenivasa M Reddy, Ruchi Verma	Selection of Cryoprotective Agent and its Effect on Stability of Valsartan Nanoparticles	4 th National Conference of Society of Biological Scientists of India on "Role of Molecular Biology in the Diagnosis & Management of Communicable and Non- Communicable Diseases"	Yenepoya University Campus, Deralakatte	18-20 November, 2014
35.	Mrs Ruchi Verma	Gautham G Shenoy	Recent Updates in Tuberculosis Management			

36.	Dr Anup Naha	Koteshwara K B, Ikyra Rai	Self Nano-Emulsifying Drug Delivery System (SNEDDS) for Improvement in Delivery of Glibenclamide	29 th Annual Conference of Indian Pharmacy Graduates Association	Lovely Professional University, Phagwara, Punjab	22-23 November, 2014
37.	Dr V M Subrahmanyam	K Narayanan, N Sivagurunathan, K Natrajan, J Venkata Rao	Optimization of cultural conditions for production of chondroitinase by <i>Candida</i> species	APTICON 2014	Pune	28-30 November, 2014
38.	Dr Usha Yogendra Nayak	Santhoshi G Reddy, Om Prakash Ranjan, M Sreenivasa Reddy	Optimization of gastro retentive pulsatile dosage forms by central composite design	International Conference on Computational Methods in Engineering & Health Sciences	MIT, Manipal	17-19 December, 2014

Poster Presentations in International Conferences : 39

Sl No	Principle Author	Co-authors	Title	Conference	Location	Date & Month
1.	Dr Jagadish P C	Sudheer Moorkoth, Kannan P	Evaluation of anti-microbial activity of novel oxazolone derivatives against selected skin microorganisms	High-Content Analysis'	La Jolla, CA USA	19-20 February, 2014
2.	Dr Sudheer Moorkoth	Srinivasan K K, Gopalan Kutty N, Naseer M	Synthesis & evaluation of a series of novel thiazolidinone analogues of 6-aminoflavone as anticancer and anti-inflammatory agents			
3.	Dr S G Vasantharaju	Krishna murthy Bhat, Sudheer Moorkoth	Drug Repurposing: An Accelerating Approach to Drug Discovery	DUPHAT 2014'	Dubai, United Arab Emirates	10-12 March, 2014
4.	Dr Syed Sajjad Hussien	Ghudasara Naimish, Krishnamurthy Bhat, Swapnil Dengale	Comparison of Risk Management Plan (RMP) regulations of European Medical Agency and Risk Evaluation & Mitigation Strategy (REMS) of United States Food and Drug Administration			
5.	Mr Pradeep M Muragundi	Vikash Sinha, Karthaveerya Juluru,	Identification and profiling of Key Opinion Leaders in Asia			

		Virendra S Ligade	Pacific and Europe for Hepatitis C			
6.	Mr Lalit Kumar	M Sreenivasa Reddy	Preparation & Evaluation of Valsartan Nanoparticles			
7.	Dr Srinivas Mutalik	Jyothsna Manikkath, Haritima Joshi, Harendra S Parekh	Combined effect of sonophoresis & peptide on the transdermal permeation of ketoprofen across human skin			
8.	Dr M Sreenivasa Reddy	Om Prakash Ranjan, Udupa N, Usha Y Nayak	Development & evaluation of delayed release beads for chronotherapy of asthma & allergic rhinitis			
9.	Dr B S Jayashree	Goutham P, Jobin Ravi	Synthesis Characterization & Biological Evaluation of Quinolone-2-one Derivatives			
10.	Dr Varadaraj Bhat G	Matam Kartheek	Synthesis & biological evaluation of 3- (4-substituted- phenyl)- 4.5 - dihydro - 5 - (4 - morpholinophenyl) pyrazole- 1-substituted -amides by Scaffold hopping of oxazolidinone with pyrazoline nucleus			
11.	Dr G Gautham Shenoy	Cinu Thomas, Sidhartha Sankar Kar, Varadaraja Bhat G	Design, Synthesis and Evaluation of Novel Diphenyl ethers as Antitubercular agents			
12.	Dr Jessy Elizabeth Mathew	Jesil Mathew, Sandeep Lohan	Synthesis of novel pyridine-2-one derivatives & evaluation of their antioxidant, antiinflammatory & anti-proliferative activities			
13.	Dr Girish Thunga P	Nikil Bhagvandas	Assessment of need, development & implementation of supportive management database for the treatment of poisoning cases in a tertiary care hospital			

14.	Mr Sonal Sekhar M	Raymol Thomas Roy, Unnikrishnan M K, Gabriel Sunil Rodrigues	Impact of Patient Education on Health-Related Quality of Life of Diabetic Foot Ulcer Patients - A Randomized Controlled Study	'5 th FIP Pharmaceutical Sciences World Congress'	Melbourne, Australia	13-16 April, 2014
15.	Mr Suhaj A	Unnikrishnan M K, Mohan K Manu, C Mallikarjuna Rao, Vijaya narayana K	Study of antibiotic consumption pattern in Acute Exacerbation of COPD			
16.	Dr Syed Sajjad Hussien		Dissolution profile comparison of Linezolid tablets by model independent approach using similarity factor method & establishing the product quality performance			
17.	Dr C S Shreedhara	Nimmy Kumar, Laxman P Sawant	Separation & Identification of new marker compounds from butanol fraction of methanolic extract of <i>Basella Alba</i>	Drug Discovery & Therapy World Congress 2014 (DDTWC 2014)	John B Hynes Veterans Memorial Convention Center, Boston, USA	18-19 June, 2014
18.	Dr B S Jayashree	Sukriti Nigam, Simarjeet Kaur, Neetin Kumar D Reddy, C Mallikarjuna Rao	Preliminary phytochemical investigation of the <i>Aphanamixis polystachya</i> for its Antioxidant & cytotoxic potential	Conference on Trends in Natural Products Research 2014	Olomouc, Czech Republic	23-25 June, 2014
19.	Dr Alex Joseph	Santosh Kumar, Jesil Mathew A, Sharad Kumar Suthar, Angel Treasa Alex	Novel Quinolone substituted imidazolidinones as anti-inflammatory, anticancer agents: Synthesis, biological screening & molecular docking	15 th Tetrahedron Symposium	London, UK	24-27 June, 2014
20.	Dr Sudheer Moorkoth	Alex Joseph, N Gopalan Kutty	Synthesis & evaluation of novel heterocyclic analogues of amino-flavone for anticancer activity			
21.	Mr Lalit Kumar	M Sreenivasa Reddy	Selection of Stabilizer for Polymeric Nanoparticles	International Conference on Recent Advances in Health Sciences	Malaysia	14-16 August, 2014

22.	Dr R Rajesh	MPulagam P, Vidyasagar, SV Danturulu, MV	Dermatological & Hematological Adverse Effects of Highly Active Antiretroviral Therapy at HIV Clinic in Indian HIV Positive Patients	'FIP World Congress 2014'	Bangkok, Thailand	31 August - 4 September, 2014
23.	Mr Muddukris hna B S	Krishnamurthy Bhat, Gautham G Shenoy	Development & Validation of RP-HPLC method for Paclitaxel in small volumes of rat plasma using protein precipitation techniques			
24.	Mr Swapnil J Dengale		Preparation & Characterization of binary amorphous precipitates of Ritonavir & Quercetin			
25.	Dr N Udupa	Prateek Jain, Alkesh Kumar Lokhande	To Measure the impact of Patient Counseling in Antenatal Care at Tertiary Care Teaching Hospital, South Karnataka			
26.	Dr N Udupa	Prateek Jain, Alkesh Kumar Lokhande	Perception pattern analysis of self- medication practices among people in southern district of Karnataka	Asia Consortium ISPOR Conference	Beijing, China	6-10 September, 2014
27.	Dr Anantha Nagappa Naik	Muragundi PM, Kotlo A, Maram A, Krovvidi SA, Srikanth MV, Udupa N	What is the status of Health Related Quality of Life Among Medical Representatives in India?			
28.	Dr C S Shreedhara	Vijaya Kumar S, Dhirendra B Sanghai	Estimation of Rutin in <i>Melia Azedarach</i> L. By HPTLC	'PharmSci 2014'	London, UK	8-10 September, 2014
29.	Dr Richard Lobo	Vijaykumar Sodde, Nimmy Kumar	<i>In Vitro</i> Cytotoxic Activity of <i>Elytranthe Parasitica</i> (L.) Danser on Human Neuronal Glioblastoma Cells (U- 343-MG)			
30.	Mr Prasanna Kumar	Aviral D, Beegum Sheena K, Tarun R, Ravindra Prabhu A, Manohar Bairy	To Assess Patient Reported Outcomes on Inter / Intra-Dialytic Symptoms in Relation to Sodium Conductance	The Renal Group Conference	Manchester, UK	26-27 September, 2014.

31.	Dr M Manjunath Setty	Raviraj Anand Devkar, Devang Khamar, Smitha Hegde	<i>In Vitro</i> Production and Quantification of Curculigoide from Callus Culture of <i>Curculigo Orchioides Gaertn</i>	International Conference on Pharmaceutics and Pharmaceutical Sciences	Pullman Surabaya City Centre, Surabaya-Indonesia	14-15 November, 2014
32.	Dr H N Aswatha Ram	Rupali Deshpande, Shreedhara C S	<i>In Vitro</i> Antioxidant potential & Antibacterial activity against diarrhea causing organism <i>Escherichia coli</i> of Rajanyadi churna extracts			
33.	Dr Saleemulla Khan	Jignesh Trivedi, Srinivasan K, Annie Shirwaikar	Anti-Osteoporotic Effect of Hexane Fraction of Ethanol Extract of <i>Cissus Quadrangularis</i> Linn. (Vitaceae) & its Unsaponifiable Matter, In Ovariectomized Rat Model			
34.	Mr Vasudev R Pai	C S Shreedhara, K S Chandrashekar	<i>In Vitro anti-oxidant and acetylcholinesterase inhibition assay of Punica granatum (peel) and Gmelina arborea (bark) extracts</i>			
35.	Dr S G Vasantharaju	D Viswanath Guptha, Raghavendra Shetty, Swapnil J Dengale, Muddu Krishna B S	Bioanalytical method development & validation of Amino-phylline in rat plasma using RP-HPLC-An application to preclinical pharmacokinetics			
36.	Dr Sudheer Moorkoth	Ashish Dubey	Development of a Stability Indicating RP-HPLC Method Compatible with LC-MS/MS for Effaverinz			
37.	Dr Prashant B Musmade	Naresh Bejugam, Swapnil J Dengale, Raghavendra Shetty	Novel Liquid Chromatographic Method for Simultaneous Quantification of Atovaquone & Proguanil with its active Metabolite Cycloguanil in Human Plasma			
38.	Dr Vijayanarayana K	Radhakrishna, N Rau, Anantha N Naik, Girish Thunga, Sreedharan Nair	Identification of risk factors associated with mortality & development of mortality prediction			

			model for hospital acquired pneumonia			
39.	Dr Sreedharan Nair	Sowmya Annavarapu, Vijayanarayana K, Girish Thunga	Systemic Lupus Erythematosus: Clinical manifestations, treatment patterns & outcome			

Poster Presentations in National Conferences : 15

Sl No	Name of the principle author	Co-authors	Title	Conference	Location	Date & Month
1.	Dr K Vijaya Bhasker	Srinivasan K K	Synthesis of Tetrahydrobenzo[b]pyrans by using Ionic liquids in hydro-alcohol media	CRSI 2014	Mumbai	7-9 February, 2014
2.	Mr John Preshanth Kumar P	Manjunatha Hande, Muralidhar Varma, Chiranjay Mukhyopadhyay, Harishchandra Hebbar, Surulivel Rajan	Physician's perception on antimicrobials and stewardship program in a tertiary care Indian academic hospital	'KC MICROCON 2014'	Department of Microbiology Kasturba Medical College, Manipal	23rd February, 2014
3.	Dr S G Vasantharaju	Sai Vijay	Stability Indicating Assay Method Development & Validation of Naratriptan Hydrochloride By RP-HPLC	IPA Convention 2014	Nimhans Convention Center, Bangalore	8 August, 2014
4.	Dr Usha Yogendra Nayak	Mohan Singh	Development and evaluation of Risperidone liposomes for brain targeting	Innovations & Future Research Dimensions on NanoBiopharmaceutical Technology	Anna University, BIT Campus, Tiruchirappalli, Tamil Nadu	7-8 October, 2014
5.	Mr Venkatesh Kamath B	Bishnupriya G T, Venkata Rao J, Raghu Chandrashekhar	A Study on Antimicrobial Activity of <i>Costus Pictus</i>	55 th Annual Conference on Empowering Mankind with Microbial Technologies	Tamil Nadu Agricultural University, Coimbatore	12-14 November, 2014
6.	Dr Angel Treasa Alex	Alex Joseph A, Kishore A, Rao J V, N Udupa	Polymetric Nano particles of Etoposide for Brain Delivery by Nasal Route: <i>In vitro</i> , <i>Ex vivo</i> & <i>In situ</i> Evaluation	4 th National Conference of SOBSCICON 2014	Indoor Auditorium, Academic Block, Yenepoya Medical	18-20 November, 2014

7.	Dr Jayesh Mudgal	Reddy Manohara S A, N Gopalan Kutty	Preclinical Profiling of A Promising Drug Candidate For The Treatment Of Arthritis		College, Mangalore	
8.	Dr Virendra S Ligade	M Pradeep, N Udupa	Companies View on Cosmeceuticals in Indian Context	APTICON 2014	Pune	28-30 November, 2014
9.	Mr Pradeep M Muragundi	Veerendra Ligade, N Udupa, Anantha N Naik	What is the Status of Health Related Quality of Life among Young Smokers?			
10.	Dr Yogendra Nayak	N Udupa	Important Research in Performance of Academic Institutions			
11.	Dr Jagadish P C	Akula Ramesh, Srinivas Mutalik	Development & Validation of Stability Indicating Assay Method for Maraviroc by RP-HPLC			
12.	Dr Shaila Angela Lewis	Amita Bhandari, Zenab Attari, Prashanth Musmade	Quercetin as CYP3A4 inhibitor for Improved Oral Bioavailability of Felodipine			
13.	Dr Prashant B Musmade	Ankit Kumar, Swapnil J Dengale, Krishnamurthy Bhat, N Udupa	Optimization & validation of novel liquid chromatographic method for simultaneous estimation of hydrochloride & montelukast sodium in pharmaceutical dosage form using response surface methodology			
14.	Dr Jayesh Mudgal	Manohara S A Reddy, Geetha Mathew, N Gopalan Kutty	Mechanistic profiling of heterocyclic homoprostanoid derivatives against chemical mediated inflammation	SMRM Annual Conference Manipal 2014	School of Life Sciences, Manipal University	8-9 December, 2014
15.	Mr Madhavan Nampoothiri G	C Mallikarjuna Rao, Jessy John, Nitesh Kumar, Jayesh Mudgal	Simvastatin, a lipid lowering agent, modulates oxidative stress against aluminium induced cognitive dysfunction in hippocampus of rats			

(ii) Publications of Research Papers: 103**International Publications : 72**

Sl#	Authors	Title	Journal Name
1.	M Sonal Sekhar, MK Unnikrishnan, K Vijayanarayana, Gabriel Sunil Rodrigues, Chiranjay Mukhopadhyay.	Topical application/formulation of probiotics: Will it be a novel treatment approach for diabetic foot ulcer?	Medical Hypotheses. 2014, 82, 86-88.
2.	Jayesh Mudgal, Vasantharaju S Gowdra, Geetha Mathew, Pawan G Nayak, Nitin D Reddy, Neelesh Namdeo, Ravilla R Kumar, Chaitanya Kantamaneni, Mallikarjuna R Chamallamudi, Gopalan K Nampurath.	Remedial effects of novel 2,3 - disubstituted thiazolidin - 4-ones in chemical mediated inflammation.	Chemico-Biological Interactions. 2014, 210, 34-42.
3.	Girish Pai K and M Sreenivasa Reddy	Formulation and Evaluation of Extended Release Ocular Inserts prepared from Synthetic and Natural Biodegradable - Biocompatible Polymers.	Research Journal of Pharmaceutics and Technology; January 2014, 7(1), 48 - 51.
4.	Phani Krishna Kondamudi, Hemalatha Kovelamudi, Geetha Mathew, Pawan G Nayak, Mallikarjuna C Rao and Rekha R Shenoy.	Investigation of Sesamol on Myeloperoxidase and Colon Morphology in Acetic Acid - Induced Inflammatory Bowel Disorder in Albino Rats.	The Scientific World Journal, Jan 2014, 1-7.
5.	Muddukrishna B S, Krishnamurthy Bhat and Gautham G Shenoy.	Preparation and Solid State Characterization of Paclitaxel Cocrystals.	Research Journal of Pharmaceutics and Technology, Jan 2014, 7(1); 64-69.
6.	Raghu Jetti, Raghuveer CV, Mallikarjuna Rao C, Somayaji SN, Prakash Babu B.	Neuroprotective Effect of Ascorbic acid and Ginkgo biloba against Fluoride caused Neurotoxicity.	IOSR Journal of Environmental Sciences, Toxicology & Food Technology, Feb 2014, Vol: 8(1); 30-36.
7.	M Atulya, A Jesil Mathew, J Venkata Rao, C Mallikarjuna Rao.	Influence of milk components in establishing biofilm mediated bacterial mastitis infections in cattle: A fractional factorial approach.	Research in Veterinary Science. 2014, 96(1), 25-27.
8.	Vamshi Krishna T, M Sreenivasa Reddy.	Formulation and Evaluation of enteric coated pellets of Rifampicin and Isoniazid with improved Rifampicin Stability.	Asian Journal of Pharmaceutical and Clinical Research. 2014; 7(1), 154-156.
9.	Kranti P Musmade, M Trilok, Swapnil J Dengle, Krishnamurthy Bhat, M S Reddy, Prashant B Musmade & N Udupa.	Development and Validation of Liquid Chromatographic Method for Estimation of Naringin in Nanoformulation.	Journal of Pharmaceutics, 2014.

10.	Prashanth Kumawat, Jagadish PC, Muddukrishna & Krishnamurthy Bhat.	Development and Validation of Stability Indicating HPLC Method for Clotrimazole Lozenges Formulation.	International Journal of Pharmacy and Pharmaceutical Sciences. 2014, 6(1), 126-129.
11.	Verma R, Das M, Mohamed Saleem TS, Kumar L, Gauthaman K.	Protective effect of catechin from black tea in an in-vitro model of myocardial ischemic reperfusion injury.	Journal of Pharmacy Research, 2014, 8(1),
12.	Vamshi Krishna T, M Sreenivasa Reddy.	Formulation and Evaluation of Multiparticulate systems of Rifampicin and Isoniazid with improved rifampicin stability.	International Journal of Pharmacy and Pharmaceutical Sciences. 2014; 6(2), 386-388.
13.	Maulick Chopra, Usha Y Nayak, Aravind Kumar Gurrum, M Sreenivasa Reddy and KB Koteshwara.	Formulation, Characterization and In Vivo Evaluation of Self Nanoemulsifying Drug Delivery System for Oral Delivery of Valsartan.	Current Nanosciences. 2014, 10(2), 263-270.
14.	Pramod B Kumar, Suvarna G Kini and Muhammad Mubeen.	Synthesis, Antimicrobial and Docking studies of novel benzotriazole Derivatives.	International Journal of Pharma and Bio Sciences, April 2014, 5(2), 35-42.
15.	Daniel Dhayabaran, Ebinezar Jeyaseeli Florance, Krishnadas Nandakumar, Alagarsamy Shanmugarathinam, Ayarivan Puratchikody	Anticonvulsant activity of fraction isolated from ethanolic extract of heartwood of Cedrus deodara.	Journal of Natural Medicine (2014) 68 : 310-315.
16.	Vamshi Krishna T, M Sreenivasa Reddy.	Isocratic High Performance Liquid Chromatographic (HPLC) Determination of Rifampicin in Presence of Isoniazid.	Research Journal of Pharmacy and Technology, 7(3), March 2014, 328-331.
17.	Vamshi Krishna T, Lalit Kumar, M Sreenivasa Reddy, Muddukrishna B S, and Girish Pai K.	Process Deviations in Pharmaceutical Industry: Various Types, Handling Procedure and Systems.	Research Journal of Pharmacy Technology, March 2014, 7(3), 340-342.
18.	Jayashree BS, Kawade Shishir, Venkatechalam H.	Anticancer Evaluation of some novel Iminoflavones.	Research Journal of Chemistry & Environment. January 2014, Vol 18(1), 32-40
19.	Prachi Sharma, MK Unnikrishnan and Abhishek Sharma.	Sexual violence in India: addressing gaps between policy and implementation.	Health Policy and Planning, 2014, 1-4.
20.	Geetha Mathew, Magith Thambi, MK Unnikrishnan.	A multimodal Darwinian strategy for alleviating the atherosclerosis pandemic.	Medical Hypotheses, 2014, 82(2); 159-162.
21.	Bhagat Singh, Ganesh V Sangle, Jeya Murugan, Rinku Umrani, Subhasis Roy, Onkar Kulkarni, Arvind Semwal, MK Unnikrishnan and Mukul Jain.	Effect of combination treatment of S-amlodipine with peroxisome proliferator-activated receptor agonists on metabolic and cardiovascular parameters in Zucker fa/fa rats.	Diabetology & Metabolic Syndrome. 2014, 6(45), 1-7.

22.	Dhirendra B Sanghai, Vijaya Kumar S, KK Srinivasan and CS Shreedhara.	Antioxidant & Hepato-protective Potential of Leaves of <i>Clitoria ternatea</i> (L).	International Journal of Pharmaceutical & Phyto pharmacological Research (eIJPPR). 2014; 3(4), 337-342.
23.	Dhanya Sunil, Ranjitha, S Balaji and KSR Pai.	(E)-1-(2,3-dimethoxyphenyl)-N-(4-methylpyridin-2-yl) methanimine as a potent anticancer agent against colorectal cancer.	International Journal of Pharmaceutical Chemistry. 2014, 04 (01).11-14
24.	Srinivasa Rao Sirasanagandla, Sreedhara Ranganath Pai Karkala, Bhagath Kumar Potu and Kumar MR Bhat.	Beneficial Effect of <i>Cissus quadrangularis</i> Linn. On Osteopenia Associated with Streptozotocin -Induced Type 1 Diabetes Mellitus in Male Wistar Rats.	Advances in Pharmacological Sciences. 2014, 04(01),
25.	Om Prakash Ranjan & Usha Y. Nayak & M. Sreenivasa Reddy & Swapnil J. Dengale & Prashant B. Musmade & Nayanabhirama Udupa.	Optimization of Chronomodulated Delivery System Coated with a Blend of Ethyl Cellulose and Eudragit L100 by Central Composite Design: In Vitro and In Vivo Evaluation.	Journal of Pharmaceutical Innovation 2014; 9, 95-105.
26.	Vamshi Krishna T, Girish Pai K, Mohan Singh, Lalit Kumar, M Sreenivasa Reddy.	Comparative evaluation of a few marketed products of amoxicillin trihydrate Dispersible Tablets IP.	Asian Journal of Pharmaceutical and Clinical Research. April 2014, Vol 7(2), 109-110
27.	Vasantharaju S Gowdra, Jayesh Mudgal, Punit Bansal, Pawan G Nayak, Seethappa A Manohara Reddy, Gautham G Shenoy, Manna Valiathan, Mallikarjuna R C, and Gopalan K Nampurath.	Synthesis, Characterization, & Preclinical Evaluation of New Thiazolidin - 4 - Ones Substituted with p-Chlorophenoxy Acetic Acid & Clofibrilic Acid against Insulin Resistance & Metabolic Disorder.	BioMed Research International. Vol 2014: June 2014: 1 to 14.
28.	V Ganga Prasad, Shishir Kawade, BS Jayashree, Neetinkumar D Reddy, Albi Francis, Pawan G Nayak, Anoop Kishore, K Nandakumar, C Mallikarjuna Rao and Rekha R Shenoy.	Iminoflavones Combat 1,2 - Dimethyl Hydrazine - Induced Aberrant Crypt Foci Development in Colon Cancer.	BioMed Research International, Vol 2014, 1 to 7
29.	Sumit Bansal, Manju Bala, Sharad Kumar Suthar, Shivani Choudhary, Shoumyo Bhattacharya, Varun Bhardwaj, Sumit Singla, Alex Joseph.	Design and synthesis of novel 2-phenyl-5-(1,3-diphenyl-1H-pyrazol-4-yl)-1,3,4-oxadiazoles as selective COX -2 inhibitors with potent anti-inflammatory activity.	European Journal of Medical Chemistry. 80(2014), 167-174.
30.	Swapnil J Dengale, Om Prakash Ranjan, Syed Sajjad Hussien, BSM Krishna, Prashant B Musmade, G Gautham Shenoy,	Preparation & characterization of co-amorphous Ritonavir-Indomethacin systems by solvent evaporation technique: Improved dissolution behavior and physical	European Journal of Pharmaceutical Sciences, 62, (2014), 57-64.

	Krishnamurthy Bhat.	stability without evidence of intermolecular interactions.	
31.	Madhavan Nampoothiri, Neetinkumar D Reddy, Jessy John, Nitesh Kumar, Gopalan Kutty Nampurath, & C Mallikarjuna Rao	Insulin Blocks Glutamate - Induced Neurotoxicity in Differentiated SH-SY5Y Neuronal Cells.	Behavioural Neurology. 2014.
32.	Radhakrishnan Rajesh, Sudha Vidyasagar, Danturulu Muralidhar Varma, Vasudeva Guddattu, Naren Ramanlal Patel, Manju Varghese, Poornima Pulagam.	Evaluating the effects of combination antiretroviral therapy regimens & the development of adverse drug reactions in Indian human immunodeficiency virus positive patients.	Saudi Journal of Health Sciences, May - Aug 2014, Vol 3(2), 107-117.
33.	Rajesh Y, Narayanan K, Subrahmanyam VM & Venkata Rao J.	Bioprospecting for Cyclodextrin Glycosyl transferase Producing Bacteria.	Indian Drugs, June 2014, 51(06), 44-48.
34.	Srinivas Mutalik, Pallavi K Shetty, Aravind Kumar, Rohit Kalra, and Harendra S Parekh.	Enhancement in deposition and permeation of 5 - fluorouracil through human epidermis assisted by peptide dendrimers.	Drug Delivery, 2014, 21(1), 44-54.
35.	Srinivas Mutalik, Sujith Raj Salian, Kiran Avadhani, Jyothsna Menon, Harithima Joshi, Aswathi R Hegde, Pratap Kumar, Guruprasad Kalthur & Satish Kumar Adiga.	Liposome encapsulated soy lecithin and cholesterol can efficiently replace chicken egg yolk in human semen cryopreservation medium.	Systems Biology in Reproductive Medicine. 2014, 60(3), 183-188.
36.	Jayant Choudary, Suvarna G Kini, Sreedhara Ranganath Pai K & Muhammad Mubeen.	Docking Studies and Biological Activity of Fosinopril Analogs.	International Journal of Medicinal Chemistry, July 2014, 1-5.
37.	Nitesh Kumar, Amita Rai, Neetinkumar D Reddy, P Vasanth Raj, Prateek Jain, Praful Deshpande, Geetha Mathew, N Gopalan Kutty, N Udupa & C Mallikarjuna Rao.	Silymarin Liposomes improve Oral Bioavailability of Silybin besides targeting hepatocytes, and immune cells.	Pharmacological Reports. 2014, 66, 788-798.
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70.	Yogendra Nayak, Venkatachalam Hillemane, Vijay Kumar Daroji, BS Jayashree and M K Unnikrishnan.	Antidiabetic Activity of Benzopyrone Analogues in Nicotinamide - Streptozotocin Induced Type 2 Diabetes in Rats.	The Scientific World Journal. Vol 2014, 1-12.
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National Publication: 31

Sl #	Author	Title	Journal Name
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5.	Sahana Kini, Sreedhar D, Virendra SL, Pradeep M & Udupa N.	Perspective on Herbal Medicines and Its Regulations.	The Pharma Review, March - April 2014, 65-68
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7.	Uday Venkat Mateti, Anantha Naik Nagappa, Noorunnisa, P Gayathri, Asim Priyendu, Shima Rose Kachappally.	Emerging Drug Therapy Management: Need of the day.	International Journal of Health & Allied Sciences, April - June 2014, 3(2), 79-83.
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10.	PM Muragundi	Pharmacoeconomics -fourth dimension for drug evaluation in India.	Current Sciences. Vol 106 (8), April 2014.
11.	Muragundi PM, Sridhar D, Janodia M, Ligade VS, Harshad P, Udupa N.	Mapping of Prescriber Potential in Rural India.	International Journal of Community Pharmacy, Vol 7(1), Jan - April 2014
12.	Pradeep M Muragundi, Shripathi Acharya G & Anantha Naik Nagappa.	Updating Ayurveda in Modern Terms and Times - Need of the Hour.	The Pharma Review, May - June 2014, 37-41.
13.	Manthan D Janodia.	Indian Systems of Medicine - The Way Forward.	The Pharma Review. May - June 2014, 42-45.
14.	Ghosh A, Shreedhara CS, Shenoy G, Shetty R, Kumar VS, Sanghai DB.	A novel technique for Stability testing of Alliin and Sennosides in Unani Formulation.	Research & Review: A Journal of Unani, Siddha & Homeopathy. 2014, Vol 1(1).

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17.	Sandeep A, Singh K, Sreedharan N, Thunga G, Kunhikatta V, Prasanna K, Balakrishnan R.	Assessment of Metastatic Breast Cancer in a Tertiary Care Teaching Hospital of South India.	Indian Journal of Hospital Pharmacy 51(2014), 89-94.
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23.	Praveen Kadway, Prasanna GL, Sudheer Moorkoth.	Planning a Pharmaceutical Technology Transfer for Developing & Emerging Markets.	Pharma Times, June 2014, Vol. 46(6), 29-31.
24.	Naha Anup, Kiran Sai, Rai Ikya, Vora Bhavisha, Reddy D Apporva, P Kartika.	Preparation and Evaluation of Polymeric Nanoparticles of Glibenclamide.	Journal of Drug Delivery & Therapeutics; 2014, 4(5), 190-192.
25.	Uday Venkat Mateti, Shiv Sagar Konda, MG Irfan Ahmed Khan, Anantha Naik Nagappa.	Need for Problem - Based Learning in Clinical Pharmacy Education in India.	Indian Journal of Pharmacy Practice, July - September 2014, Vol 7(3), 10-13.
26.	Akram Ahmad, Muhammad Umair Khan, Anantha Naik Nagappa and Isha Patel.	Emerging Job Opportunities for PharmD Graduates: Looking Outside the Box.	Indian Journal of Pharmaceutical Edu & Research, Oct - Dec 2014, 48(4), 6-10

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28.	Sreedhar D, Virendra SL, Manthan J & Udupa N.	Drug Legislation in India - How it All Started?	The Pharma Review, July - August 2014, 37-39.
29.	Virendra SL, Sreedhar D, Manthan J, Pradeep M, Prashant M & Udupa N.	Ayurvedic Medicines in India: A Brief Review.	The Pharma Review. May June 2014, 68-70.
30.	Omkar Joshi, Archana Roy, Manthan Janodia.	Supplementary Protection Certificate Provisions for Pharmaceutical & Biotechnological Products in Europe: An Era after Medeva and Georgetown Decisions.	Journal of Intellectual Property Rights. November 2014, 19, 378-386.
31.	PM Muragundi, VS Ligade, D Sreedhar, MD Janodia & N Udupa.	Regulatory Scenario of Pharmaceutical Marketing Practices in India.	The Pharma Review, November - December 2014, 66-70.

(iii) Grants secured : Rs 2,16,54,637.00**(a) Research Grants : Rs 79,59,543.30**

Sl #	Project Name	Principal Investigator	Funding Agencies	Grants Sanctioned (INR)	Grants Received (INR)
1.	Screening of milk samples for the isolation of cholesterol oxidase producing lactobacillus species	Mr G Aditya Kiran	VGST	Rs 28,000.00	Rs 28,000.00
2.	Acute & Chronic toxicity study of finished formulation CPL/IB0413	Dr Nanda Kumar	Cholalyil Private Limited	Rs 5,65,775.00	Rs 1,29,130.00
3.	Design preparation and evaluation of water soluble nanoparticles	Mr Lalith Kumar	Vision Group on Science & Technology	Rs 6,00,000.00	Rs 6,00,000.00
4.	Development & Evaluation of Gastro-retentive dosage forms of a plant extract	Dr Srinivas Mutalik	Arjuna Natural Extracts Ltd	Rs 2,08,000.00	Rs 1,04,000.00
5.	Development & Evaluation of Topical Formulations	Dr Srinivas Mutalik	Sequent Research Ltd Laboratory	Rs 3,22,000.00	Rs 3,22,000.00
6.	Pharmaceutical & Patient care Research in Metabolic Syndrome	Dr M K Unnikrishnan	DBT, New Delhi	Rs 26,85,000.00	Rs 4,62,000.00
7.	AICTE	Dr Rekha Shenoy	AICTE, New Delhi	Rs 50,000.00	Rs 50,000.00

8.	Effect of Turmeric extracts on inflammatory edema & biomarkers of inflammation in animal models	Dr Anoop Kishore	Arjuna Natural Extracts Ltd Kerala	Rs 3,78,609.00	Rs 1,98,709.00
9.	Formulation & Evaluation of lacidipine nano drug delivery systems	Dr Shaila A Lewis	AICTE, New Delhi	Rs 10,58,824.00	Rs10,58,824.00
10.	Evaluating the effect of test formulations on cardiac output on isolated rat heart experiment	Dr Nandakumar	M/s Enovate Biolife Pvt Ltd, Mumbai	Rs 81,800.00	Rs 37,259.00
11.	Acute & Chronic Toxicity studies of CPL/IB0413, a finished product of Cholayil Pvt Ltd	Dr C Mallikarjuna Rao	Cholayil Pvt Ltd		Rs 86,086.00
12.	Evaluation of Inhibitory activity of test formulations by COM CRYSTAL-BINDING ASSAY in Vero cell lines	Dr C Mallikarjuna Rao	M/s Enovate Biolife Pvt Ltd	Rs 51,402.00	Rs 17,327.00
13.	Development of topical formulations (analysis of 94 formulations)	Dr Srinivas Mutalik	M/s Sequent Research Ltd	Rs 3,80,000.00	Rs 3,80,000.00
14.	Pre-clinical evaluation of EB-ER 01/EB-ER-02/EB-ER-03 ergogenic anti-fatigue activity	Dr C Mallikarjuna Rao	M/s Enovate Biolife Pvt Ltd	-	Rs 14,314.00
15.	Acute toxicity studies of finished product of VLCC Healthcare Ltd	Dr C Mallikarjuna Rao	M/s VLCC Healthcare Ltd	Rs 25,820.33	Rs 18,074.00
16.	Genetic vaccine delivery systems for targeting dendritic cells through surface modified multifunctional microparticles	Mrs B Meenashi Vanathi	DST, New Delhi	Rs 22,10,000.00	Rs 6,50,000.00
17.	Evaluation of cytotoxic & Hepatoprotective activity of test compounds obtained from Bharati College of Pharmacy, Mandya	Dr C Mallikarjuna Rao	Bharati College of Pharmacy, Mandya	Rs 21,124.00	Rs 21,124.00
18.	Evaluation of cytotoxicity activity of test compounds obtained from Mangalore Univ	Dr C Mallikarjuna Rao	Mangalore University, Mangalore	Rs 7,000.00	Rs 7,000.00

19.	Evaluation of cytotoxicity and cell analysis of some herbal products of GRD (PG) IMT Pharmacy, Dehradun	Dr C Mallikarjuna Rao	GRD (PG) IMT Pharmacy, Dehradun	Rs 15,000.00	Rs 15,000.00
20.	Evaluation of Cytotoxicity analysis of some samples of DIT faculty of Pharmacy, Dehradun	Dr C Mallikarjuna Rao	DIT faculty of Pharmacy, Dehradun	Rs 20,224.00	Rs 20,224.00
21.	Evaluation of test formulations EB-CJ-01/EB-CJ-02 on Mineralization in human osteoblast cell lines	Dr C Mallikarjuna Rao	Enovate Biolife, Mumbai	Rs 1,32,585.00	Rs 39,775.50
22.	Development of topical formulations	Dr Srinivas Mutalik	Sequent Research Ltd Lab, Mangalore	-	Rs 2,31,462.00
23.	Continuous Process for economic production of effervescent preparations of aminoacids and other supplements Phase-1	Dr Srinivas Mutalik	BIRAC, New Delhi	-	Rs 2,10,000.00
24.	Development of dendrimeric sunscreens containing polyphenols	Dr Srinivas Mutalik	DST, New Delhi	Rs 19,22,000.00	Rs 6,74,000.00
25.	Evaluation of Heezon (E-MA-H) on cAMP & cGMP levels in corpus cavernous tissue	Dr C Mallikarjuna Rao	Enovate Biolife Pvt Ltd, Mumbai	Rs 2,87,192.00	Rs 1,72,315.00
26.	Qualitative analysis of drug formulation by LC-MS-MS	Dr Krishnamurthy M Bhat	Getwel Pharmaceuticals Gurgaon	Rs 36,708.00	Rs 36,708.00
27.	Development of topical formulations (including analysis of 26 formulation)	Dr Srinivas Mutalik	Sequent Research Ltd Laboratory, Mangalore	Rs 10,35,710.00	Rs 1,02,248.00
28.	Evaluation of aphrodisiac activity of Safed Musli extract U00SCB5040813, a finished product of Zodiac Pharma	Dr C Mallikarjuna Rao	Zodiac Pharma, Chittor Dist, AP	Rs 59,832.00	Rs 29,830.00
29.	Acute toxicity studies of finished product of VLCC Health Care Ltd	Dr C Mallikarjuna Rao	VLCC Personal care Limited, Gurgaon	Rs 28,118.00	Rs 8,435.00
30.	Study the anti-cancer effects of indigenous	Dr N Udupa	DBT, New Delhi	Rs 28,17,000.00	Rs 87,000.00

	medicinal plants bearing sesquiterpene lactones in human epithelial cancer stem cells				
31.	Evaluation of Inhibitory activity of test formulations by COM CRYSTAL-BINDING ASSAY in vitro cell lines	Dr C Mallikarjuna Rao	M/s Ennovate Biolife Pvt Ltd	Rs 57,755.00	Rs 40,429.00
32.	Isolation & Characterization of phytoconstituents from macrosolin parasiticus (L.) Danser & evaluation of their in vitro cytotoxic activity on various cancer cell lines"	Dr Richard Lobo	SERB, New Delhi	Rs 18,50,000.00	Rs 3,50,000.00
33.	Investigation of the modulation of insulin signaling pathways by novel thiazolidin 4 one derivatives their implications in metabolic disorders	Dr Anoop Kishore	SERB, New Delhi	Rs 12,62,000.00	Rs 1,50,000.00
34.	Design, synthesis and evaluation of diphenyl ether based pyridine derivatives as antitubercular agents"	Ms Ruchi Verma	DBT, New Delhi	Rs 4,00,000.00	Rs 4,00,000.00
35.	Design, synthesis and evaluation of diphenyl ether based pyridine derivatives as Anti-tubercular agents	Dr Usha Y Nayak	DBT, New Delhi	Rs 5,10,000.00	Rs 5,10,000.00
36.	Evaluation of Heezon (E-MA-H) on cAMP & cGMP levels in corpus cavernous tissue	Dr C Mallikarjuna Rao	Enovate Biolife Pvt Ltd, Mumbai	Rs 2,87,192.00	Rs 57,438.00
37.	Evaluating the effect of test formulations on cardiac output on isolated rat heart experiment	Dr K Nandakumar	M/s Enovate Biolife Pvt Ltd, Mumbai	Rs 81,800.00	Rs 40,899.00
38.	"Evaluation of Cholayil formations for anti-aging, anti stress, hematinic and immunomodulatory activities"	Dr C Mallikarjuna Rao	Cholayil Pvt Ltd	Rs 5,38,148.00	Rs 2,69,074.00

39.	Evaluation of cytotoxicity studies of test compounds obtained from Mangalore	Dr C Mallikarjuna Rao	Yenapoya Medical College, Mangalore	Rs 1,700.00	Rs 1,700.00
40.	Evaluation of cytotoxicity studies of test compounds obtained from Mangalore	Dr C Mallikarjuna Rao	Mangalore University	Rs 2,700.00	Rs 2,700.00
41.	Evaluation of cytotoxicity studies of test compounds obtained from Mangalore	Dr C Mallikarjuna Rao	Anant V Bhandarkar, Goa College of Pharmacy, Goa	Rs 5,055.00	Rs 5,055.00
42.	Research Project entitled: "Development of liposomal formulations containing inhibitory drugs"	Dr Sreenivas Mutalik	University of Queensland, Australia	AUD 18840	Rs 3,21,403.80

(b) Seminar/Workshop Grants : Rs. 1,06,16,017.00

Sr No	Title of the Seminar	Principal Investigator	Funding Agencies	Total Grants Received (INR)
1.	Crusade against neoplasia and challenges in targeting tumor-specific nuclear machinery during January 21 - 23, 2014	Dr C Mallikarjuna Rao	AICTE, New Delhi	Rs 1,00,000.00
2.	Nanomedicines: Risk and Benefit Ratio during January 24-25, 2014	Dr Sreenivasa Reddy	AICTE, New Delhi	Rs 1,99,726.00
3.	Quality Improvement Programme	Principal	AICTE	Rs 1,03,16,291.00

(c) Travel Grants : Rs. 4,26,837.00

Sr No	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)
1	Travel Grant	Mr Syed Sajjad Hussien	Science & Engineering Research Board SERB, New Delhi	Rs 88,819.00
2	Travel grant	Mr Prateek Jain	Government of India, Ministry of Science & Technology, Department of Biotechnology, New Delhi	Rs 44,400.00
3	Travel Grant	Ms Pallavi Krishna Shetty	DBT-CTEP Management Cell, The Energy and Resources Institute, New Delhi	Rs 44,288.00
4	Travel Grant	Mr Neetinkumar D Reddy	Science & Engineering Research Board SERB, New Delhi	Rs 24,602.00

5	Travel Grant	Jagani Hitesh Vitthal	Science & Engineering Research Board, New Delhi (SERB)	Rs 48,899.00
6	Travel Grant	Mr Prateek Jain	Council of Scientific & Industrial Research, New Delhi (CSIR)	Rs 37,829.00
7	Air fare, Visa fare and registration fee to attend International conference	Mr Sonal Sekhar	ICMR - Impact of Patient Education on health-related quality of life of Diabetic Foot Ulcer Patients-A Randomised controlled Study in the 5 th FIP- PSWC held during April 13-16, 2014 in Melbourne, Australia	Rs 1,00,000.00
8	Antimicrobial Stewardship Observership program at Tufts Medical Center , Boston ,USA	Mr John Preshanth KP	FIP Pharmabridge	Rs. 38,000.00

(d) Fellowship Grants : Rs 26,52,240.00

Sl #	Project Name	Principal Investigator	Funding Agencies	Grants Sanctioned (INR)	Grants Received (INR)
1.	300 Raman Post Doctoral Fellowship	Dr Manthan D Janodia	UGC, New Delhi	Rs 23,03,264.00	Rs 11,06,640.00
2.	Fellowship for students pursuing full-time doctoral (Phd) Program	Ms Shoja M H	Government of India Ministry of Science & Technology, DST	Rs 7,87,698.00	Rs 2,81,800.00
3.	JRF in Science, Humanities & Social Sciences	Mr Asim Priyendu	UGC, New Delhi	Rs 2,07,000.00	Rs 2,07,000.00
4.	DST /Inspire Fellowship	Mr Prateek Jain	DST, New Delhi	Rs 2,57,600.00	Rs 2,57,600.00
5.	DST / Inspire Fellowship	Mr Devkar Raviraj Anand	DST, New Delhi	Rs 2,57,600.00	Rs 2,57,600.00
6.	DST/Inspire Fellowship	Ms Managuli Renuka Suresh	DST, New Delhi		Rs 2,57,600.00
7.	DST/Inspire Fellowship	Ms Atulya M	DST, New Delhi		Rs 2,84,000.00

3. Highlights of Specific Events in the current year :

a. Tie-ups with foreign institutions/universities :

- The Australian National University, Australia
- The University of Findlay, USA
- The University of Brighton, UK
- National University of Singapore, Singapore
- National Institute of Health and Social Studies, Ministry of Education, Employment & Human Resources, Seychelles

b. Placement Record:

Most of our B Pharm students opted for M Pharm in our institution. Some of them took admission in premier colleges like BITS, NIPER, JSS and a few got admissions in universities in the USA (for instance, the University of Southern California).

Our Placement Cell consisting of dedicated faculty members, have been working vigorously to help our postgraduates get placements in noted pharmaceutical industries. The details of the companies who employed our students are given below:

Sl #	Student Name	Company
1.	Akanksha Singh	Medeca Bangalore
2.	Akriti Kaura	Ranbaxy, Gurgaon
3.	Meera Nair C	Semler Research Center, Bangalore
4.	Indrani Chakraborty	Ranbaxy, Gurgaon
5.	Nimmi Zaviour	Megna Health care, Bangalore
6.	Racha Swetha	Ranbaxy, Gurgaon
7.	Sowmya A	Megna Health care Bangalore
8.	Duggirala Nithya	A1 Solutions, Bangalore
9.	Mrunmayee Palaye	Medeca, Bangalore
10.	Shravan S Arora	Neopharma, Dubai
11.	Pramoda K	Medeca, Bangalore
12.	Amita Bhandari	CIPLA
13.	Shreya Singh	Hospira
14.	Sakaram Kashyap Khatri	Lupin Pharma Ltd
15.	P Saikiran	ADVINUS
16.	Divya S	IDRS Labs
17.	Nagendra Prabhu B	LOTUS LABS
18.	Vibha V	Hospira
19.	Gollavilli Hemanth	Hospira
20.	B Sunil	Lupin Pharma Ltd
21.	Kontham Sainath Reddy	Lupin Pharma Ltd
22.	Atmakuri Damodaram	Biological E Ltd
23.	P Sunil Kumar	IDRS Labs

24.	Mohan Singh	Lupin Pharma Ltd
25.	Sai Charan Teja Choday	Lupin Pharma Ltd
26.	Radhika Dilip Ghike	STEER PHARMA
27.	Mr Swapnil Kuma r	Indegene, Bangalore
28.	Sherin Babykutty	Indegene, Bangalore
29.	Rashmi Pardeshi	IMS Health, Bangalore
30.	Devendra Patidar	Swanzo Care Diagnostics
31.	Rashmi Sethi	Sanofi Aventis, Mumbai
32.	Snehasis Das	Indegene, Bangalore
33.	Sarath Chandra Paramkusam	Mylan, Hyderabad
34.	Sumisha Jose	Mylan, Hyderabad
35.	V Sravanthi	Bharat Institute of Engineering & Technology
36.	D Prashanthi	Advinus Pharma
37.	Himja Desai	Himalaya Drug Company
38.	Srinivas Reddy	Advinus Pharma
39.	Uma Prathyusha Guptha N	Novartis, Hyderabad
40.	Kuldeep Singh	Novartis, Hyderabad
41.	M Sai Vijay	Adlock Ingram Healthcare Pvt, Ltd, Bangalore
42.	Akula Ramesh	Novartis, Hyderabad
43.	J Chaitanya	Adlock Ingram Healthcare Pvt, Ltd, Bangalore
44.	Jyoti Airan	IDRS labs Pvt, Ltd, Bangalore
45.	SSNS Satyanarayana	Sun Pharma Advance research centre, Vadodara
46.	Sridhar Potnur	Sun Pharma Advance research centre, Vadodara
47.	Manoj Kumar Agarwal	Global Data Management, Haryana
48.	Raj Agarwal	IPCA Laboratory Ltd,
49.	Abhiram VS	Novartis, Hyderabad
50.	Praveen Kadwey	Philips Healthcare, Gurgaon
51.	Stuti Singh	Biocon, Bangalore
52.	Abhimanyu Kumar	SPI Pharma, Bangalore.
53.	Supriya S Prabhu	Nordisk India PVT Ltd, Bangalore
54.	Meghana KM	Dr Reddy's, Hydrabad
55.	Asha Begum	Novartis, Hyderabad
56.	M Dileep Kumar	Nordisk India PVT Ltd, Bangalore
57.	Adreeja Basu	Hospira, Vizag
58.	J Pushpashree	Hospira, Chennai
59.	Mohit Saini	Bostan Scientific, Gurgaon

60.	Sharanya Kartha	MSD Consumer care, Mumbai
61.	Rebecca Edwin	Mylan, Hyderabad
62.	Geeta Reddy Patel	Hospira
63.	Rahul Kumar Reddy	Novartis
64.	Anup Kumar Abkari	Biocon, Bangalore, Hyderabad
65.	Aditya Kiran	Biocon, Bangalore
66.	Purushotham Kumar	Biocon, Bangalore
67.	Patel Hemandri	Zydus Cadila, Ahmedabad
68.	Joy Unice	Mitra Biotech, Bangalore
69.	Chintakindi Shashank	Biocon, Bangalore
70.	Priyanka P	CRO, Chennai
71.	Sumeet Ghosh	Himalaya Drug Co., Hyderabad
72.	V Sravanthi	Himalaya Drug Co., Hyderabad
73.	Simarjeet Kaur	Panacea Biotech
74.	Jignesh Aghara	Micro labs
75.	Priyanka Ahuja	Hospira
76.	Hina Ali	IDRS Labs
77.	Ashutosh	Micro labs
78.	Sindura	Himalaya
79.	Vishwanath	Sun Pharma
80.	Obaiud Milton Manda	Allergan
81.	Meesa Ashok	Glaxo SmithKline Pharmaceutical Ltd
82.	Byshetty Abhilash Kumar	Glaxo SmithKline Pharmaceutical Ltd
83.	Raheem Farista	Phamax
84.	Yogendra Kumar Yadav	Getwell
85.	Mishra Sanjaykumar Sashibhushan	Aves Pharma
86.	Madhusudhan Reddy G	Glaxo SmithKline Pharmaceutical Ltd
87.	Musani Suresh Reddy	Glaxo SmithKline Pharmaceutical Ltd
88.	B Santhosh Kumar	Glaxo SmithKline Pharmaceutical Ltd
89.	Soni Jignakumari Himmatlal	Eris Life Sciences
90.	Kalyan Pamu	Intas Pharmaceutical Ltd
91.	Anand Thatraju	Glaxo SmithKline Pharmaceutical Ltd
92.	T Madhavi Latha	Intas Pharmaceutical Ltd
93.	Vitta Naveen Kumar	Glaxo SmithKline Pharmaceutical Ltd
94.	Pragallapati Sairam	Phamax
95.	Abhinav Kumar Singh	Abbott
96.	K Hema Reddy	Glaxo SmithKline Pharmaceutical Ltd
97.	Urvashi Diwan	Eris Life Sciences
98.	K Maheshwar Reddy	Glaxo SmithKline Pharmaceutical Ltd
99.	Kanishka Yelamanchi	Cognizant, Hyderabad

c. Grants :

- Grants applied : Rs 16,56,02,546/-
- Grants sanctioned : Rs 2,47,14,010/-
- Grants received : Rs 2,16,54,637/-

d. Patents Filed : 1

- i. Nanocrystals of naringin and its preparation (Appl No 1818/CHE/2014)

- e. Students Exchange Committee (SEC) of MAPS:** MCOPS student council has been renamed as Manipal University Association of Pharmacy students (MAPS). It is one of the sub-committees of MAPS. The purpose of this committee is to have bilateral and unilateral exchanges of students for short-term projects or internships through International Pharmaceutical Student Federation (IPSF), International Association for the Exchange of Students for Technical Experience (IAESTE) and AIESEC. This council, a first of its kind in the pharmacy colleges of India, works towards establishing a "Membership in Association" of IPSF.
- f. Ad Meliora:** A quarterly magazine to cover the news items of MCOPS was commissioned in the month of October 2014. The electronic version of the first issue, covering the events of the college between July and September 2014, has been sent to several foreign universities to apprise them with the activities of MCOPS. This has helped the Student Exchange Council of MCOPS to have a friendly bridge to a few foreign universities which are very keen to have student exchange programmes between the universities.

4. Events at MCOPS from January to December 2014

A. Workshops / Seminars/ Conferences conducted: 7

1. Department of Pharmacy Practice, MCOPS organized a two-day workshop on “Clinical Skills for Pharm D Students” during January 6 - 7, 2014. Forty-four Pharm D students, mostly from Gujarat participated in the seminar in addition to the local participants.

Dr C Mallikarjuna Rao, principal inaugurated the workshop. The workshop was aimed to impart basic skills for clinical practice and research to Pharm D students and teachers. Dr M Surulivel Rajan, Dr V Rajesh, Dr K Vijayanarayana, Mr A Suhaj, Dr Girish Tunga were the speakers from the faculty. Pharm D Interns- Mr Shiv Sagar, Ms Nithya, Ms Shravya, Ms Jewel Maria Francis and Ms Vaishnavi also delivered lectures. The topic covered included basic skills for clinical practice of pharmacists, information retrieval and knowledge management in practice, participation in ward activities, medication review, trigger tools for adverse events monitoring, research in pharmacy practice, research methodology and statistical techniques applied in pharmacy practice research.



2. The Department of Pharmacology, Manipal College of Pharmaceutical Sciences, Manipal conducted a three-day AICTE sponsored seminar cum workshop, titled “Crusade against neoplasia and challenges in targeting tumor-specific nuclear machinery” during January 21 - 23, 2014. There were 90 registered delegates from Maharashtra, Madhya Pradesh, Andhra Pradesh, Tamil Nadu, Kerala and Karnataka. Dr K Ramnarayan, Vice Chancellor, Manipal University was the chief guest for the inaugural function.
3. AICTE sponsored Seminar cum Workshop on Nanomedicines: Risk and Benefit Ratio during January 24 - 25, 2014 organized by Dept of Pharmaceutics, MCOPS. Dr Bharath Raja Guru, Dept of Biotechnology, MIT, Manipal Dr K B Koteshwara and Dr Srinivas Mutalik from Dept of Pharmaceutics, MCOPS, Dr Raghavendra V Kulkarni, Professor and Head, Dept of Pharmaceutical Technology, BLDE College of Pharmacy, Bijapur, Dr Praveer Gupta, M D, PAHL Nanobiotherapeutics Pvt. Ltd., Hyderabad, Dr Vandana Patravale, Professor, Pharmaceutics, Dept of Pharmaceutical Sciences & Technology, Institute of Chemical Technology, Mumbai. Dr G K Rajanikant, Associate Professor & Head, School of Biotechnology, National Institute of Technology, Calicut. Dr Vijay Kulkarni, Steer Engineering Pvt. Ltd., Bangalore. Dr Gopal V Shavi, Senior Scientist - Pharma Research, SPI Pharma Inc.

Bangalore. Dr Anup Naha, Dept of Pharmaceutics. Dr Prasanna Sagar, Deputy General Manager, Gland Pharma, Hyderabad. Dr Usha Y Nayak, Dept of Pharmaceutics were the speakers of the seminar.



4. International Society for Pharmacoeconomics and Out Come Research (ISPOR) sponsored National Symposium on "Pharmacoeconomics, Outcomes Research and Pharmaceutical care guidelines for India" on February 12, 2014



5. 15th Annual Postgraduate Pharmacology Lecture Update at Manipal College of Pharmaceutical Sciences held on March 12, 2014. National Professor and a former Vice Chancellor of Manipal University Dr M S Valiathan exhorted the postgraduate students and researchers to publish their good work in Indian journals rather than in high-impact international journals.

The Pharmacology Postgraduate Lecture Update is an annual event conducted for the benefit of pharmacology students pursuing their postgraduate programme in Kasturba Medical College (Manipal and Mangalore) and M Pharm (Pharmacology and Pharmacy Practice) in Manipal College of Pharmaceutical Sciences (MCOPS).

The winners of the 15th Annual Pharmacology Postgraduate Lecture Update are:

- Dr Rinz Mathew Paulose, KMC Manipal (First Prize)
- Dr Disha Shetty, KMC Manipal (First Runner Up)
- Mr Aviral Dube, Pharmacy Practice, MCOPS, Manipal (Second Runner Up)

The faculty & postgraduate students of the Departments of Pharmacology of KMC (Manipal & Mangalore) & MCOPS attended the one-day event. Dr K L Bairy (Head, Pharmacology, KMC Manipal), Dr Ashok Shenoy (Head, Pharmacology, KMC Mangalore) and Dr C Mallikarjuna Rao (Principal, MCOPS) graced the occasion with their presence. Dr K Rajendra Holla (Professor & Head Pharmacology, KS Hegde Medical Academy, Mangalore), Dr M Mukhyaprana Prabhu (Professor, Medicine, KMC Manipal) & Dr Ullas Kamath (Dean, MMMC, Manipal) were the judges for the event.



6. **AICTE sponsored 1st Quality Improvement Programme:** Manipal College of Pharmaceutical Sciences hosted a two-week, AICTE-sponsored Quality Improvement Programme during June 16- 28, 2014 on the theme- “Management of Innovative Drug Development”. Three departments of the college, namely, Department of Pharmaceutical Quality Assurance, Department of Pharmaceutical Chemistry & Department of Pharmacy Management coordinated this event. Dr H Vinod Bhat (Pro Vice Chancellor, Manipal University, Manipal) inaugurated the programme. Dr C Mallikarjuna Rao, Principal welcomed the gathering. Dr J Venkata Rao, Professor & Head of Pharmaceutical Biotechnology proposed the vote of thanks.



7. **AICTE sponsored 2nd Quality Improvement Programme**
The second Quality Improvement Programme “Discovery, Development and Design of Drugs from Nature” was held during July 14 - 26, 2014. Three departments of the college, namely, Department of Pharmacognosy, Department of Pharmaceutical Biotechnology and Department of Pharmaceutics coordinated this event. Dr G K Prabhu, Registrar, Manipal University inaugurated the 12 days QIP in the presence of Dr C Mallikarjuna Rao, Principal, Dr M Sreenivasa Reddy, vice Principal and Dr C S Shreedhara, Professor and Head of Pharmacognosy.

B. Felicitations/Social/Pharmacy profession related Programmes conducted: 19

1. MCOPS Annual Day

The Annual Awards Day of Manipal College of Pharmaceutical Sciences was celebrated in an impressive function held at Chaithya Hall of Fortune Inn Valley View on February 15, 2014. The Chief Guest of the function was Dr M N A Rao, General Manager (R&D) Divis Laboratory, Hyderabad. Dr K Ramnarayan, Vice Chancellor, Manipal University presided over the function. Dr P Laxminaryana Rao, Registrar of Evaluation was the Guest of Honour. In a departure from the past, all the students of B Pharm who scored a GPA above 8 and all Pharm D students who scored a distinction were given merit certificates. Prizes for 1st, 2nd and 3rd place in academic proficiency each year of B Pharm and Pharm D were given away. Ms R Devi of final B Pharm and Ms Jessy John got the prize for the best outgoing student of B Pharm and M Pharm respectively.

Dr Sreedhara R Pai, Mr R S Jeyaprakash and Mr Vijayabhaskar received the Good Teacher Awards for the year. They had secured the highest scores in students' evaluation of faculty in separate categories. Dr C S Shreedhara, Dr Manjunath Setty, Dr Sudheer Moorkoth, Mr Venkatesh Kamath and Mr Kanav Khera received awards for Excellence in Teaching. Ms U Jayashree received the Best Supporting Staff Award. Dr N Udupa, the former principal has instituted a few awards and these were also presented at the same function. Dr C Mallikarjuna Rao got the Teacher of the Year Award. Late Vasu was posthumously awarded the Supporting Staff Award for the Year. His daughter received the certificate. Mr. Prateek Jain was awarded for the Best Research Paper, while he along with Ms. Sukriti Nigam and Ms. Pallavi Shetty received travel grants.

Five alumni of MCOPS were conferred with the Distinguished Alumni Award. Mr Thallam Naganarayana Rao (Deputy Director Drugs Control Administration, Andhra Pradesh), Dr Mathew George (Principal, Pushpagiri College of Pharmacy, Tiruvalla, Kerala) and three from MCOPS faculty- Dr G Suvarna Kini, Dr Srinivas Mutalik and Dr Richard Lobo were the recipients of the awards. There was a variety entertainment from students, which regaled the audience.

2. The Manipal IPCs' Funded MCOPS Golden Jubilee Commemoration Lecture was held at MCOPS as an annual event. Initiated earlier as the 42nd IPC Commemoration Lecture, it was later converted into a Manipal IPC Commemoration Symposium. After the college celebrated its Golden Jubilee during 2012-13, the symposium was rechristened as the Golden Jubilee Commemoration Lecture. The expenses for the lecture come from the money saved after successful conduct of three IPCs at Manipal.

IPCs' Funded MCOPS Golden Jubilee Commemoration Lecture: "Indian Pharmaceutical Industry exported products worth Rs. 80000 crores in 2013. There has been a growth of 15.2% in the last 5 years and by 2020, the industry would account for US\$45 billion. Pharmaceutical industry has created wealth for the nation through intellectual property." This is how Dr M N A Rao, General Manager (R&D), Divis Laboratories (Hyderabad) began his lecture. Dr Rao delivered the first Manipal IPCs' Funded MCOPS Golden Jubilee Commemoration Lecture at Manipal College of Pharmaceutical Sciences. Dr N Udupa (Director of Research, Health Sciences, Manipal University) was the Chairman and Dr K K Srinivasan (a former Professor of Pharmaceutical Chemistry of MCOPS) was the Co-chairman for the commemoration lecture.



3. Retreat Programme was jointly organised between February 2 and 6, 2014 at Munnar for the Heads of the Departments of MCOPS & MCOAHS, Manipal.
4. The Annual Sports Meet "Athols" for the Academic year 2013-14 was held on February 28, 2014. The students actively participated in the sports, games and tournaments and in intra & inter University events.
5. Women's day was celebrated on March 8, 2014.
6. Dr Ramdas M Pai, Chancellor Manipal University released three textbooks edited by faculty members of Manipal College of Pharmaceutical Sciences at a simple function held in the Counselling Hall of Manipal University on March 28, 2014. Pro Vice Chancellor, Dr H Vinod Bhat was also present on the occasion. These three books are important value addition to the existing books for students of pharmacy programmes. The books are titled, "An Insight into Industrial Pharmacy", "Recent Trends in Novel Drug Delivery" and "Fundamentals of Pharmaceutical Care", respectively.



7. The Kautilya's Society for Pharmacoeconomics and outcome research (KSPOR) along with the students' council of Manipal College of Pharmaceutical Sciences, Manipal conducted blood donation camp on April 11, 2014.
8. Students of MCOPS, Manipal successfully participated in Utsav, annual cultural event of Manipal University held during April 9 -12, 2014.
9. Staff Club of MCOPS organized "Surabhi" a cultural / talents day programme for the benefit of teaching and non teaching staff of MCOPS in July 19, 2014.
10. Orientation Programme for the newly joined B Pharm and Pharm D students was conducted during August 1 - 2, 2014.

11. **Community Development Committee:** Nutrition Awareness Programme for Pregnant and Breastfeeding Women on the theme: "HEALTHY MOTHER AND HAPPY CHILD" was held on September 3 and 4, 2014. In accordance with the health care providers, a little effort by the budding clinical pharmacist can bring a wave of awareness and a little knowledge as an added benefit. This event, organized by Community Development Committee, was of great help to the pregnant and lactating women with respect to their queries and concerns. The event, with the support of the Department of Gynecology and Obstetrics, was organized in Kasturba Medical College, Manipal keeping in mind the day-to-day problems faced by pregnant women, how small little changes physically and mentally are related to the baby's health, how things that appear smaller can have a great impact on the mother-to-be as well as the child. The event included filing of the demographics, counseling the patients and distributing patient information leaflets so that the ultimate goal of providing a healthy diet to the pregnant and lactating women could be established.



12. College Magazine (2013-14) 'Incessant' was released on September 5, 2014.
13. "Students' Council" for the Academic year 2013-14 was inaugurated on September 5, 2014.

14. PharmD-Pedia nurtures students

Manipal: "PharmD-Pedia", One day exhibition on PharmD (Doctor of Pharmacy) jointly organized by PharmD Students' Forum, Manipal and Academic council, MAPS (Manipal University Pharmacy Students Association) on September 13, 2014 apprised enthusiastic pharmacy students about the career opportunities of PharmD in India and abroad. It was meant to address the anxieties of the Pharm D students regarding the opportunities after completion of the six-year programme. A pharmacy quiz to test the budding pharmacists' awareness on drug information and counseling of patients was a highlight of the event. The students freely interacted with the alumni. A short film produced by the students, titled, "PharmD in Practice" was screened during the closing ceremony.



15. World Pharmacists' Day Celebrations at MCOPS

Manipal College of Pharmaceutical Sciences celebrated Pharmacists Day on September 25, 2014. It was organized under the aegis of Indian Pharmaceutical Association, Manipal Branch and International Society of Pharmacoeconomics and Outcomes Research (ISPOR), Karnataka Chapter. Dr Ranjan Shetty, Professor, Department of Cardiology was the Chief Guest for the programme. He also released MCOPS Newsletter "*Ad Meliora*". He spoke on the important role of pharmacists in healthcare. He appreciated the research in the area of pharmacoeconomics done by the research scholars of MCOPS. Three students, Mr Lalith Kumar Mittal (I M Pharm Pharmacy Management), Ms Shweta Bhatt (IV B Pharm) and Mr Shoban Ojha (III Pharm D) spoke on the theme "Pharmacy Profession in India - Past, Present and Future." An essay writing competition was conducted and prizes were given away to the winners. The first prize was bagged by Ms Zoya Ahmed, PharmD, second and third prizes went to Ms Sana (IIIB Pharm) and Ms Janki Raj Chauhan (V PharmD), respectively.



16. On 2nd October 2014, SWACCHA BHARAT ABHIYAN, PM Modi's countrywide campaign for cleanliness, was launched at MCOPS. On that day, the staff, supporting staff, research scholars & PG students of the college enthusiastically took up the task of cleaning the college & the surroundings. The drive was a sweeping success.



17. Students' Council organised the cultural programme Sanskriti -2014 during October 27- 31, 2014.

18. National Unit Day

With a view to giving Patel his due for the stellar contribution he made to the unity & integrity of India, the central government had declared the day as Rashtriya Ekta Diwas (National Unity day) and encouraged universities and states to celebrate the day on October 31, 2014 in a grand style. Manipal University pulled up all the stops to make the event a truly memorable one. Constituent colleges of the university conducted programmes with themes relevant to Patel's idea. MCOPS participated in the event with élan. Clad in traditional attire, the students, faculty & supporting staff marched along the route from the college to the university building & from there to Tiger Circle, Marena &

back. Besides, there was the human chain formation with participants holding each other's extended hands. It was indeed a pleasant sight, showcasing the unity in diversity. After the walk, the students put up two street-plays on national unity & women's security, much to the delight colourful spectators, standing under a scorching sun. Dr C Mallikarjuna Rao, the principal administered the Rashtriya Ekta Diwas pledge to the assembled. He thanked everyone for the wonderful show.



19. **National Education Day** was celebrated on November 11, 2014 to commemorate the birthday of freedom fighter & India's first education Maulana Abul Kalam Azad. In a one-hour programme organised in the college, students & faculty recalled the contributions of Maulana Azad, not only to free the country from the British but also to promote the cause of education, social and material emancipation of the people of India. Dr Sudhakar Nayak (Associate Dean, Kasturba Medical College, Manipal) was the chief guest on the occasion. Three students of the college, Mr Munawar PV (IV Pharm D student), MS Nishma Deepak (II B Pharm) and Harini, also spoke eloquently on Azad & his idea of universal primary education. Earlier, an essay writing competition was held for the students of MCOPS on the theme- "Maulana Abul Kalam Azad & his contributions to Indian education." The prize-winners for this are: Krishna Gandhi (1st prize, II B Pharm), Beena Mahida (2nd prize, IV B Pharm) & Akhil Nair (3rd prize, II B Pharm).



20. **World Aids Day** was celebrated all over the world on December 1, 2014 to raise the public awareness about AIDS (Acquired Immuno Deficiency Syndrome). The members of International Society for Pharmacoeconomics and Outcomes Research- Manipal University Student Chapter (ISPOR-MUSC), Manipal College of Pharmaceutical Sciences organized various events on November 30, 2014 on the eve of World AIDS Day, aiming to spread AIDS awareness among the society. The events included essay writing competition, slogan contest, oral/poster presentation, cartooning competition and AIDS Awareness Walkathon.

The essay writing competition was conducted in the near-by junior colleges of Manipal & Udupi. The topic was “What role I have to play as an individual to achieve an AIDS free society”. The entries came in both English & Kannada from 3 junior colleges around Manipal. Mr Ashrith Shetty from Little Rock Public School won the 1st prize. The slogan contest saw an overwhelming response with nearly 70 entries coming from almost all the institutions of Manipal University. The best slogan prize was given to Ms Vishnu Priya from SOLS. Her slogan was “KNOW AIDS, NO AIDS”. All slogans thus collected were displayed during the walkathon.

The main highlight of the day was the ‘AIDS Awareness Walkathon’. Over 200 people comprising of students, faculty members & localities participated in the walkathon. Members of Ashraya Samudaya Sangathane, Udupi also came to support the cause. It was flagged off by Dr C Mallikarjuna Rao, Principle, MCOPS.



21. MCOPS celebrated the birthday of Shri Atal Bihari Vajpayee, former Prime Minister of India, observed as “Good Governance Day”. There was an oratory competition on “Use of Technology & Innovations in promoting Good Governance” on December 22, 2014. Eight students participated in the competition. The prize-winners for the competition were: Ms Bolli Keerthi Priya, (1st prize), Mr Rajdeep Ray (2nd prize) and Mr Bharath R Iyer (3rd prize). The oratory skills displayed by the participants were of the high order.

5. Honours and Recognitions:

a) Institution related:

(i) **Ranking:** MCOPS continues to be a much-sought-after institution for pharmacy education, both at the undergraduate and postgraduate levels. It maintains its 3rd rank among the 1,200 pharmacy colleges of the country.

(ii) **AICTE- recognized QIP center:** The college gained AICTE recognition as a Quality Improvement Centre (QIP) about a decade ago. This has helped a number of postgraduate and doctoral students to pursue their interest in different disciplines of pharmacy. Since its recognition as a QIP centre, MCOPS has conducted more than 30 QIP programmes for the benefit of the teachers of pharmacy.

(iii) **Faculty deputed for Training/Workshops: 14**

International Training/Workshop: 1

Names of the Faculty	Details of Training/workshop
Mr John Preshanth Kumar P	'International Pharmaceutical Federation (FIP)' sponsored Pharmabridge Workshop/Training held at Boston, Massachusetts, USA during the period 19 May to 12 June, 2014.

National Training/Workshop: 13

Names of the Faculty	Details of Training/workshop
1. Dr Anantha Nagappa Naik	ACPI sponsored workshop held at D B College of Pharmacy, Besa, Nagpur on January 28, 2014.
2. Mr Pradeep M Muragundi 3. Dr Virendra S Ligade	Faculty Development Programme on Introduction to Qualitative Research held in T A Pai Management Institute, Manipal during February 7-8, 2014.
4. Dr M Surulivel Rajan	Workshop on Soft-Computing in Healthcare Applications held in MIT, Manipal during March 28-29, 2014.
5. Dr M Surulivel Rajan	Workshop on Population Modeling Methodology using Phoenix® NLME™ held at Mumbai during April 24-26, 2014.
6. Dr Mahalaxmi Rathnanand 7. Mr Girish Pai K	Workshop on 'Emerging trends in Drug Design, Development and Delivery' held in Manipal College of Pharmaceutical Sciences, Manipal during 30 June - 5 July, 2014.
8. Dr Yogendra Nayak	Workshop on Digitized Lab-based Teaching in Human Physiology held in Melaka Manipal Medical College (MMMMC), Manipal on October 25, 2014.
9. Dr N Gopalan Kutty	Seminar on Cardiology Update held in the Department of Cardiology, Kasturba Medical College, Manipal on November 1, 2014.
10. Mr Lalit Kumar 11. Mrs Ruchi Verma	Pre-Conference CME/Workshop on " Recent Advances in Research Methodologies in Biological Sciences " held at Mangalore University on November 17, 2014.

12. Dr G Gautham Shenoy	Workshop on 'Computer Aided Drug Design Tools' to be held at JSS College of Pharmacy, Mysore during November 28-29, 2014.
13. Dr Usha Y Nayak	Pre Conference workshop on Computational Methods for Interdisciplinary Research held at MIT, Manipal during December 15-16, 2014.

(iv) MCOPS Faculty at International/National Conferences: 104**International Conference: 51**

Names of the Faculty	Details of Conference
1. Dr Jagadish P C 2. Dr Sudheer Moorkoth	'High-Content Analysis' held at La Jolla, CA USA during February 19-20, 2014.
3. Dr S G Vasantharaju 4. Mr Syed Sajjad Hussien 5. Mr Pradeep M Muragundi 6. Mr Lalit Kumar 7. Dr M Sreenivasa Reddy 8. Dr Srinivas Mutalik 9. Dr B S Jayashree 10. Dr G Gautham Shenoy 11. Dr Varadaraj Bhat G 12. Dr Jessy Elizabeth Mathew 13. Dr Girish Thunga P	'DUPHAT 2014' held at Dubai, United Arab Emirates during March 10-12, 2014.
14. Mr Sonal Sekhar M 15. Mr Suhaj A 16. Dr Syed Sajjad Hussien	'5 th FIP Pharmaceutical Sciences World Congress' held at Melbourne, Australia during April 13-16, 2014.
17. Dr C S Shreedhara	Drug Discovery and Therapy World Congress 2014 (DDTWC 2014) held at John B. Hynes Veterans Memorial Convention Center, Boston, USA during June 18-19, 2014.
18. Dr Alex Joseph 19. Dr Sudheer Moorkoth	15 th Tetrahedron Symposium held at London, UK during June 24-27, 2014.
20. Dr B S Jayashree	Conference on Trends in Natural Products Research 2014 held at Olomouc, Czech Republic during June 23-25, 2014.
21. Mr Girish Pai K 22. Dr Vamshi Krishna T 23. Mr Lalit Kumar	International Conference on Recent Advances in Health Sciences to be held at Malaysia during August 14-16, 2014.
24. Dr R Rajesh 25. Mr Muddukrishna B S 26. Mr Swapnil J Dengale 27. Dr N Udupa	'FIP World Congress 2014' held at Bangkok, Thailand during August 31- September 4, 2014.
28. Dr Anantha Nagappa Naik	ISPOR 6 th Asia Pacific Conference held at Beijing, China during September 6 - 9, 2014.
29. Dr N Udupa	Asia Consortium ISPOR Conference held at Beijing, China during September 6 - 10, 2014.
30. Dr C S Shreedhara 31. Dr Richard Lobo	'PharmSci 2014' held at London, UK during Sept 8 - 10, 2014.

32. Mr Prasanna Kumar	The Renal Group Conference held at Manchester, UK during September 26-27, 2014.
33. Dr M Manjunath Setty 34. Dr H N Aswatha Ram 35. Dr Saleemulla Khan 36. Mr Vasudev R Pai 37. Dr S G Vasantharaju 38. Dr Prashant B Musmade 39. Dr Sudheer Moorkoth 40. Mr Aravinda Pai 41. Dr C Mallikarjuna Rao 42. Dr Sreedhara R Pai K 43. Dr Srinivas Mutalik 44. Mrs Angel Treasa Alex 45. Dr M Sreenivasa Reddy 46. Dr K B Koteswara 47. Dr Alex Joseph 48. Dr J Venkata Rao 49. Dr Sreedharan 50. Dr Vijayanarayana K	International Conference on Pharmaceutics & Pharmaceutical Sciences held at Pullman Surabaya City Centre, Surabaya-Indonesia during November 14-15, 2014.
51. Dr Jesil Mathew A	'PharmaTech® 2014' held at Sultan Queen Sirikit National Convention Centre, Bangkok during December 1-2, 2014.

National Conference: 53

Name of the Faculty	Details of Conference
1. Dr Anantha Nagappa Naik	3 rd Annual National Convention of 'Association of Pharmacy Professionals' held at Dharmsinh Desai University, Nadiad, Gujarat on January 18, 2014.
2. Mr Girish Pai K 3. Mr Muddukrishna B S 4. Dr Anup Naha	Conference 'International Non-communicable Diseases Research Meet, Manipal Chapter' held in Manipal during January 18-19, 2014.
5. Mr Kanav Khera	2 nd International & 5 th National Conference of Indian Society for Rational Pharmacotherapeutics held at Department of Pharmacology of Dayanand Medical College & Hospital, Ludhiana (Punjab) during January 30 - February 1, 2014.
6. Dr K Vijaya Bhasker	'CRSI 2014' held at IIT, Mumbai during February 7-9, 2014.
7. Dr Anup Naha	11 th Annual Conference of International Society for Heart Research (ISHRCON 2014 NIPER) held at Mohali, Niper during February 8-9, 2014
8. Dr Jesil Mathew A	33 rd Annual Convention of Indian Association for Cancer Research at Kollam organized by The Rajiv Gandhi Centre for Biotechnology, Trivandrum during February 13-15, 2014.
9. Dr H N Aswatha Ram	18 th Annual Convention of Society of Pharmacognosy (ISP-2014) held at Rohtak, Haryana during February 21-22, 2014.
10. Dr M Surulivel Rajan 11. Dr Leelavathi D Acharya	Inaugural Convention of the Indian Association of Colleges of Pharmacy and Indian Congress of Pharmacy Practice 2014 (IACP) held at Bangalore during February 21-22, 2014.

12. Mr John Preshanth Kumar P	'KC MICROCON 2014' conference held in Dept of Microbiology, Kasturba Medical College, Manipal on February 23, 2014.
13. Dr K B Koteswara	3 rd International Conference on Drug Delivery ICODD2014 held at PSG College of Pharmacy, Coimbatore during February 28 - March 1, 2014.
14. Dr M K Unnikrishnan	1 st Annual Conference on Cognitive Sciences (ACCS 2014) held at India International Centre, New Delhi during March 3-5, 2014.
15. Mr Kanav Khera	SPER 3 rd Annual Conference on "Recent Trends in Pharma Industry: Bridging the Gaps in Pharmaceutical Education" held at Sh. Baldev Raj Mittal Auditorium, Lovely Professional University, Phagwara (Punjab) during March 7-8, 2014.
16. Dr Vamshi Krishna T	National Conference on Innovations and Trends in Pharmaceutical Sciences held at Nirmala College of Pharmacy, Atmakuru, Mangalagiri, Guntur, Andhra Pradesh on March 29, 2014.
17. Dr Anup Naha	International Conference on Electron Microscopy held at University of Delhi during July 9-11, 2014.
18. Dr K Nandakumar 19. Dr Rekha R Shenoy 20. Dr Anoop Kishore 21. Dr Yogendra Nayak 22. Dr Nitesh Kumar	National Conference on "Advances in drug design, discovery & development" held at Anna University, Trichy during July 24-25, 2014.
23. Dr S G Vasantharaju	IPA CONVENTION 2014 held at NIMHANS Convention Center, Bangalore on August 8, 2014.
24. Dr K Nandakumar 25. Dr Anoop Kishore 26. Dr Nitesh Kumar 27. Dr R S Jeyaprakash	National Seminar on "Role of Biotechnology in development of therapy/ drug and vaccines" to be held at JSS College of Pharmacy, Ooty during August 13-14, 2014.
28. Dr Chandrashekar K S	VATAYANA 2014 - National Seminar on Neurodegenerative Conditions to be held at Bangalore on August 15, 2014.
29. Dr Suvarna G Kini 30. Dr Jessy Elizabeth Mathew	Amrita Pharmaceutical Conference (APC-2014), National Conference on "Infectious Diseases - A Medicinal Chemistry Perspective" held at Amriteshwari Hall, AIMS, Kochi during August 29-30, 2014.
31. Dr K Vijaya Bhasker	Symposium on Recent Advances in Medicinal Chemistry (ISRAM-2014) held at Niper, SAS Nagar during September 8-10, 2014.
32. Dr Yogendra Nayak 33. Dr Usha Yogendra Nayak 34. Dr R S Jeyaprakash	International Conference on 'Innovations and Future Research Dimensions on Nano-Biopharmaceutical Technology' held at Anna University, BIT Campus, Tiruchirappalli, Tamil Nadu during October 7-8, 2014.
35. Dr Rekha R Shenoy	2 nd International Conference on Emerging Trends in Chemical and Pharmaceutical Chemicals held at CSIR-IICT, Hyderabad during October 15-17, 2014.
36. Dr D Sreedhar	3 rd International Conference and Exhibition on Pharmacovigilance & Clinical Trials held at HICC, Hyderabad during October 27-29, 2014.
37. Dr V M Subrahmanyam 38. Mr Venkatesh Kamath B	55 th Annual Conference on Empowering Mankind with Microbial Technologies (AMI-EMMT-2014) held at Tamil Nadu Agricultural University, Coimbatore during Nov 12-14, 2014.

39. Mr Lalit Kumar 40. Mrs Ruchi Verma 41. Dr Angel Treasa Alex 42. Dr Jayesh Mudgal	4 th National Conference of Society of Biological Scientists of India (SOBSI) on "Role of Molecular Biology in the Diagnosis and Management of Communicable and Non-Communicable Diseases" held at Yenepoya University Campus, Deralakatte during November 18-20, 2014.
43. Dr Anup Naha	29 th Annual Conference of Indian Pharmacy Graduates Association held at Lovely Professional University, Phagwara, Punjab during November 22-23, 2014.
44. Dr V M Subrahmanyam 45. Dr Virendra S Ligade 46. Mr Pradeep M Muragundi 47. Dr Yogendra Nayak 48. Dr Jagadish P C 49. Dr Shaila Angela Lewis 50. Dr Prashant B Musmade	APTICON 2014 held at Pune during November 28 - 30, 2014.
51. Dr Jayesh Mudgal 52. Mr Madhavan Nampoothiri G	'SMRM Annual Conference Manipal 2014' held at School of Life Sciences, Manipal University, Manipal during December 8-9, 2014.
53. Dr Usha Yogendra Nayak	International Conference on Computational Methods in Engineering and Health Sciences held at MIT, Manipal during December 17-19, 2014.

Note: Manipal University rendered financial assistance worth Rs. 31,81,554.00 for the faculty of MCOPS for attending and presenting papers in National and International conferences and Workshops.

(v) Faculty members as Resource Persons in Seminars/Workshops: 102

MCOPS faculty members were invited to deliver lectures as resource persons for workshops and seminars on different platforms at Manipal and elsewhere. The details as given under:

Sl #	Name of the faculty	Seminar/Workshop	Title of the Topic
1.	Dr Vijayanarayana K	Clinical Skills for Pharm D students on January 6 - 7, 2014 in MCOPS, Manipal	Statistical techniques applied in Pharmacy Practice Research
2.	Dr Surulivel Rajan M		Skills for medication review
3.	Dr Rajesh V		Uses of Triggers or Indicators for Identification of Adverse Drug Events
4.	Dr Girish Thunga		Study designs
5.	Mr Sonal Sekhar M		Case study on Rheumatoid Arthritis
6.	Dr N Gopalan Kutty	AICTE-sponsored seminar-cum-workshop at MCOPS, January 21-23, 2014	Metformin in cancer - a new use of an old drug
7.	Dr K Nandakumar		Basics of flow-cytometry and its application in oncology research
8.	Dr Rekha Shenoy, Dr Yogendra Nayak Dr Anoop Kishore Dr Jayesh Mudgal Dr Nitesh Kumar Mr Madhavan N		Crusade against neoplasia and challenges in targeting tumor-specific nuclear machinery

9.	Dr M Sreenivasa Reddy	AICTE National seminar on Nanomedicines: Risk &Benefit Ratio, January 24-25, 2014	About Nanomedicines.
10.	Dr K B Koteswara		Smart Crystals
11.	Dr Srinivas Mutalik		Transdermal/Targated drug delivery and nanotechnology
12.	Dr Anup Naha		Self Nanoemulsgying DDS
13.	Dr Usha Y Nayak		Nanocrystal Technology: Current strategies and Tends
14.	Dr Vamshi Krishna T		Demonstration of HPH and Brooke field visometer
15.	Mr Lalit Kumar		Demonstration of Super Critical Particle generator
16.	Dr Shaila A Lewis		Proceedings of the program
17.	Dr Mahalaxmi Rathnanand		Proceedings of the program
18.	Dr Surulivel Rajan M	SJM College of Pharmacy, Chitradurga on January 28, 2014.	Population pharmacokinetics
19.	Dr Girish Thunga	Career Frontiers & Emerging Trends in Pharmaceutical Sciences on February 2, 2014 in Sri Adichunchanagiri College of Pharmacy, BG Nagar	Pharmacoepidemiology-Challenges and opportunities & Pharma-coepidemiological study designs and its applications
20.	Dr Krishnamurthy Bhat	Resource Person Research Week, March 2014 at Gujrat Technical University	Good Scientific Writing
21.	Dr K B Koteswara	3 rd International Conference on Drug Delivery, PSG College of Pharmacy, Coimbatore during February 28 - March 01, 2014.	Poster Evaluation
22.	Dr N Gopalan Kutty	Seminar at Pushpagiri College of Pharmacy, Thiruvalla, Kerala on March 6, 2014	Metabolic disorders
23.	Dr Unnikrishnan MK	St Joseph's College on March 11, 2014 in Chertala, Kerala	Convocation address
24.	Dr Rajesh V	Quintessential in Pharmaceutical Sciences at College of Pharmaceutical Sciences, Govt. Medical College, Calicut on March 13, 2014	Research areas in pharmacy practice
25.	Dr D Sreedhar	One Day workshop on "Patents - What Researchers need to know?" on March 21, 2014	Introduction to IPR with special reference to Patents
26.	Dr Surulivel Rajan M	One day workshop on Pharmacoeconomics on March 22, 2014 in KMC, Manipal.	Cost of illness model
27.	Dr Rajesh V	Future Pharmacist: India at 2020 in Shree Devi College of Pharmacy, Mangalore on March 29, 2014	The Evolving Scope of Pharmacy Practice & PharmD
28.	Dr Surulivel Rajan M	National level scientific Seminar on April 3, 2014 in	Future of Clinical Pharmacy Practice in Indian perspective

		Govt College of Pharm Sciences, Trivandrum	
29.	Dr K B Koteswara	Student Research Poster Competition 2014, Manipal University Students Research Forum, Manipal University during April 11-12, 2014	Poster Evaluation
30.	Dr K Nandakumar Dr Rekha Shenoy Dr Anoop Kishore		Resource Person
31.	Dr M Sreenivasa Reddy	Manipal Research Colloquium 2014, Manipal University during April 11-12, 2014.	Chairperson
32.	Dr Anoop Kishore Mr Madhavan Nampoothiri	Dr TMA Pai endowment chair in cognition, Manipal University on April 21, 2014	Cannabis Revisited
33.	Dr Anup Naha	Student Project Poster Presentation, Melaka Manipal Medical College, Manipal on April 25, 2014.	Mentor
34.	Dr N Gopalan Kutty	Seminar at Pushpagiri College of Pharmacy, Thiruvalla, Kerala on April 30, 2014	Preclinical rodent models of diabetes and metabolic syndrom
35.	Dr Surulivel Rajan M	Clinical Skills for PharmD Students' on June 12-13, 2014, in Alshifa College of Pharmacy, Calicut.	Skills for ward round participation
36.	Dr Rajesh V		Uses of Triggers or Indicators for Identification of Adverse Drug Events
37.	Mr Sonal Sekhar M		Skills needed for information retrieval and knowledge assessment in practice
38.	Mr Suhaj A		Skills needed for information retrieval & knowledge management in practice
39.	Dr P C Jagadish	AICTE-sponsored Quality Improvement Programme during June 16- 28, 2014 on the theme- "Management of Innovative Drug Development".	Soft Ionization Techniques in MS
40.	Dr Sudheer Moorkoth		Generic registration for biologics
41.	Dr Prashanth Musmade		LC: Analytical & bioanalytical method optimization Pharmaceutical Nanocrystal
42.	Dr Said Sajjad Hussen		Management of Innovative drug development
43.	Dr Anantha Nagappa Naik		Pharmaceutical Care - The missing link in therapeutics
44.	Dr D Sreedhar		Incremental Innovations in Pharmaceutical Industry
45.	Dr Virendra S Ligade		Blockbuster and Business Blunders by Pharma Companies
46.	Mr Pradeep Muragundi		Cost Effectiveness Analysis of Innovative Drugs
47.	Mr Lalit Kumar		Summer Training 2014 Manipal University Students' research forum held during June 16 - July 12, 2014
48.	Dr Srinivas Mutalik	3 rd Annual Convention of Consortium of Progressive IPA during July 5 - 6, 2014	Resource person
49.	Dr Saleemulla Khan		Future prospects of Phytomedicine






50.	Dr Surulivel Rajan M	Two day seminar organized by Progressive Indian Pharmaceutical Associations on July 6, 2014 in MCOPS, Manipal.	Pharmaceutical care
51.	Dr Unnikrishnan MK	Summer Training-2014 on July 11, 2014 in MCOPS, Manipal	Evolutionary Foundations of Human Cognition
52.	Dr Jagadish P C		Demonstrated DSC and FTIR
53.	Mr Girish Pai K	AICTE sponsored QIP seminar on the theme "Discovery, Development and Design of Drugs from Nature" held at MCOPS, Manipal during 14 July - 26 July 2014.	Development of a good product to avoid market complaints
54.	Dr K B Koteswara		Drugs from nature, Then & Now.
55.	Dr Shaila A Lewis		Improving oral delivery of Natural Phytochemicals.
56.	Mr Lalit Kumar		Demonstration of Super Critical Particle generator
57.	Dr Mahalaxmi Rathnanand		Reverse Pharmacology approach in natural product drug discovery.
58.	Dr Usha Y Nayak		Herbal bioenhancers: Applicability and role in drug delivery
59.	Dr Anup Naha		Contribution of Nature towards the development of SNEDDS
60.	Dr Srinivas Mutalik		Novel drug delivery systems for Phytoconstituents.
61.	Dr M Manjunath Setty		Oceans and Human health: Drugs from the deep
62.	Dr Aswatha Ram HN		Standardization of crude drugs
63.	Dr Chandrashekar KS		"Bioactive guided fractionation of Plant extract" "Discovery, Development & Design on Drugs from Nature"
64.	Dr Richard Lobo		Standardization of Herbal raw materials -A need to meet the norms of international standard.
65.	Dr Saleemulla Khan		High Throughput Screening a tool in lead identification
66.	Mr Vasudev Pai		"Herbs for Dementia"
67.	Dr J Venkata Rao		Soil screening for exploration of promising microbial metabolites: our lab experience
68.	Dr V M Subrahmanyam		Large scale production of biosimilars and innovations in their production technologies
69.	Dr V M Subrahmanyam	Versatility of enzyme chitinase : our lab experience	
70.	Dr Jesil Mathew A	Emerging trends in probiotics	
71.	Mr Venkatesh Kamath B	Biotechnological Market in India and the current trends	
72.		Discovery of Antibiotics: A saga	
73.	Dr Angel Treasa Alex	Pharmacogenetics in drug discovery and development	

74.			Recent advances in nanoparticle design for diagnosis and therapy
75.	Mr Madhavan Nampoothiri	Institute for intensive research in basic sciences, MG University, Kottayam, Kerala, July 22, 2014	Molecular Pathology & pharmacology of human diseases
76.	Dr Rekha Shenoy	Half-day workshop on 'Research awareness to faculty of MU' at Mangalore & Manipal on August 16, 2014	Funding Opportunities & University Grant Proposals
77.	Dr Anup Naha	Two day national seminar on "Innovation & Entrepreneurial Opportunities in Nanotechnology" organized by Dr TMA Pai Endowment chair (Drug, Design Development & Delivery) in association with Indian Society of Nanosciences, MCOPS held during August 23-24, 2014.	Resource person
78.	Dr Angel Treasa Alex		Drug delivery to brain using nanoparticles through nasal route
79.	Mr Lalit Kumar		Demonstration of Super Critical Particle generator
80.	Dr D Sreedhar		Entrepreneurship in Pharmacy
81.	Dr Manthan D Janodia		IPR and Patents
82.	Dr Saleemulla Khan	Innovation and Entrepreneurial Opportunity in Nanotechnology during August 23 - 24, 2014	Concepts of Nanotechnology in the traditional Systems of Medicine
83.	Dr Rajesh R	74 th FIP World Congress of Pharmacy & Pharmaceutical Sciences during August 31 - September 4, 2014 in Bangkok, Thailand	Experience of FIP-Pharmabridge program at USC School of Pharmacy
84.	Dr Girish Thunga	AICTE sponsored Faculty Development Program on September 12-13, 2014 in Teerthanker Mahaveer College of Pharmacy, Mordabad.	Emerging Trends in Pharmaceutical Practices
85.	Dr Surulivel Rajan M	AICTE sponsored QIP on September 22, 2014 in JSS College of Pharmacy, Ooty	Population pharmacokinetics in pediatrics dosage adjustment
86.	Mr Suhaj A	'World Pharmacist Day' on September 25, 2014 in Jamiya Salafiya Pharmacy College Malappuram	Access to Pharmacist is access to health
87.	Dr N Gopalan Kutty	St. Aloysius College Mangaluru on September 30, 2014	Natural vs. Synthetic Drugs a medicinal Approach
88.	Dr Vijayanarayana K	Two days hands on training on SPSS software & research methodology during October 9 -10, 2014 in Alshifa College of Pharmacy, Calicut.	Applied statistics in Pharmacy Practice Research & working with SPSS
89.	Dr Surulivel Rajan M	Two days hands on training on SPSS software & research methodology during October 9 - 10, 2014 in Alshifa College of Pharmacy, Calicut.	Clinical study designs

90.	Dr D Sreedhar	International Conference & Exhibition on Pharmacovigilance & Clinical Trials at Hyderabad during October 27-29, 2014	End of Blockbuster Model - What Next?
91.	Dr Anoop Kishore	Goa College of Pharmacy, Panaji, Goa, November 8-9, 2014	Pharmacogenomics & Biotech Products
92.	Dr K Sreedhara R Pai Dr Jayesh Mudgal	National seminar on Medical Plants / Dravyaguna, Hastaamalaka, Muniyal Ayurveda Medical Sciences, Manipal on November 12, 2014	Preclinical animal models for pharmacological screening of natural products
93.	Dr Girish Thunga	Father Muller's Medical College Hospital, Mangalore on November 14, 2014.	High Risk Medication
94.	Dr Sreenivas Mutalik	The 1 st International Conference on Pharmaceutics & Pharmaceutical Sciences, Organized by Dean of Faculty of Pharmacy Universitas, Surabaya, Indonesia during November 14-15, 2014 at Pullman Surabaya Indonesia.	Nano carriers For Skin Delivery of Bioactives
95.	Dr Unnikrishnan MK	National Conference on Cognitive & Neuropsychology: Challenges & Issues during November 14 - 15, 2014 in Christ University, Bangalore	Exploring the Evolutionary Role of Mate Selection in Cognitive Development
96.	Dr Surulivel Rajan M	National Seminar on Current trends in Clinical Pharmacy Practice on November 26, 2014 at Pushpagiri College of Pharmacy, Thiruvalla.	Current dilemma and possible future of Clinical Pharmacy in India
97.	Dr Rajesh V		Information Management to research in pharmacy practice: Essential skills and practical tips
98.	Dr Sajjad Hussen	PES College of Pharmacy, Bangalore on December 5, 2014	Formulation and Characterization of Nano Pharmaceuticals
99.	Mr Muddukrishna BS		Good Documentation Practice
100.	Mr Swapnil Dengale		Characterization of Amorphous formulations Co- amorphous Pharmaceuticals
101.	Dr Jesil Mathew A	Seminar organised by Progressive Indian Pharmaceutical Associations of Manipal	Trends in Pharmaceutical Biotechnology
102.	Dr Manthan D Janodia	Seminar - World Pharmacists Day	Unconventional Career Opportunities for Pharmacists

Apart from the above, the MCOPS faculty members made around 40 presentations at the weekly Journal Club Meet during 2014 calendar year.

(vi) PhDs Awarded under Pharmaceutical Sciences during 2014: 15

Sl #	Title	Candidate	Guide	Co-guide	
1	Study on development and implementation of adverse event trigger tool system for surgery department of a tertiary care teaching hospital (30.12.2013)	V Rajesh	Dr K T Manisenthil Kumar	Dr B H Anand Rao	
2	Evaluation of treatment pattern and outcome with emphasis on pralidoxime dosage regimen in organophosphorus poisoning (21.01.2014)	Girish Thunga	Dr Sureshwar Pandey	Dr Sudha Vidyasagar	
3	Improving bioavailability of tenofovir using nanoparticle formulation techniques (10.02.2014)	Syed Sajjad Hussien	Dr Premnath Shenoy	Dr N Udupa	
4	Pharmacognostical, phytochemical and lipid lowering evaluation of melia azedarach linn (27.02.2014)	Vijaya Kumar S	Dr C S Shreedhara	Dr C Mallikarjuna Rao	
5	Formulation and evaluation of nanoparticulate sunscreen containing plant polyphenols as ultraviolet radiation absorbing compounds (05.05.2014)	Kranthi Prashanth Musmade	Dr N Udupa	Dr M Sreenivasa Reddy	
6	Chronomodulated drug delivery systems of montelukast sodium for asthma and allergic rhinitis (30.05.2014)	Om Prakash Ranjan	Dr M Sreenivasa Reddy	Dr N Udupa	
7	Pharmacognostical, phytochemical & hepatoprotective studies on clitoria ternatea L., tephrosia purpurea (L.) pers & malvastrum coromandelianum (L.) garcke (06.06.2014)	Dhirendra B Sanghai	Dr C S Shreedhara	Dr K Srinivasan	
8	Synthesis of rhodanine & fused pyridine analogues as antimalarial agents (16.07.2014)	R S Jeyaprakash	Dr KK Srinivasan	Dr N Gopalan Kutty	

9	Analysis of risk factors, antibiotic resistance and usage pattern in hospital-acquired pneumonia (01.10.2014)	Vijayanarayana K	Dr N R Rau	Dr Anantha Naik Nagappa	
10	Evaluation of Pharmaceutical care for patients with cardiovascular diseases (09.10.2014)	Anil T M	Dr Anantha Naik Nagappa	Dr Ranjan Shetty K	
11	Development and Evaluation of a Nanoparticulate Drug Delivery System to Target Biofilm Mastitis Infections (10.11.2014)	Atulya M	Dr J Venkata Rao	Dr C Mallikarjuna Rao	
12	Pharmacological, Mechanistic and in Silico Evaluation of selected novel non-ulerogenic anti-inflammatory indanedione derivatives (21.11.2014)	Geetha Mathew	Dr M K Unnikrishnan	Dr G Arunkumar	
13	Synthesis and Neuroprotective Activity of Tetrahydrobenzo [b]pyrans (05.12.2014)	K Vijaya Bhaskar	Dr K K Srinivasan	-	
14	Studies on Isolation and characterization of fungal chondroitinase and its therapeutic applications (06.12.2014)	K Narayanan	Dr V M Subrahmanyam	Dr J Venkata Rao	
15	Formulation and Evaluation of Polymeric Multiparticulate Drug Delivery systems of Rifampicin and Isoniazid (18.12.2014)	Vamshi Krishna T	Dr M Sreenivasa Reddy	-	

(b) Students' related:

- 28 final year B Pharm students of MCOPS qualified GPAT examination 2014
- **Ms Haritima Joshi**, M Pharm student won second prize for Best Poster entitled 'Formulation and characterization of polymeric nanoparticles of naringenin in sunscreen cream' at AICTE sponsored National seminar on 'Nanomedicine: Risk & Benefit Ratio', MCOPS held during January 24-25, 2014.
- **Mr Anup Kumar Abkari**, M Pharm student received Best Paper Award in Bangalore Bio India during February 10-12, 2014 "Prevention of Neurodegeneration by Naringin: An *in vitro* study".
- **Ms Rupa Shukla**, Suhaj A, M K Unnikrishnan, Manu Mohan K received Best Paper Award for the paper entitled "A Randomized Controlled Study on Impact of Patient Education on Medication Adherence of COPD Patients" at DUPHAT 2014 held during March 10-12, 2014 in Dubai, UAE
- **Mr Rakesh Kumar Singh** and **Ms Shreya Patel** received Best Poster for the abstract entitled "Health related quality of life among young smokers" in Manipal University Students Research Forum during April 11- 12, 2014 held at Manipal University, Manipal.
- **Ms Zoya Ahmed** and Girish Thunga won Best Poster Award for the poster presentation entitled "Correlation of pralidoxime blood level with its adverse effect in organophosphorus poisoning patient" at 3rd International Conference and Exhibition on Pharmacovigilance & Clinical trials on October 27-29, 2014 at Hyderabad.
- **Sri Sai Kiran Vempati**, Nandita Rago, Kolli Nivya, Jayaprakash B, Sonal Sekhar M, Treasa Mathews, Ch. Manasa received Best Poster Award for poster presentation entitled "Adverse drug reaction related hospitalization in a tertiary care hospital in a South India: A study based on WHO ICD Classification", at 3rd International Conference & Exhibition on Pharmacovigilance & Clinical trials during October 27-29, 2014 at Hyderabad.
- **Ms Sangeetha**, Mr John Preshanth KP, Dr Ranjan Shetty won first prize for poster presentation entitled "Prevalence of cardiovascular autonomic neuropathic (CAC) in Type-2 DM patients" in Manipal Cardiology Update-2104 on November 1, 2014.

MAPS related:

- **Sports: Mr Upamanyu** (I Pharm D) and **Mr Bandi Sekhar Reddy** (M Pharm) have represented MCOPS in the South Zone Inter University Chess Tournament held at Vellore, Tamil Nadu.
- **Cultural and others event :**

Manipal College of Pharmaceutical Sciences participated in Ustav 2014 and secured 9th place (36 points) and got the following prizes:

Event	Prize	Name	Points
Mimicry	1 st Place	Shobhan Ojha	10
Fashion show	2 nd place	Group	10
Indian Non classical Vocal solo	2 nd place	Nishant Ramdev	8
Installation	3 rd place	Udaya Bhaskar, Vinay Patidar and Sumit S	8



(c) Faculty Related: 15

1. **Dr Vamshi Krishna T**, Department of Pharmaceutics received second Best Oral Presentation award for presenting "Formulation and evaluation of multiparticulate dosage forms of rifampicin and isoniazid with improved rifampicin stability" at "National Conference on Innovations and Trends in Pharmaceutical Sciences", Nirmala College of Pharmacy, Mangalagiri, Guntur, Andhra Pradesh on March 29, 2014
2. **Dr M K Unnikrishnan**, Department of Pharmacy Practice was awarded with Cold Spring Harbor Laboratory Fellowship (\$535.00 USD) for attending and presenting poster at the 79th Cold Spring Harbor Symposium on Quantitative Biology: Cognition, Meetings & Courses Program, New York, U.S. during 28 May - 2 June, 2014
3. **Dr Rekha Shenoy**, Department of Pharmacology received "Second Prize" in scientific poster presentation in NCADDD at Trichy in July 2014.
4. **Dr K S Chandrashekar**, Department of Pharmacognosy has won the 2nd prize in poster presentation at Vatayana - 2014, National seminar on Neuro - Degenerative Conditions and Neuro-Lesions held at Bangalore on August 15, 2014.
5. **Dr Usha Y Nayak**, Department of Pharmaceutics won first prize for poster presentation in the International Conference on Innovations and Future Research Dimensions on Anobio Pharmaceutical Technology during October 7- 8, 2014. She was also awarded "First Prize in poster presentation" for the paper entitled 'Development & evaluation of Risperidone liposomes for brain targeting' in the TEQIP II & DBT sponsored International Conference on the Innovations & Future Research Dimensions on Nanobio Pharmaceutical Technology held at the Dept of Pharmaceutical Technology (Centre for Excellence in Nanobio Translational Research), Anna University, BIT Campus, Tiruchirapalli during October 7-8, 2014.

6. **Dr Richard Lobo**, Department of Pharmacognosy won third prize for the poster presentation during the National Seminar on Medicinal Plants/Dravyaguna "Hastaamalaka 2014" organized by Muniyal Institute of Ayurveda Medical Sciences, Manipal held on November 12, 2014.
7. **Dr Srinivas Mutalik**, Department of Pharmaceutics attended as Keynote speaker in the 1st International conference on Pharmaceutics and Pharmaceutical sciences held at Pullman Surabaya City Centre, Indonesia, during November 14 - 15, 2014.
8. **Dr Jayesh Mudgal**, Department of Pharmacology was awarded First Prize for poster presentation in the 4th National Conference of the Society of Biological Scientists of India (SOBSI) held during November 18 - 20, 2014 at Yenepoya University, Mangalore.
9. **Dr Prashanth B Musmade**, Department of Pharmaceutical Quality Assurance won the first prize for the poster presentation during scientific sessions of 19th Annual National Convention of Association of Pharmaceutical Teachers of India on "Emerging Trends in Pharmacy profession and education" held during November 28 - 30, 2014.
10. **Dr Shaila A Lewis**, Department of Pharmaceutics won the second prize for the poster presentation during scientific sessions of 19th Annual National Convention of Association of Pharmaceutical Teachers of India on "Emerging Trends in Pharmacy profession and education" in the subject Pharmacology held during November 28 - 30, 2014. She also bagged Best Poster Award for the poster entitled "Quercetin as CYP3A4 inhibitor for improved oral bioavailability of Felodipine" at APTICON 2014 on the theme "Emerging trends in Pharmacy profession and education" organized by Pune Region Pharmacy Institution and APTI during November 28-30, 2014 at Pune, Maharashtra.
11. **Dr Usha Y Nayak**, Department of Pharmaceutics awarded First Prize in Poster Presentation for the paper entitled "Nanotechnology in Anti-HIV Therapy" a poster competition for "AIDS FREE INDIA-HYPE or HOPE" organized by Community Development Committee, Manipal University Association of Pharmacy Students in collaboration with ISPOR, MUSC, held on November 30, 2014 (World Aids Day).
12. **Dr Anup Naha**, Department of Pharmaceutics, appointed as Chief Coordinator of Manipal University Voluntary Service Organisation.
13. **Dr S G Vasantharaju**, Department of Pharmaceutical Quality Assurance received Certificate of Appreciation from Dr P D Sethi Annual Award - 2013 for the research paper and also received Best Research Paper Award for year 2014 organised by Association of Pharmaceutical Teachers' of India.
14. **Dr Srinivas Mutalik**, Department of Pharmaceutics has served as Poster Author in the Poster Walkway of Discovery at "6th Bangalore INDIA NANO - 2013".
15. **Dr K S Chandrashekar**, Dr Girish Pai and Ms Daksha Gupta received certificate of Merit in Dr P D Sethi Annual Award - 2013 for the paper entitled "Invitro Antidiabetic activity of Pentacyclic Triterpenoids and Fatty acid Esters from Bauhinia purpurea".

(d) Research Scholars Related: 7

1. **Dr Atulya M, Ms R Revathi R Rajappan and Mr A Muthukumar** received "Certificate of Appreciation" in connection with the poster presentations held on January 3, 2014 in the category of Health Sciences of Manipal University.
2. **Mr A Muthukumar** Bagged 'Best Presentation Award' for making an oral presentation on 'Fabrication and evaluation of 3D scaffold' at 'Manipal Research Colloquium', Manipal held during April 11-12, 2014.

3. **Mr Prateek Jain** received a Foreign Travel Grant from CSIR, New Delhi to attend the 5th FIP Pharmaceutical Sciences World Congress 2014, Australia during April 13 - 16, 2014.
4. **Ms Zenab Attari** Bagged 'Best Paper Presentation Award' for making an oral presentation on paper entitled 'Enhanced solubility and bioavailability of pioglitazone nanosuspension' at '3rd International Conference NANOCON 014', Pune, held during October 14-15, 2014.
5. **Mr Ramanath K V** received Best Poster award at 3rd International Conference and Exhibition on Pharmacovigilance and Clinical Trails held during October 27-29, 2014 in OMICS group's conferences, Hyderabad.
6. **Mr Muhammad Mubeen** received First Prize for poster presentation in the research scholar category entitled "Design, docking studies, synthesis and biological evaluation of benzothiazole derivatives" at 4th National conference of SOBSICON 2014 on Molecular Biology in Diagnosis and Management of Communicable and Non communicable Diseases Held at Yenapoya University, Deralakatte, Mangalore during November 18 - 20, 2014.
7. **Ms Pallavi K** and **Mr Jagani Hitesh Vittalbhai**, Research Scholars of MCOPS were selected for the award of "Kundapur Mohan and Lata Bhandarkar's merit-cum-means scholarship for PhD candidates" for the year 2013-14.

(e) Alumni Related: 1

1. Dr S Eswara Reddy, an alumnus of MCOPS, who was also the recipient of Distinguished Alumnus Award of MCOPS, has been elevated to the level of Joint Drugs Controller General (India) and has since taken the charge to this effect.

6. Dignitaries who visited MCOPS during 2014: 18

- 1 Dr Harendra Parekh, Senior Lecturer, School of Pharmacy, University of Queensland, Australia and Adjunct Professor, Department of Pharmaceutics, MCOPS delivered a talk on January 8, 2014.
- 2 Prof S Ganapaty and Sri S V U M Prasad visited MCOPS for PCI Inspection of D Pharm course during January 8 - 9, 2014.
- 3 Dr G Jagadish, Senior Advisor, USFDA and Adjunct Professor of MCOPS has interacted with faculty members and research scholars regarding "Planning, Executing and Publishing Research papers" on February 11, 2014.
- 4 Dr Thallam Naga Narayana Rao, Deputy Director, Office of Drugs Control Administration, Warangal delivered a lecture on "Drugs and Cosmetics Act" on February 17, 2014
- 5 Prof M Gopal Rao and Prof B Madhava Reddy visited MCOPS for PCI Inspection of Pharm D and Pharm D - Post Baccalaureate Programmes during February 28 - March 2, 2014.
- 6 ISPOR, Karnataka Chapter and Association of Community Pharmacists of India (ACPI) jointly organized a talk on "**Yettinahole - What options we have?**" by Dr Ravindranath Shanbhag, President, Human Rights Protection Foundation, Udupi on March 18, 2014.
- 7 Prof Kailash Singh, Department of Medical Cell Biology, BMC, Uppasala University, Sweden visited MCOPS on March 28, 2014.
- 8 Prof Dr Richard Scotti (Former Professor, George Washington University) delivered talk on "How to Manage your personal stress and be successful" on March 31, 2014.
- 9 Dr Raj P Warriar, Section Head, Paediatric Hematology/Oncology, Ochsner Medical Centre for Children, US, Adjunct Professor, Kasturba Medical College, Manipal and Mangalore and former Vice Chancellor of Manipal University delivered a lecture on April 3, 2014.
- 10 Advocate John Wills from the Premiers Office (Legal Advisor), Dr Anban Pillay, DDG of National Department of Health and also a Pharmacist by training and Mr F M Mthethwa, HRD Manager, Department of Health visited MCOPS on June 23, 2014.
- 11 Dr B M Hegde, former Vice Chancellor of Manipal University, Manipal delivered a lecture on the topic "Healthcare Management - Benefits to Mankind" on June 18, 2014, MCOPS.
- 12 Prof Idris Ahmeda Rai, Vice Chancellor, Dr Salum Seif Salum, Lecturer School of Medicine and Dr Goloker, High Commission representative of State University of Zanzibar (SUZA) visited MCOPS to explore the possibilities of collaboration in the areas of mutual interest on July 7, 2014.
- 13 Dr Robby Zachariah Tom, Helmholtz Zentrum Munchen (GmbH), an alumnus of MCOPS, visited and delivered a brief lecture for UG & PG students on August 30, 2014.
- 14 Dr Sanjay J Surana, Principal, Dr Sanjay B Bari, Dr Atul A Shirkhedkar, Professor and Vice Principal, Dr Chandaragouda R Patil, Professor & HOD, Pharmacology, Dr Hintendra S Mahajan, Professor & HOD, Pharmaceutics from R C Patel Institute of Pharmaceutical Education and Research, Shirpur (MS) visited MCOPS during September 29 -30, 2014.

- 15 Mr Sanjeev Chatterjee, Professor, School of Communication, University of Miami, Florida, USA visited MCOPS on November 4, 2014 to explore possibilities of Study Abroad Program in various disciplines.
- 16 Md Elin Ljungstrom, International Coordinator, International Office, Umeå Universitet, Northern Sweswn visited Manipal on November 5, 2014 regarding the collaboration with Manipal University (Health Sciences).
- 17 Dr N Udupa, Director - Research (Health Sciences), Manipal University, Manipal delivered a lecture on the topic "Research Grants and Paper Publication" on November 12, 2014 at MCOPS.
- 18 Dr Padmanabhan, Vice President, R & D, HLL Corporate R & D centre, Kerala visited MCOPS on November 19, 2014 and discussed on developing a veterinary product towards veterinary contraception to control the dog population in Karnataka/India.

7. Awards for Academic & Professional Excellence in the year 2013-14:

Distinction Awards:

I B Pharm (44)

Ms Krupali Pritesh Shah, Ms Nishma D Khetia, Ms Zahra Hassan Abdur Rasul Fazal Bandali, Mr Vishesh Critanand Teeluck, Mr Akshay R Rao, Mr Amit Raviraj Pillai, Ms Gautham, Ms Anjana S, Ms Anushka Pharasi, Mr Tridib Haldar, Mr Kytharam Ganesh Anusha Sarma, Mr Nikhil Narendra Taurani, Ms Panjwani Ashima Abdul Aziz, Mr Abbas Mohamedraza Dossa, Ms Melissa Loudina Pais, Ms Priyanka Pai K, Mr Himanshu Mishra, Ms Mantri Pragada Srija, Ms Harini R, Mr Akhil Nair, Ms Sharel Rency D'Almeida, Ms Menon Sreeranjani Sundaresan, Ms B F Anisha Shabanis, Mr Sreyas Adusumilli, Ms Shristi Sinha, Ms Srinidhi K R, Ms Manjula, Ms Turni Dutta Gupta, Ms Aishwarya Noronha, Ms Josline Monis, Ms Debjani Dutta, Ms Remya James, Ms Geetha Nayak, Ms Devika, Ms Saipriya Ganesh Shettigar, Ms Sana, Mr Suhas B S, Ms Kamiliya, Ms Mistry Khushboo Rajnikant, Ms Kavyashree, Ms Vineeta Kumari, Ms Vasanthi, Ms Kavya Naik and Ms Tess Emmanuel

II B Pharm (24)

Ms Mayura Das, Ms Tanya Sinha, Ms Anusha Ragupathy, Mr Ramakrishnan, Ms Farheen Intiaz, Ms Hegde Shreeya Sanjay, Ms Khan Nashat Salim, Mr Fardeen Mohamed Hassan Hussein, Ms Ayesha, Mr Kunal Paul, Mr Arbind Kumar Mandal, Mr K Karthik Subramanian, Ms Oendriila Das, Ms Pooja Yasaswi Vemuri, Ms Roushan Bharti, Ms Gadde Rajitha, Ms Trisha Ghosh, Ms Arlene Thomas, Ms Niraja Narendra Ranadive, Ms Cukkemane Kavya Ashokkumar, Mr Chetananda Patel, Mr Gururaj C Aithal, Ms Reshma Chatterjee and Mr Gopichand L

III B Pharm (23)

Ms Nidhi Nitin Desai, Mr Nilesh Laxman Marathe, Ms Sneha Bahadur Devisinh Mahida, Ms Dookhee Nabiihah Begum, Mr Ayush Kumar, Ms Beenaben Bahadursinh Mahida, Ms Insiya Zoher Mukadam, Ms Modasia Jinita Bhupendra, Ms Shweta Bhatt, Ms Ateqa Sadiq Hasham, Ms Puja Kumari, Ms Khyati Chheda, Ms Puspita Sahu, Ms Amanda Velinna Fernandes, Ms Hadiza Bamanga Tafida, Ms Pooja Gopal Poojari, Mr Deshpande Ameya Uday, Ms Vanshika Deo, Ms Sayantani Kundu, Mr Jay M Jetani, Ms Benita Jessica D'souza, Ms Navya Ajitkumar Bhaskaran and Mr Karan Bhagat

I Pharm D (18)

Ms Seoyoon Lee, Mr Crasto Ashley Anthony, Mr Sanju Rajan, Ms Deepthi Jacob, Ms Ashley Ann Thalody, Ms Ryali Valli Sri Vidya, Ms A Sai Sree Lekha, Ms Pires Nichelle Joanne Francis, Ms Sophia Menampampil George, Mr B Shrikar Reddy, Ms Shabnam Hyder, Ms Teny Grace Skaria, Ms Komineni Sindhuja, Mr P Aditya, Ms Shilpa Sundar, Ms Roshni Ann Mathai, Ms Kankana N Aji and Ms Benitta Mathews

II Pharm D (10)

Ms Sangeetha, Mr B Abhishek Shankar, Ms Shivani Shridhar, Ms Florence James, Ms Gifty Maria James, Ms Anila Alexander, Ms Hina Anjum, Ms Keertana Badrinath, Ms Snigdha Kantamneni and Ms Kavitha Elsa Varghese

III Pharm D (12)

Ms Srujitha Marupuru, Ms Meenakshi Srinivasan, Mr Jefry Jose, Ms Lakshmi Jayachandran, Mr Vivek Bhanubhai Prajapati, Ms Dana Rachel Mavelly, Ms Anna Asa Suresh, Ms Pooja Das, Ms Aastha Dubey, Mr Munawar Peringadi Vayalil, Ms Poka Siva Sai Lakshmi Priyanka and Ms Mitali Gaurav

IV Pharm D & I Pharm D – Post Bacculaureate (22)

Ms Chekka Lakshmi Manasa Sakuntala, Mr Prem Lal, Mr Ashwin Karanam Raghunath, Ms Parvathy R Menon, Ms Raesa Habeeb, Ms Nishitha N Prabhu, Ms Jeni Mary Joy, Mr Mohammad Haghghatpanah, Ms Zoya Ahmed, Ms Navreet Kaur Khera, Ms Kshipra K, Ms Janki Raj Chauhan, Ms Gopika Krishnan S P, Ms Alsha Abdul Rahim, Ms Treasa Mathews, Ms Nissy Mathew, Mr Rahul Tripathi, Mr Pirakala Sravan Kumar Reddy, Mr Rayapudi Udaya Bhaskar, Mr Yogesh Vohra, Ms Thanmai Vangaveeti & Ms Nadar Anuseeya Vijaykumar Laxmi

V Pharm D & I Pharm D – Post Bacculaureate (15)

Ms Tasneem Raj, Ms Anuvrinda Chunduru, Ms Beena Annie Sam, Ms Maddineni Bhumika, Ms Zainabbas Gulamabbas Ladha, Mr Maddhali Karthik, Mr Anirudh Arun Bhandarkar, Mr Yedavalli Sai Nishanth, Ms Rachana Shetty, Ms Anam Sohail, Ms Beegum Sheena Karim, Mr Aviral Dube, Mr Rajiv Kumar, Ms Rupa Shukla & Mr Ajit Singh

Academic Excellence Awards : 46**B Pharm : 12**

1. For standing First in B Pharm First Year for the academic year 2013-14. The award is shared by Ms Nishma D Khetia, Ms Anajana S, Ms Anushka Pharasi, Ms Melissa Loudina Pais, Ms Harini R, Ms Devika & Mr Suhas B S. These awardees have secured perfect GPA 10 out of maximum 10 GPA.
2. For standing Second in B Pharm First Year for the academic year 2013-14. The award is shared by Ms Krupali Pritesh Shah, Ms Kytharam Ganesh Anusha Sarma, Ms Shristi Sinha, Ms Remya Janes, Ms Vineeta Kumari & Ms Kavya Naik. These awardees have secured a remarkable GPA 9.81 out of 10 GPA.
3. For standing Third in B Pharm First Year for the academic year 2013-14. The award is shared by Mr Gautham & Ms Turni Dutta Gupta. These awardees have secured a GPA 9.75 out of 10 GPA.
4. For standing First in B Pharm Second Year for the academic year 2013-14. The award is shared by Ms Mayura Das & Ms Ayesha. These awardees have secured a perfect GPA 10 out of 9.91 GPA.
5. For standing Second in B Pharm Second Year for the academic year 2013-14. The award is shared by Mr K Karthik Subramanian & Ms Pooja Yasaswi Vempuri. These awardees have secured a remarkable GPA 9.70 out of 10 GPA.
6. For standing Third in B Pharm Second Year for the academic year 2013-14. The award goes to Ms Niraja Narendra Ranadive. The awardee has secured a GPA of 9.65 out of 10 GPA.
7. For standing First in B Pharm Third Year for the academic year 2013-14. The award goes to Ms Dookhee Nabhihah Begum. The awardee has secured an outstanding GPA of 9.85 out of 10 GPA.

8. For standing Second in B Pharm Third Year for the academic year 2013-14. The award goes to Ms Beenaben Bahadursinh Mahida. The awardee has secured a remarkable GPA of 9.77 out of 10 GPA.
9. For standing Third in B Pharm Third Year for the academic year 2013-14. The award goes to Ms Modasia Jinita Bhupendra. The awardee has secured a GPA of 9.69 out of 10 GPA.
10. For standing First in B Pharm Fourth Year for the academic year 2013-14. The award goes to Ms Ekta. The awardee has secured an outstanding GPA of 9.89 out of 10 GPA.
11. For standing Second in B Pharm Fourth Year for the academic year 2013-14. The award is shared by Ms Vora Bhavisha & Mr Shyam Ashok Lakhani. These awardees have secured a remarkable GPA of 9.85 out of 10 GPA.
12. For standing Third in B Pharm Fourth Year for the academic year 2013-14. The award goes to Mr Jovyan Josico D'Silva. The awardee has secured a GPA of 9.81 out of 10 GPA.

Pharm D: 15

1. For standing First in Pharm D First Year for the academic year 2013-14. The award goes to Ms Sophia Menampampil George. The awardee has secured a brilliant aggregate score of 92%.
2. For standing Second in Pharm D First Year for the academic year 2013-14. The award goes to Ms Pires Nichelle Joanne Francis. The awardee has secured a good aggregate score of 90%.
3. For standing Third in Pharm D First Year for the academic year 2013-14. The award goes to Ms Shabnam Hyder. The awardee has secured an aggregate score of 86%.
4. For standing First in Pharm D Second Year for the academic year 2013-14. The award goes to Ms Hina Anjum. The awardee has secured a brilliant aggregate score of 86%.
5. For standing Second in Pharm D Second Year for the academic year 2013-14. The award goes to Ms Sangeetha. The awardee has secured a good aggregate score of 84%.
6. For standing Third in Pharm D Second Year for the academic year 2013-14. The award goes to Mr B Abhishek Shankar. The awardee has secured an aggregate score of 83%.
7. For standing First in Pharm D Third Year for the academic year 2013-14. The award goes to Ms Meenakshi Srinivasan. The awardee has secured a brilliant aggregate score of 85%.
8. For standing Second in Pharm D Third Year for the academic year 2013-14. The award goes to Ms Aastha Dubey. The awardee has secured a good aggregate score of 81%.
9. For standing Third in Pharm D Third Year for the academic year 2013-14. The award goes to Ms Anna Asa Suresh. The awardee has secured an aggregate score of 80%.
10. For standing First among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2013-14. The award goes to Ms Chekka Lakshmi Manasa Sakuntala. The awardee has secured a brilliant aggregate score of 89%.
11. For standing Second among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2013-14. The award goes to Ms Zoya Ahmed. The awardee has secured a good aggregate score of 88%.
12. For standing Third among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2013-14. The award goes to Ms Parvathy R Menon. The awardee has secured an aggregate score of 87%.

13. For standing First among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2013-14. The award goes to Ms Beena Annie Sam. The awardee has secured a brilliant aggregate score of 87%.
14. For standing Second among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2013-14. The award goes to Ms Anam Sohail. The awardee has secured a good aggregate score of 85%.
15. For standing Third among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2013-14. The award goes to Mr Rajiv Kumar. The awardee has secured an aggregate score of 84%.

M Pharm: 19

1. For standing First in M Pharm Part - I Pharmaceutical Chemistry specialisation for the academic year 2013-14. The award goes to Ms Vidya Muley. The awardee has scored an aggregate 76% score.
2. For standing First in M Pharm Part - I Pharmaceutics specialisation for the academic year 2013-14. The award goes to Mr Yugvijay Singh Yadav. The awardee has scored an aggregate 79% score.
3. For standing First in M Pharm Part - I Pharmacology specialisation for the academic year 2013-14. The award goes to Ms Pallavi Siddharth Toprani. The awardee has scored an aggregate 86% score.
4. For standing First in M Pharm Part - I Pharmaceutical Marketing specialisation for the academic year 2013-14. The award goes to Mr Maram Ajay. The awardee has scored an aggregate 81% score.
5. For standing First in M Pharm Part - I Pharmaceutical Administration specialisation for the academic year 2013-14. The award goes to Mr Vamshi Krishna G. The awardee has scored an aggregate 79% score.
6. For standing First in M Pharm Part - I Pharmacy Practice specialisation for the academic year 2013-14. The award goes to Ms R Devi. The awardee has scored an aggregate 84% score.
7. For standing First in M Pharm Part - I Pharmaceutical Quality Assurance specialisation for the academic year 2013-14. The award goes to Ms Smriti Bedi. The awardee has scored an aggregate 75% score.
8. For standing First in M Pharm Part - I Drug Regulatory Affairs specialisation for the academic year 2013-14. The award goes to Ms Arrabelli Spandana. The awardee has scored an aggregate 71% score.
9. For standing First in M Pharm Part - I Industrial Pharmacy specialisation for the academic year 2013-14. The award goes to Ms Bommireddy Ekta Prasanthi. The awardee has scored an aggregate 75% score.
10. The Best Outgoing Student of M Pharm - Pharmaceutical Chemistry specialisation for the academic year 2013-14. The award goes to Ms Simarjeet Kaur. She has scored an aggregate 79% score.
11. The Best Outgoing Student of M Pharm - Pharmaceutics specialisation for the academic year 2013-14. The award goes to Ms Vibha V. She has scored an aggregate 85% score.
12. The Best Outgoing Student of M Pharm-Pharmacology specialisation for the academic year 2013-14. The award goes to Ms Sanchari Basu Mallik. She has scored an aggregate 88% score.

13. The Best Outgoing Student of M Pharm-Pharmacognosy specialisation for the academic year 2013-14. The award goes to Ms Prashanthi Daram. She has scored an aggregate 79% score
14. The Best Outgoing Student of M Pharm - Pharmaceutical Marketing specialisation for the academic year 2013-14. The award goes to Mr Narayanam S P Bharadwaj. He has scored an aggregate 84% score.
15. The Best Outgoing Student of M Pharm - Pharmaceutical Administration specialisation for the academic year 2013-14. The award goes to Mr Raheem Farista. He has scored an aggregate 80% score.
16. The Best Outgoing Student of M Pharm - Pharmacy Practice specialisation for the academic year 2013-14. The award goes to Ms Akriti Kaura. She has scored an aggregate 88% score.
17. The Best Outgoing Student of M Pharm - Pharmaceutical Quality Assurance specialisation for the academic year 2013-14. The award goes to Mr Akula Ramesh. He has scored an aggregate 77% score.
18. The Best Outgoing Student of M Pharm - Pharmaceutical Biotechnology specialisation for the academic year 2013-14. The award goes to Ms Rebecca Kristina Edwin. She has scored an aggregate 84% score.
19. The Best Outgoing Student of M Pharm-Drug Regulatory Affairs specialisation for the academic year 2013-14. The award goes to Mr Abhiram V S. He has scored an aggregate 80% score.

Endowment Awards: 22

1. Late Prof N K Basu Award for the Best outgoing student in Pharmaceutical Chemistry subjects of B Pharm course: The award was instituted by Late Prof N K Basu, the first Director of our institution. For the academic year 2013-14, the award goes to Ms Vora Bhavisha
2. Prof N Krishnamoorthy Award for the best outgoing student in all Pharmaceutics subjects of B Pharm course: The award was instituted by Prof N Krishnammoorthy, the Second Director of our institution. For the academic year 2013-14, the award goes to Ms Vora Bhavisha.
3. Dr P Gundu Rao's Meritorious Award for the best outgoing student of M Pharm course at Manipal College of Pharmaceutical Sciences: The award was instituted by Dr P Gundu Rao, the Third Director of our institution. For the academic year 2013-14, the award goes to Ms Sanchari Basu Mallik.
4. Late Prof S Sankarasubramanian Award: For the best performance in Medicinal Chemistry & Pharmacology subjects of Final Year B Pharm course: The award was instituted by Dr K V S R G Prasad and Dr KK Srinivasan in the memory of their teacher Late Prof S Sankarasubramanian, the Fourth Director of our institution. For the academic year 2013-14, the award goes to Ms Vora Bhavisha.
5. Dr M N Guruswamy Award for the best performance in Pharmacology subjects of B Pharm course: The award was instituted by Dr M N Guruswamy, our former HOD of Pharmacology Department. For the academic year 2013-14, the award goes to Mr Shyam Ashok Lakhani.
6. Late Dr M A Iyengar Award for standing first in Pharmacognosy subjects of B Pharm course: The award was instituted by Dr M A Iyengar, the First HOD of Pharmacognosy Department and his fellow researchers. For the academic year 2013-14, the award goes to Ms Vora Bhavisha.

7. The BPRL, Bangalore and the Pfizer Ltd, Mumbai Awards for the First Rank holder in B Pharm. The prizes were instituted by BPRL, Bangalore and the Pfizer Ltd, Mumbai respectively. For the academic year 2013-14, the awards go to Ms Vora Bhavisha.
8. Anand Chandavarkar Memorial Scholarship for the final year B Pharm student who scores highest marks and pursues post graduation in MCOPS: The scholarship was instituted by M/s FDC Ltd in the name of Anand Chandavarkar. For the academic year 2013-14, the award goes to Ms Ekta.
9. Atmaram Dattatreya Chandavarkar Memorial Scholarship : For the B Pharm graduate of MCOPS who pursues masters in MCOPS and secures highest marks in M Pharm Part - I : The award was instituted by M/s FDC Ltd in the name of Atmaram Dattatreya Chandavarkar. For the academic year 2013-14, the award goes to Ms R Devi.
10. M/s MEDREICH Ltd, Bangalore Award for the Best M Pharm Part-II Project work (Dissertation work). The award was instituted by Mr B Srinivasa Reddy, M/S MEDREICH Ltd, Bangalore. For the academic year 2013-14, the award goes to Ms Aswathi R Hegde.
11. Mr Deepak Kini and Mr Pradeep Nayak, USA Award for standing first in M Pharm Part I. The award was instituted by Mr Deepak Kini and Mr Pradeep Nayak, USA, Alumni of MCOPS. For the academic year 2013-14, the award goes to Ms Pallavi Siddharth Toprani.
12. Institute of Pharmaceutical Education & Research Award for standing first in M Pharm Part - I programmes offered in the Department of Pharmacy Management of MCOPS: The award was instituted by Dr M Burande in the name of Institute of Pharmaceutical Education & Research For the academic year 2013-14, the award goes to Mr Maram Ajay.
13. M/s Lupin Scholarship for the top performer in M Pharm - Part I Pharmaceutics specialization. The award was instituted by M/S Lupin Ltd, Pune. For the academic year 2013-14, the award goes to Mr Yugvijay Singh Yadav.
14. Hospital Pharmacy Foundation, Delhi Award for the Topper of Pharm D Programme. The prize was instituted by Hospital Pharmacy Foundation, New Delhi. For the academic year 2013-14, the award goes to Ms Jewel Maria Francis.
15. Late Mr Joseph Colaco Award for the Best Outgoing Student of B Pharm programme. The award was instituted by Mr Michael Sreshta, our Alumnus, in memory of his friend late Mr Joseph Colaco". For the academic year 2013-14, the award goes to Ms Vora Bhavisha.
16. Mrs Murti Devi Yadav Award for the Top Performance in Pharmaceutical Organic Chemistry subject of B Pharm First Year. The award was instituted by Mr Ravi Kant Yadav, our alumnus (2003-07 batch), in the name of his loving mother Mrs Murti Devi Yadav. For the academic year 2013-14, the award goes to Ms Anjana S
17. Late Shri K Padmanabha Bhat award for the best performers in the subjects of Pharmaceutical Quality Assurance of B Pharm. The award was instituted by Dr Krishnamurthy Bhat, Professor & Head, Department of Pharmaceutical Quality Assurance, MCOPS in memory of his loving father Late Shri K Padmanabha Bhat. For the academic year 2013-14, the award goes to Mr Shyam Ashok Lakhani
18. "Param Pujya Guru" award for the best performers in Pharmaceutical Chemistry subject of III B Pharm. The award was instituted by Dr B S Jayashree, Professor, Department of Pharmaceutical Chemistry, in the name of her Param Pujya Guru. For the academic year 2013-14, the award is shared by Ms Beenaben Bahadursinh Mahida
19. "Param Pujya Guru" award for the best performers in Pharmaceutical Chemistry subject of IV B Pharm. The award was instituted by Dr B S Jayashree, Professor, Department of Pharmaceutical Chemistry, in the name of her Param Pujya Guru. For the academic year 2013-14, the award is shared by Ms Vora Bhavisha

20. "Param Puja Guru" award for the best performers in Pharmaceutical Chemistry of III Year Pharm D. The award was instituted by Dr B S Jayashree, Professor, Department of Pharmaceutical Chemistry in the name of her Param Puja Guru. For the academic year 2013-14, the award goes to Ms Poka Siva Sai Lakshmi Priyanka
21. "Param Puja Guru" award for the best performers in M Pharm - Part I Pharmaceutical Chemistry specialisation. The award was instituted by Dr B S Jayashree, Professor, Department of Pharmaceutical Chemistry in the name of her Param Puja Guru. For the academic year 2013-14, the award goes to Ms Vidya Muley
22. Late Shri Raghunadha Rao Kamineni award for the best performers in the subjects of Pharmaceutics and Pharmacology of Pharm D. The award was instituted by Mr Ramprasad Kamineni, our Alumnus, in the name of his loving father Late Shri Raghunadha Rao Kamineni. For the academic year 2013-14, the award goes to Ms Meenakshi Srinivasan.

Alumni Awards : 5

Distinguished Alumni Awardees 2014:

1. Mr Ramprasad Kamineni
2. Mr Ashok Chandak
3. Dr M Manjunatha Setty
4. Dr D Sreedhar
5. Dr Leelavathy D Acharya

Good Teacher Awards: 3

- 1 Dr N Gopalan Kutty, Department of Pharmacology, is conferred with the Good Teacher Award for the academic year 2013-14 among the teachers of III and IV year B Pharm programmes.
- 2 Dr Alex Joseph, Department of Pharmaceutical Chemistry, is conferred with the Good Teacher Award for the academic year 2013-14 among the teachers of I and II year B Pharm programmes
- 3 Mr Kanav Khera, Department of Pharmacy Practice, is conferred with the Good Teacher Award for the academic year 2013-14 among the teachers of Pharm D programme.

Good Supporting Staff Award: 1

- 1 Mrs Swetha Shetty, Department of Quality Assurance, is conferred with Good Supporting Staff Award for the academic year 2013-14.

Dr N Udupa's Awards:

The following awards were instituted by Dr N Udupa, Director - Research (Health Sciences) Manipal University:

1. **Teacher of the Year Award:** For the academic year 2013-14, the award is conferred on Dr Sreedhara R Pai, Department of Pharmacology.
2. **Supporting Staff of the Year Award:** For the academic year 2013-14, the award is conferred on Mrs U Jayashree, Senior Executive.

3. **Travel/Contingency Grant Awards** for Full time Research Scholars of MCOPS : 8
1. Mr Chethan G H
 2. Mr Kiran Avadhani
 3. Ms Chonkar Ankita Deepak
 4. Ms Zenab Attari
 5. Ms Renuka Suresh Managuli
 6. Ms Bhavana B Bhat
 7. Mr Mradul Tiwari
 8. Mr Devkar Raviraj Anand

Awards for Excellence in Profession:

The following awards are introduced for the first time in MCOPS:

Prize for Best Audio-Visual Teaching Material:

Dr Anup Naha, Department of Pharmaceutics, is conferred with Prize for the Best Audio-Visual Teaching Material

Dr TMA Pai Gold Medal for Outstanding Research

Dr Srinivas S Mutalik, Department of Pharmaceutics, is conferred with Dr TMA Pai Gold Medal for Outstanding Research

Life Time Achievement Award:

Dr N Udupa, Professor, Department of Pharmacy Management, MCOPS and Director - Research (Health Sciences), Manipal University, is conferred with Life Time Achievement Award for the outstanding contribution to the profession of Pharmacy in his protracted academic career.

8. Expectations/New Ventures:

- **Introduction of Bachelor of Pharmacy (Practice) programme :**

Pharmacy Council of India, New Delhi proposed a new programme, namely, Bachelor of Pharmacy (Practice), for the benefit of experienced pharmacists with Diploma in Pharmacy (D Pharm) qualification. We will be commencing the two-year programme from the academic year 2015-16.

- **Ranking status of the college :**

Having been rated the third best pharmacy college in the country, it is the dream of everybody connected with MCOPS to make it the best- *numero uno*. Every effort will be made to achieve that.

- **Student satisfaction :**

The college will strive to enhance the student satisfaction and to admit quality students at every level.

- **Collaborations :**

More collaboration with other foreign universities, research institutes and industries will be tried and pursued.

9. Gratitude:

All the activities at MCOPS get support and guidance from the following persons of the management and Manipa University. We look forward to their patronage in the coming years as well.

1. Chancellor Dr Ramdas M Pai, and our Patron Mrs Vasanthi R Pai
2. Dr Ranjan Pai
3. Pro Chancellor Dr H S Ballal
4. Vice Chancellor Dr K Ramnarayan
5. ProVice Chancellors, Dr H Vinod Bhat and Dr Surendra V Shetty
6. Registrar Dr G K Prabhu

We also wish to express our gratitude to Mr Ramprasad Kamineni (Alumnus), Dr Krishnamurthy Bhat, Professor & Head, Department of Pharmaceutical Quality Assurance and Dr B S Jayashree, Professor, Department of Pharmaceutical Chemistry, who have generously contributed to the Endowment Funds to initiate new Endowment Awards.

10. Obituary :

We are extremely sorry to inform the sad demise of the following:

- Ms Kundan Singh Choudhary (Pharm D - Post Baccalaureate Programme), alumnus of MCOPS, passed away on April 27, 2014.



- Mr Bhanu Sharma (M Pharm Part I - Industrial Pharmacy), student of MCOPS passed away on January 4, 2015.



**“Our knowledge is the amassed thought and
experience of innumerable minds”**

- Emerson

We continue to work hard to bring out a better Annual Report in 2015-16.

Thank you