

Manipal College of Pharmaceutical Sciences, Manipal

“The most sought-after destination for Pharmaceutical Education”

Quality Policy

Manipal College of Pharmaceutical Sciences is committed towards providing value-based pharmaceutical education to meet industry, hospital and community needs through continuous improvement of infrastructure and facility for learning, practice and research. Manipal College of Pharmaceutical Sciences shall provide an environment conducive to the development of staff and students.

Our Mission Statement

“Excellence in Pharmaceutical Education and Research, Marching with the Times”.

Dr TMA Pai, the founder of the Kasturba Medical College, Manipal realized this fact and taking advantage of the full-fledged Medical and Engineering Colleges already established by him, embarked on the establishment of College of Pharmacy in 1963 as part of the Kasturba Medical College. To begin with, Diploma of Pharmacy (1963) course was started followed by B Pharm (1965), M Pharm (1970), Pharm D and Pharm D Post Baccalaureate (2008).

MCOPS @ 50

Founded by Dr T M A Pai in 1963 and christened as College of Pharmacy, the institution was for more than two decades a satellite of Kasturba Medical College. After moving to the new premises in the eighties, the college got independent status and became College of Pharmaceutical Sciences (COPS) and later Manipal College of Pharmaceutical Sciences (MCOPS).

From the very beginning, MCOPS had men of repute to guide and nurture it. Earlier, the head of the institution was designated Director. Prof N K Basu, a medicinal chemist was the first Director. After his retirement, Prof N Krishnamurthy played the role of Director. Dr P Gundu Rao took up the post from Prof Krishnamurthy. When Dr Rao went on an overseas assignment, the college got a new Director in Dr S Sankarasubramanian. Dr Gundu Rao again assumed the office of Director after his return. It was during his second tenure that MCOPS became a full-fledged college and Dr Rao became the principal. Dr M N A Rao was the next to head the institution and he was in charge until 1997. From 1997 onwards Dr N Udupa was at the helm in MCOPS until his retirement in 2013.

MCOPS has come a long way since 1963. The college has DPharm, BPharm, MPharm (11 specialisations), PharmD, PharmD Post-Baccalaureate and PhD programmes running successfully. All the programmes conducted at MCOPS have received the sanction from AICTE and/PCI. The institution, a constituent college of Manipal University, has got “A” accreditation from NAAC and certification from ISO 9001:14 000.

MCOPS has received significant financial assistance from AICTE, DST, DBT, UGC and other funding agencies helping it to modernize its laboratories and remove obsolescence. New buildings and extensions have been made to keep pace with the newer initiatives and courses that were launched in the last few years. With modern well-equipped laboratories and air-conditioned lecture halls, there is the right ambience for learning in the college. A significant number of post-graduate students are recipients of GATE or GPAT scholarship from AICTE.

MCOPS is a Quality Improvement Centre, recognised by AICTE. This has enabled teachers from other institutions to choose MCOPS for pursuing their doctoral work. Most of the faculty members at MCOPS have acquired PhD or are working for it. Up until now, MCOPS has produced 117 PhD holders, 1,552 research publications in National/International journals of repute, 1,557 conference presentations, 12 books, 8 patents. Besides, it has received more than 15 crores grant-in-aid from various funding sources. The college, therefore, is verily a research hub. Faculty, research scholars and postgraduates publish their work in reputed journals with impact factor besides making presentations at national and international conferences.

Seminars, Workshops and Symposiums held regularly, keep the college a beehive of activity all through the year. These academic exercises help to update faculty and students with the developments in pharmaceutical sciences. Learning process is thereby facilitated.

Interaction with pharma industry is kept alive through the Industry-Institute-Partnership Cell. MCOPS has a Placement Cell that facilitates campus recruitment by pharma companies. MCOPS graduates and postgraduates have found suitable placement in reputed pharmaceutical companies and academic institutions, in India and abroad.

Our alumni strength as on today is 5599. Many of whom are doing exceedingly well in careers, are our ambassadors. A few are very successful entrepreneurs with flourishing business or industries.

Indian Pharmaceutical Congress (IPC) is an annual conference of pharmacists where a large number of delegates participate. Manipal has the unique distinction of playing host to this event thrice- 23rd (1972), 42nd (1990) and 62nd (2010). The 62nd IPC in December 2010 brought close to 9000 delegates to this township. For Manipal this meet was a record in terms of number of delegates.

MCOPS celebrated its Golden Jubilee in 2012-13 through yearlong academic and non-academic programmes. Six conferences/conventions, a cricket T20 tournament, national pharmacy quiz and a number of workshops, staff development programmes and summer training school were held.

Now in the 52nd year of its existence, MCOPS is the destination for all those who aspire for quality education in pharmaceutical sciences in India. Nothing would have pleased the Founder of Manipal more!

Annual Report (January - December 2013)

1. Academic Status :

The college conducts D Pharm, B Pharm, M Pharm, Pharm D and Pharm D Post Bacallaureate and Ph D programmes. M Pharm is offered in 10 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 post graduates 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 PhD at MCOPS.

During the current (2013-14) academic year, 85 B Pharm, 30 Pharm D, 8 Pharm D Post Bacallaureate and 126 M Pharm candidates were admitted. The total student strength is 838, the breakup of which is as follows: B Pharm (I-IV) 387, Pharm D (I-V) 177, Pharm D Post Bacallaureate (I-III) 24, M Pharm (I, II) 250 and PhD 46.

2. Quality Objectives :

Excellence in education, health care and research to maintain a place in the top ten colleges in India.

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%	93.76 %
	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	4.14
2	Student feedback on infrastructure	3.2	4.25
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)	114
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)	152 AIF = 0.48
6	Amount of research grants to be secured	Rs One crore	Rs 1.62 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 = 10 Awarded-10
EMS Objectives for the year 2013			
1	Reduction in paper consumption (Minimum 5% over a period of 3 years)		
2	100 reporting of all environmental incidents		

3. Accomplishments :

(a) Academics:

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	83	90
II B Pharm	78	90
III B Pharm	83	99
IV B Pharm	82	99
I Pharm D	30	97
II Pharm D	29	100
III Pharm D	30	100
IV Pharm D	28	100
V Pharm D	23	100
I Pharm D Post Baccalaureate	8	100
II Pharm D Post Baccalaureate	10	100
III Pharm D Post Baccalaureate	10	100
M Pharm - Part I	100	100
M Pharm - Part II	100	100

During the academic year 2012-13, 80 B Pharm, 103 M Pharm, 10 Pharm D - Post Baccalaureate and 10 PhD candidates successfully completed their courses.

MCOPS Alumni strength

D Pharm	1,316
B Pharm	2,668
M Pharm	1,469
Pharm D - Post Baccalaureate	29
PhD	117
TOTAL	5,599

(b) Teaching :

Manipal College of Pharmaceutical Sciences, Manipal has 73 experienced teaching faculty members. Most of MCOPS faculty members are doctorate degree holders and committed towards 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 4.2 on a scale of 5. Their research skills are also exemplary.

Apart from the full-time faculty, five faculty members from other sister institutions of Manipal University and 36 guest teachers from various reputed pharmaceutical industries supplement the teaching. Further, 75 supporting staff members provide technical assistance to the faculty and students.

(c) Research :

MCOPS is known for its research activity and output. The faculty, post graduates and research scholars publish their research outcome regularly in national and international journals of repute. In the current year, 114 research papers were presented in various national and international level conferences and 152 research papers were published with a total impact factor of 72.65. The College received grants worth Rs. 1.62 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 : 114

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

Following are the details :

Oral Presentations in International Conferences : 22						
Sl #	Name of the Principal Author	Co-authors	Title of the Abstract	Conference	Location	Date & Month
1	Jayashree B S	Shishir Kawade, Venkatachalam H	Anticancer Evaluation of Some of the Novel Iminoflavones	6 th International Congress of Chemistry & Environment (ICCE-2013)	Antwerp, Belgium	8 - 10, July
2	N Udupa	Praful B Deshpande, Aravind Kumar Gurram, Ranjith Kumar Averineni, Prashant B Musmade and M Sreenivasa Reddy	Preparation, Characterization and In Situ Absorption Studies of Lercanidipine Loaded Eudragit Nanoparticles	40 th Annual Meeting & Exposition of the Controlled Release Society	Hawaii Convention Center, Honolulu, Hawaii, USA	21 - 24, July
3	B S Muddukrishna	Spandana, Vasantha Raju and Girish Pai	A Validated Stability Indicating HPLC Method for Determination of Meropenem in Active Pharmaceutical Ingredient and Sterile Pharmaceutical Dosage Form	'Pharm Sci 2013 - International Conference The Science of Medicines'	Heriot Watt University, Edinburgh, UK	2 - 4, September

4	Swapnil J Dengale	Prashant Musmade, Ganesh Bhavar	High Performance Liquid Chromatographic Method for Determination of Nelfinavir in Small Volumes of Rat Plasma	'Pharm Sci 2013 - International Conference The Science of Medicines'	Heriot Watt University, Edinburgh, UK	2 - 4, September
5	Rekha R Shenoy	Amar Deep Singh, Anoop Kishore, Mallikarjuna C Rao	Wound healing effects of chlorogenic acid and ferulic acid: A pre-clinical study	International Research Conference	Hotel Pearl International, Malaysia	26 - 27, September
6	Anoop Kishore	Geetha Mathew, Rekha R Shenoy, Challamamudi Mallikarjuna Rao	Effect of nicotinamide- thiazolidinone bridged molecules on glucose utilization An invitro and cell- based study	International Research Conference	Hotel Pearl International, Malaysia	26 - 27, September
7	Prashant B Musmade	Shivaji Chattur, Ganesh Bhavar, Kranti P Musmade, M Trilok Chander and N Udupa	Pre-Clinical Evidence of Life- Threatening Pharmacokinetic interaction between Quercetin and Methotrexate	10 th International ISSX meeting	Toronto, Canada	29 Sep - 3 Oct
8	Anantha Naik Nagappa		Pricing policy for a patent medicine ??? Need for changing the frame work of rewarding an Innovation	3 rd International Conference on Pharmaceutical Regulatory Affairs	Double Tree by Hilton Hotel San Francisco Airport, USA	21- 23, October
9	Prasanna Kumar Shetty	Nair S, Thunga G, Vijayanarayana K	Difference in Interdialytic Intervals Leading to Hospital Admission and Mortality in Hemodialysis patients	International Society for Pharmacoecono mics & Outcomes Research (ISPOR) 16 th Annual European Congress'	Dublin, Ireland	2 - 6, November
10	Raghu C Hariharap ura	Praveen K S, Subrahmanyam V M, Venkata Rao J	Studies on Anticancer Activities of	XX World Congress on Parkinson's	Geneva, Switzerlan d	8 - 11, December

			Chitinase from Streptomyces Griseus	disease and related disorders		
11	Sudheer Moorkoth	Naseer M	Evaluation of anti-cancer properties of the heartwood of Caesalpinia sappan	5 th Global Summit on Medicinal and Aromatic Plants	Miri, Malaysia	8 - 12, December
12	K B Koteswara	M Sreenivasa Reddy, Y Mahathi	Gastro retentive floating microspheres of carvedilol-formulation characterization and in vitro Evaluation	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December
13	P V R Chowdary	Khushbu C Mehta, Hina Ali	Antioxidant and Anticancer Activity of Some Novel Isoxazoline Substituted Phenyl Sydnone	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December
14	Alex Joseph	Sharad Kumar Suthar, Amit Tiwari, Angel Treasa Alex	Synthesis and Biological Evaluation of oxindole Derivatives for Antidepressant Activity	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December
15	C S Shreedhara	Sowmya S, Dhirendra B Sanghai, Kranti P Musmade, K B Koteswara	Preparation of Nanoformulation of Triphala Extract and Evaluation of its in Vitro Antioxidant and Cytotoxic Potential	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December
16	Raghu C Hariharapura	Anuraag Muralidharan, Pallavi Shetty, Srinivas Mutalik, Venkata R	Mini AA Crystallin Peptide Potentiates Anti-inflammatory Activity of Diclofenac sodium	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December
17	Jesil Mathew Aranjeni	Nabeel Abdulrahman, Atulya Manuel, J Venkata Rao	Design and Evaluation of Moxifloxacin Entrapped Nanoparticles Targeting Staphylococcus Aureus Biofilm Based Infections	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18, December

18	Angel Treasa Alex	Udupa N, Venkata Rao J, Sreenivasa Reddy M	Formulation Development and Evaluation of Carboplatin-poly-ε-caprolactone nanoparticles	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Sri Lanka	16 - 18 , December
19	Tippavajhala Vamshi Krishna	Sreenivasa Reddy M, Udupa N	High Performance Liquid Chromatographic (HPLC) Determination of Rifampicin in Fixed Dose Combination Products used in Tuberculosis Therapy	"The MacroTrend Conference on Health & Medicine : Paris 2013"	Paris, France	20 - 21, December
20	Girish Pai K	Sreenivasa Reddy M, Udupa N	Formulation and Evaluation of Extended Release Ocular Inserts prepared from Synthetic and Natural Biodegradable - Biocompatible Polymers	"The MacroTrend Conference on Health & Medicine : Paris 2013"	Paris, France	20 - 21, December
21	K S R Pai	Pawan G Nayak, Piya Paul, N Gopalan Kutty	Ameliorative action of novel 3,4-mythylene dioxybenzene derivatives in Chinese hamster lung fibroblasts against chemical /radiation toxicity	"The MacroTrend Conference on Health & Medicine : Paris 2013"	Paris, France	20 - 21, December
22	C Mallikarjuna Rao	Neetinkumar D Reddy, Shoja M H, B S Jayashree, K S R Pai	Anti-cancer Evaluation of Novel Cinnamyl Sulfonamide Hydroxamate Derivatives In Vitro	"The MacroTrend Conference on Health & Medicine : Paris 2013"	Paris, France	20 - 21, December

Oral Presentations in National Conferences : 24

SI #	Name of the principle author	Co-authors	Title	Conference	Location	Date & Month
1	Ruchi Verma	Das M, Saleem TSM, Kumar L, Gauthaman K	Comparative effect of Cardioprotective Activity of Crude Aqueous and Catechin	Conference-Colloquy	Muniyal Ayurveda College, Manipal	6, September

			Extract from Black Tea on Oxidative Stress Models of Myocardial Ischemic Reperfusion Injury- A Phytopharmacological Study			
2	Girish Pai K	Vamshi Krishna T, Lalit Kumar & M Sreenivasa Reddy	Nutraceuticals: Recent Advances in Manufacturing Process & Importance of Critical Process Parameters	Conference-Colloquy	Muniyal Ayurveda College, Manipal	6, September
3	Srinivas Mutalik	Guruprasad Kalthur, Meka Sreenivasa Reddy, N Udupa	Development and Evaluation of Topical Formulations Containing Withaferin-A	18 th APTI National Convention	Rajahmundry, Andhra Pradesh	25 - 27, October
4	H N Aswatha Ram	Rupali Deshpande, C S Shreedhara	HPTLC Determination of Curcumin in Rajanyadi Churna	APTI - 18 th Annual National Convention	Rajahmundry, Andhra Pradesh	25 - 27, October
5	Jagadish PC	Shareef Ahmad, Krishnamurthy Bhat	Development and Validation of RP-HPLC Method for Simultaneous Estimation of Acetylcysteine and Acebrophylline in Formulation	`APTICON - 2013'	Rajahmundry, Andhra Pradesh	25 - 27, October
6	S G Vasantharaju	Amol Nilkanth Waghmare, B S Muddukrishna	Analytical Method Development and Validation for Simultaneous Estimation of 7Amlodipineand A8torvastatin by RP-UPLC	`APTICON - 2013'	Rajahmundry, Andhra Pradesh	25 - 27, October
7	V M Subrahmanyam	K Narayanan, K Pallavi, J Venkata Rao	Curcumin Loaded Nano-Liposomes: Optimization of Formulation Conditions Using Design of Experiment	`APTICON - 2013'	Rajahmundry, Andhra Pradesh	25 - 27, October
8	Pradeep M Muragundi	Anil T M, Ranjan Shetty K, Udupa N, Anantha N N	Assessment of Health Related Quality of Life and Cardiovascular Risk Factors Among Coastal Rural Population	`Manipal Cardiology update 2013'	MIT, Manipal	1 November
9	Srinivas Mutalik	Pallavi Shetty, Aravind Kumar,	Peptide Dendrimer Assisted Deposition	Conference on `Bench to Beside	Manipal	15 - 17, November

		Rohit Kalra, M Sreenivasa Reddy, N Udupa, Harendra S Parekh	and Permeation of 5-Fluorouracil Through Human Epidermis	Translational Research'		
10	Usha Y Nayak	Santhoshi G Reddy, Om Prakash Ranjan, M Sreenivasa Reddy	Gastro Retentive Pulsatile Release Lercanidipine HCl Formulations: Development, Evaluation, In Vivo Buoyancy and Pharmacokinetic Study	Conference on 'Bench to Beside Translational Research'	Manipal	15 - 17, November
11	Rekha R Shenoy	Phani Krishna K, Hemalatha K, Pawan G Nayak, Mallikarjuna C Rao	Investigation of sesamol on myeloperoxidase and colon morphology in experimentally induced colitis	Conference on 'Bench to Beside Translational Research'	Manipal	15 - 17, November
12	V M Subrahman yam	K Narayanan, N Sivagurunathan, J Venkata Rao	Studies on Screening, Isolation and Optimization of Fungal Chondroitinase	54 th Annual Conference of Association of India-2013	Rohtak	17 - 20, November
13	Mahalaxmi Rathnanand	Nagendra Prabhu B, M Sreenivasa Reddy	Curry leaves in our diet and its health benefits	AYURVISION-2013	Shirdi Sai Baba Conferen ce Hall, KMC, Manipal	22 - 23, November
14	Jessy Elizabeth Mathew		Mast cell stabilizing activities of different extracts of Clerodendrum indicum	'Pharma Trendz 2013'	Kannur, Kerala	30 November
15	R S Jeyaprakash	Jessy Elizabeth Mathew, Kerry n Joseph	Protective effect of ethanol extract of Graptophyllum pictum in Gentamycin induced nephrotoxic rats	'Pharma Trendz 2013'	Kannur, Kerala	30 November
16	Vamshi Krishna T	Sreenivasa Reddy M	Formulation and evaluation of enteric coated pellets of Rifampicin & Isoniazid with improved Rifampicin stability	National Seminar on Health Care Management	Manipal	3 - 5, December
17	Lalit Kumar	M Sreenivsa Reddy	Supercritical Fluid Technology in the field of Pharmaceutical Research	National Seminar on Health Care Management	Manipal	3 - 5, December
18	Usha Y	Dasari Naga	Nelfinavir	46 th Annual	Bangalo	16 - 18,

	Nayak	Naresh, Om Prakash Ranjan, M Sreenivasa Reddy	Nanocrystals: Development, Evaluation & Pharma cokinetic Study	Conference of IPS	re	December
19	Shaila Lewis	Rupesh K Shirodkar, Srinivas Mutalik, Pallavi K Shetty	Formulation and evaluation of nanostructured lipid carrier for the oral delivery of lacidipine	20 th National Conference on Liquid Crystals	MIT, Manipal	16 -18, December
20	K S R Pai	Grandhi V Ramalingayya, Shreenivas R Deshpande	Pharmacological Evaluation of Novel Pyridazine Derivatives for Possible Anti- neoplastic activity against Ehrlich's Ascites Carcinoma and Dalton's Ascites Lymphoma in Swiss albino mice	Indian Pharmacological Society Conference	Bangalor e	16 - 18, December
21	Yogendra Nayak	Albi Francis, Neethu Susan Mathew	Cardioprotection by Bilimbi Extract	'IPSCON-2013'	Nimhans Conventio n Centre, Bangalore	16 - 18, December
22	Lalit Kumar	M Sreenivsa Reddy, Rupesh K Shirodkar, Pallavi Shetty	Development of a HPLC method for analysis of valsartan in pharmaceutical dosage forms	65 th Indian Pharmaceutical Congress	New Delhi	20 - 22, December
23	Ligade V S	Sreedhar D, Janodia M, Muragundi P, Udupa N	Analysis 4 P's of some selected cosmeceutical brands			
24	Sreedhar D	Jomy J, Virendra S L, Pradeep M, N Udupa	Awareness about Medicine Safety Among General Public			

Poster Presentations in International Conferences : 54

Sl No	Name of the principal author	Co-authors	Title	Conference	Location	Date & Month
1.	Sreenivasa Reddy M	Basavareddy VK, Rajan OP, Mutalik SS, Udupa N	Preparation and Optimization of Eudragit Nanoparticle of Valsartan	The International Research Conference	Bangkok Thailand	5 - 6, March
2.	K B Koteshwara		Effect of Surfactant Tween 80 & Freeze Drying in Formulation of Pioglitazone Nanosuspension & its <i>In</i> <i>VIVO</i> Pharmacokinetic Evaluation			

3.	Lewis Shaila Angela	Sharma Pushkar Raj	Stability of Marketed Albendazole Suspensions and Correlation Between Zeta Potential and Sedimentation	The International Research Conference	Bangkok Thailand	5 - 6, March
4.	Suvarna G Kini	Pramod B Kumar, Muhammad Mubeen	Design, synthesis, antibacterial and antifungal activity of some benzotriazole derivatives			
5.	C S Shreedhara		Effect of Elicitors on the Production of Hispidulin in the Suspension culture of <i>Millingtonia Hortensis</i>			
6.	Yogendra Nayak	Geetha Mathew Venkatachalam H, Vijaykumar Daroji, Jayashree BS, Unnikrishnan MK	Modulation of Skeletal Muscle Glucose Uptake by New Synthetic Flavonoids			
7.	Anoop Kishore	Tara Shanbhag, Veena Nayak, Smita Shenoy, Vasanth Kumar Akshata Nayak Zurica Palhia, Shamayeeta Chakraborty	The possible role of prostaglandins in the mediation of uterine contractility and initial wound contraction caused by castor oil			
8.	Nitesh Kumar	Neetinkumar Reddy, Geetha Mathew, P Vasanth Raj, Madhavan Nampoothiri G, N Udupa, C Mallikarjuna Rao	Evaluation of in vitro hepatoprotection & inhibitory action of charged liposomes of Silymarin			
9.	Madhavan Nampoothiri G	C Mallikarjuna Rao, Jessy John, Nitesh Kumar	Protective effect of rivastigmine against aluminium induced spatial memory impairment in rats			
10.	Jagadish P C	Parishit S Chindhade, Krishnamurthy Bhat and Sudheer Moorkoth	Stability-Indicating HPTLC Method for the Estimation of Paliperidone in Bulk Drug			
11.	N Sivagurunat han	Samiksha Mirikar, B Meenashi Vanathi, J Venkata Rao, N Udupa	Targeting cancer cells based on nutritional requirements using nanoparticles			
12.	N Sivagurunat	Vishnu Priya, B Meenashi Vanathi,	<i>In vitro</i> anticancer activity of <i>calotropis</i>			

	han	J Venkata Rao, N Udupa	<i>gigantea</i> root extract			
13.	Jesil Mathew A	Atulya M, Ethiraj K R	Investigations on cytotoxicity and farnesyltransferase inhibitory activity of 2-amino pyrimidine derivatives			
14.	Venkata Rao Josyula	Hitesh V Jagani, Narayanan K	Cationic liposomal formulation of siRNA for silencing anti-apoptotic Bcl-2 gene in HeLa (human cervical carcinoma) cells			
15.	Krishnamurthy Bhat	Abhilash Madhavaneni, S T Bhagawati	Critical Analysis of Biosimilar Approval Process			
16.	C Mallikarjuna Rao	VGanga Prasad, N D Reddy, B S Jayashree, Shishir Kawade	In vitro evaluation of substituted Imino-flavones for possible apoptotic activity on cancer cell lines			
17.	N Gopalan Kutty	Jayesh Mudgal, Geetha Mathew, S A Manohar Reddy, S G Vasanthraju, C Mallikarjuna Rao	Mechanistic evaluation of Thiazolidin-4-Ones against inflammation			
18.	KSR Pai	Pawan G Nayak, N Gopalan Kutty	Sesamol, a phytoconstituent of sesame seeds, alleviates doxorubicin-induced damage in cardiac myocytes and preserves the antioxidant milieu			
19.	H N Aswatha Ram	R Sharad Nile and C S Shreedhara	Anti-Inflammatory and Anthelmintic Activities of an Ayurvedic Classical Preparation <i>Nimbadi Churna</i>			
20.	Vasudev Pai	A Mandahasan, Dr C S Shreedhara	"Evaluation of anti-neoplastic activity (<i>In Vitro</i>) of <i>Tecomella undulate</i> (Seem) bark "			
21.	M Manjunath Setty	Sreenivasan K K, Annie Shirwaikar	Preliminary Phytochemical screening and HPTLC quantification of lupeol from the alcoholic extract of <i>Rolula aquatica</i> Lour			
22.	Dr Anup Naha	M Sreenivasa Reddy, N Udupa	Formulation and <i>In vitro</i> of Self-Nanoemulsifying			
				DUPHAT 2013	Dubai International Convention Centre, Dubai	10 - 12, March

			Drug Delivery System (SNEDDS) of Gliclazide			
23.	Aravinda Pai	B S Jayashree and Shishir Kawde	Synthesis, Characterization, Antioxidant and Anticancer Evaluation of Substituted Thiochalcones			
24.	Radhakrishnan Rajesh	Dr Sudha Vidyasagar, Dr Danturulu Muralidhar Varma	Direct cost of adverse drug reactions to highly active antiretroviral therapy in Indian human immunodeficiency virus positive patients			
25.	Dr Seekarajapuram Vachala Dinakaran	Dr Keloth Kothari Srinivasan	Synthesis and biological evaluation of some novel 2-chloromethyl-3-substituted pyrido[2,3-d]pyrimidin-4(3H)-ones			
26.	R S Jeyaprakash	Manikanta Swamy M	Synthesis of novel Phthalazinone derivatives and evaluation of their <i>in vitro</i> anticancer activity	DUPHAT 2013	Dubai International Convention Centre, Dubai	10 - 12, March
27.	M K Unnikrishnan	Geetha Mathew, Jaicy M George, Ega Durgashivaprasad	DMFO-a novel non-ulcerogenic antiinflammatory molecule targeting cyclooxygenase 2 and mast cells			
28.	Khera Kanav	Dr Nagappa A N, Dr N R Rao	Patient Reported Outcomes and Quality of Life in Patients with Rheumatoid Arthritis			
29.	Mr Krishna B S M	Dr Krishnamurthy Bhat, Dr G Gautham Shenoy	Stability indicating validated HPLC method for determination of Febuxostat in drug substance and marketed formulation			
30.	Mr Swapnil J Dengale	Dr Krishnamurthy Bhat, Dr G Gautham Shenoy	Effect of single dose Ritonavir on the oral pharmacokinetics of CYP3A4 probe drug Midazolam			
31.	Mr Syed Sajjad Hussien	Dr Udupa, Dr Krishnamurthy Bhat,	Stability Indicating Validated RP-HPLC method for Simultaneous Determination of Lamivudine,			

			Zidovudine & Avacavir Sulphate in drug substance and marketed formulation			
32.	Manthan D Janodia	Jeena, Abhishek, N Udupa	Job Satisfaction: Need Of The Hour	International Conference on Management - ICM 2013	Kuala Lumpur, Malaysia	30 - 31, March
33.	Rajesh Radhakrishnan	Sudha Vidyasagar, Muralidhar D Varma	Evaluating the impact of educational interventions on use of highly active intiretroviral therapy and adherence behavior in Indian human immunodeficiency virus positive patients: Prospective Randomized Controlled Study	attend and present a poster at the 26 th International Conference on Antiviral Research (ICAR 2013)	San Francisco, California, USA	11 - 15, May
34.	Udupa N	Janodia M D, Pradeep M M, Ligade V, Sreedhar D	Pharmacoeconomics: Need to implement as a tool for drug reimbursement in India	ISPOR 18 th Annual International Meeting	New Orleans, LA USA	18 - 22, May
35.	Alex Joseph	Sharad Kumar Suthar, Varun Jaiswal, Sandeep Lohan, Sumit Bansal, Anil Chaudhary, Amit Tiwari, Angel Treasa Alex	Synthesis and biological screening of novel quinolin-2(1H)-one substituted thiazolidin-4-ones	Drug Discovery and Therapy World Congress- 2013	Boston USA	3- 6, June
36.	Angel Treasa Alex	N Udupa, Josyula Venkata Rao, Alex Joseph	Formulation and Evaluation of Etoposide Nanosuspension for Brain Delivery by Nasal route	Drug Discovery & Therapy World Congress - 2013	Boston USA	3 - 6, June
37.	Suvarna G Kini	Amala Abraham, Muhammad Mubeen	Design, Synthesis and Vasorelaxant activity of some novel 5-nitro Benzimidazole derivatives	CHI's Structure Based Drug Design Conference	Hotel Revere, Boston, USA	19 - 21, June
38.	Prashant B Musmade, Kranti P Musmade, Praful B Deshpande, Naseer Maliyakkal M, M Sreenivasa Reddy and N Udupa	A Ranjith Kumar	Methotrexate-Loaded Biodegradable Nanoparticles: Preparation, Characterization and Evaluation of its Cytotoxic Potential against U-343 MGa Human Neuronal Glioblastoma Cells	Nano Formulation 2013 Conference	Manchester, UK	19 - 21, June
39.	C S	Shetti Sandeep,	Antidiabetic activity of	2 nd	Antwerp	8 - 10,

	Shreedhara	Sanghai Dharendra	aqueous and alcoholic leaf extract of <i>Paederia foetida</i> Linn in streptozotocin-nicotinamide induced diabetic rats	International Society of Biotechnology Conference (IBST-2013)	Belgium	July
40.	J Venkta Rao	Deepak Khatri, Hitesh Jagani, N Sivagurunathan	Soil Screening for Prokaryotes Producing Proliferators of T-Lymphocytes	2 nd International Society of Biotechnology Conference (IBST-2013)	Antwerp Belgium	8 - 10, July
41.	Parimi Veerbhadra rao Chowdary	Nikhil Raveendran and Khushbu C Mehta	Rational design and evaluation of substituted acetamides bearing 2-[3-acetyl-(1H-indole/5-methoxy-1H-indol-1-yl)] motifs as novel acetyl cholinesterase inhibitors	'Challenges in Medical Biology' (ISACS11)	MIT, Boston USA	23 - 26, July
42.	Syed Sajjad Hussien	Praful Deshpande, Premnath Shenoy, N Udupa	Preparation and Evaluation of Tenofovir Loaded Eudragit RL and Eudragit RS Nanoparticle Formulation	73 rd FIP World Congress 2013	Dublin Ireland	31, August to 5, Sept
43.	Anantha Naik Nagappa	Uday Venkat Mateti, Asim Priyendu, Swapna S, Nischita Prabhu	The Application of Mass SMS as Tool for Patient Education and Reminder	Medicine 2.0: Social Media, Mobile Apps & Internet/ Web 2.0 in Health, Medicine & Biomedical Research	London England	23 - 24 September
44.	Richard Lobo	Vijaykumar Sodde, Nipun Dashora	<i>In vitro</i> cytotoxic activity of <i>elytranthe parasitica</i> (l) danser on human lung adenocarcinoma cells (a 549)	International Research Conference	Kuala Lumpur Malaysia	26 - 27, September
45.	Kunhikatta V	Rao N R, Naik AN, Yamsani B, Thunga G	Antibiotic Consumption Pattern in Hospital Acquired Pneumonia	International Society for Pharmacoeconomics & Outcomes Research (ISPOR) 16 th Annual European Congress	Dublin, Ireland	2 - 6 November
46.	Nair S	Mathew J, Palaye M, Faryabi R, Shetty P, Shivshankar K, Thunga G	Antibiotic Utilization in Complicated Urinary Tract Infection in a Tertiary Care Teaching Hospital in South India			
47.	Kumar P	Prabhu A R, Bairy M,	Difference in Interdialytic Intervals Leading to Hospital Admission and			

			Mortality in Hemodialysis Patients			
48.	Pradeep M Muragudi	Rajan Shetty K, N Udupa, Anantha Nagappa Naik	A study of promotional materials indicated in FDA notices of violations and warning letters	2013 AAPS Annual Meeting & Exposition	San Antonio, Texas	10 - 14 November
49.	R Rajesh	Sudha V, Varma DM, Naren P, Poornima P	Pattern of Adverse Drug Reactions in HIV Infected Patients Treated with Combination Antiretroviral Therapy in an Indian Tertiary Care Teaching Hospital: A Prospective Intensive Monitoring Study	6 th Asian Association of Schools of Pharmacy (AASP) Conference	Singapore	14 - 17 November
50.	Girish Thunga	Sureshwar Pandey, Sudha V Sagar	To compare the effect of blood level of pralidoxime on blood level of methyl parathion in acute organophosphorus (OP) poisoning	12 th Congress - Asia Pacific Association of Medical Toxicology'	Zayed University Convention Center, Dubai, UAE	21 - 23 November
51.	N Sivagurunathan	Mradul Tiwari, Hitesh Jagani, K Narayanan, J Venkata Rao	Jaggery in the synthesis of Copper nano particles: the green chemistry approach	'3 rd Nano Today Conference'	Biopolis, Singapore	8 - 11, December
52.	M Manjunath Setty	Sahithi Aadepe, Raviraj Devkar, Seena K X, Shilpee	Antiuro lithiatic Potential of Certain Amaranthaceae Plants of Western Coast of South India	World Congress on Pharmaceutical Sciences and Chemical Technology	Colombo, Srilanka	16 - 18, December
53.	Vasudev Pai	Rudraprabhu V Savadi, Ananth Bhandarkar	Effect of <i>Zanthoxylum rhesta</i> Roxb (Bark) extracts on triglyceride and cholesterol levels in diabetic rats		Colombo, Srilanka	16 - 18, December
54.	Saleemulla Khan	Lalithya Kantamneni, Beena Bhat	Isolation and characterization of oligomeric procyanidins rich polyphenol fraction of cinnamomum cassia bark and its' in vitro and in vivo antidiabetic studies		Colombo, Srilanka	16 - 18, December

Poster Presentations in National Conferences : 14

Sl No	Name of the Principal Author	Co-authors	Title	Conference	Location	Date & Month
1.	Richard Lobo	Vijaykumar Sodde	In Vitro Cytotoxic activity of Macrosolen Parasiticus (1) danser on mcf- 7 cell lines	5 th International Conference on Medicinal and Herbal Products (ICMHP)	Manipal	25 - 27, January
2.	Yogendra Nayak	Neethu Susan Mathew, Albi Francis, Geetha Mathew	In vitro Antioxidant and Anticancer Activity of Avertroha bilimbi Fruit Extract	5 th International Conference on Medicinal and Herbal Products (ICMHP)	Manipal	25 - 27, January
3.	Nitesh Kumar	Neetinkumar Reddy, N Gopalan Kutty, N Udupa, C Mallikarjuna Rao	In Vivo hepatoprotection of silymarin liposomes against paracetamol induced hepatotoxicity in Wistar rats	5 th International Conference on Medicinal and Herbal Products (ICMHP)	Manipal	25 - 27, January
4.	Vasantharaju S G	N Gopalan Kutty, Jayesh Mudgal, Manohara Reddy	Synthesis and Preclinical Evaluation of Novel Thiazolidin-4-Ones against Insulin Resistance and Metabolic Disorder	National Seminar on advanced chromatographic techniques	JSS College of Pharmacy, JSS University, Mysore	1 - 2, February
5.	K Vijaya bhaskar	Dr Kamala K Vasu, Praveg Patel	Synthesis and Antioxidant Activity of Tetrahydrobenzo[b] Pyran and its Derivatives	6 th Ramanbhai Foundation Symposium	Zydus Research Centre, Ahmedabad	4 - 6, February
6.	Sreedhar D	Manthan J, Virendra Sl, Pradeep M and Udupa N	Investigation of Fiedler's Contingency Model in an Institution	2 nd International Marketing in Asia Pacific Issues and Challenges - ICIM 2013	Coimbatore	7 - 8, March
7.	Khan S	Kantamneni L, Bhatt B	Isolation and Characterization of Oligomeric Procyanidins Richpolyphenol Fraction of Cinnamomum Zelanicum Bark	International conference on Pharmacology and Pharmaceutical Technology	Chandigarh	24 March

			and it's In Vitro Antibiotic Studies			
8.	Kondongala Subraya Chandrashekar	Gupta Daksha, Girish Pai	Invitro Antidiabetic activity of Pentacyclic triterpenoids & fatty acid esters from Bauhinia purpurea	International conference on Pharmacology and Pharmaceutical Technology	Chandigarh	24, March
9.	Sudheer Moorkoth	Ashish Dubey	Development of a stability indicating RP-HPLC method for effaverinz compatible with LC-MS/MS	National Conference on Pharmaceutical Analysis 2013 (NCPA2013)	Dr Babasaheb Ambedkar Marathwada University, Aurangabad	18 - 19, September
10.	Mahalaxmi Rathnanand	Nagendra Prabhu B, M Sreenivasa Reddy	VajeeKarana Tantra: An insight into ancient Indian science of vajeeKarana and its importance in the current era	Symposium on Food as Medicine	Dept of Pharmacy Practice, MCOPS, Manipal	26 October
11.	Srinivas Mutalik	Rohit Kalra, Meka Sreenivasa Reddy, N Udupa and Harendra S Parekh	Enhancement in Transdermal Permeation of Ketoprofen across Human Skin: A combined approach of iontophoresis and dendrimers	6 th Bangalore India Nano Conference	Bangalore	4 - 6, December
12.	Aravinda Pai	Gautham Penugonda	Antioxidant and anticancer activity of novel chalcones derived from quinoline-2-one-4-carbaldehyde	50 th Annual Convention of Chemists Indian Chemical Society	Punjab University, Chandigarh	4 - 6, December
13.	Nandakumar K	Alkesh Patel, Ramalingayya G V, Anoop Kishore, Nayak PG, Mallikarjuna Rao C	Pharmacological evaluation of aqueous extract of solanum nigrum linn in oral mucositis	OMICS Group (International Conference & Exhibition on Traditional and Alternative Medicine)	Hyderabad	9 - 11, December
14.	Nandakumar K	Ganga Prasad, Neetinkumar Reddy, Albi Francis, Nitesh Kumar, Rekha R Shenoy	'Sambar' a South Indian Recipe For the Prevention of Colon Cancer	IPS 2013	Bangalore	15 - 17, December

(ii) Publications of Research Papers: 152**International Publications : 104**

Sl#	Authors	Title	Journal Name
1	Sonal Sekhar M, Navya Vyas Rajesh V, Suhaj A	Inhalant Abuse - A Rising Public Health Problem	International Journal of Medical Science and Public Health 2013, 2(1), 146-152
2	Ashish Kekare, Jagadish PC, Manthan Janodia, Krishnamurthy Bhat, Swathi Karande, N Udupa	Drug product registration and marketing authorization procedures in EU-A perspective	Marmara Pharmaceutical Journal 2013, 17: 1-6
3	Dhanya Sunil, Arun M Isloor, Prakash Shetty, Pawan G Nayak, KSR Pai	In vivo Anticancer and Histopathology Studies of Schiff Bases on Ehrlich ascitic carcinoma Cells	Arabian Journal of Chemistry 2013, 6, 25-33
4	Isha Dhamija, Nitesh Kumar, SN Manjula, Vipin Parihar, M Manjunath Setty, KSR Pai	Preliminary evaluation of in vitro cytotoxicity and in vivo antitumor activity of Premna herbacea Roxb in Ehrlich ascites carcinoma model and Dalton's lymphoma ascites model	Experimental & Toxicologic Pathology, 2013, 65, 235-242
5	Hitesh Jagani, Josyula Venkata Rao, Vasanth Raj Palanimuthu, Raghu Chandrashekar Hariharapura and Sagar Gang	A NANOFORMULATION OF siRNA AND ITS ROLE IN CANCER THERAPY: In vitro AND in vivo Evaluation	Cellular & Molecular Biology Letters 2013, 18, 120-136
6	Jesil Mathew Aranjani, Atulya Manuel, Chamallamudi Mallikarjuna Rao, Nayanabhirama Udupa, Josyula Venkata Rao, Ann Mary Joy, Prajay Gandhi and Ethiraj Kannat Radhakrishnan	Preliminary Evaluation of In Vitro Cytotoxicity and In Vivo Antitumor Activity of Xanthium Strumarium in Transplantable Tumors in Mice	The American Journal of Chinese Medicine, 2013, 41(1), 145-162
7	Sudheer Moorkoth, Srinivasan KK and Divyashree Bukka	Evaluation of Antimicrobial Activity of 4- Arylidene - 2- Phenyl oxazol - 5- one derivatives against selected skin microorganisms	Elixir Pharmacy, 2013, 54, 12315-12318
8	Arun M Isloor, Dhanya Sunil, Prakash Shetty, Shridhar Malladi, KSR Pai, Naseer Maliyakkal	Synthesis, Characterization, Anticancer, and antioxidant activity of some new thiazolidin-4-ones in MCF - 7 Cells	Medicinal Chemistry Research 2013, 22; 758 - 767
9	Aruna S Theerthahalli, Rekha R Shenoy, Pawan G Nayak, Jayesh Mudgal, Nitesh Kumar, Mallikarjuna C Rao and Gopalan N Kutty	High Carbohydrate Diet with 30% Sucrose Solution: An Optimized Rodent Model for Simulating Human Insulin Resistance	Pharmacologia, 2013, 4(3); 157-163

10	Raghu Hariharapura, Puttur Santhoshkumar, K Krishna Sharma	Profiling of Lens Protease Involved in Generation of A-66-80 Crystallin Peptide using an Internally Quenched Protease Substrate	Experimental Eye Research 2013, 109, 51-59
11	Sudheer Moorkoth, SG Vasantharaju and Shilpa Laggysetty	Indigence for Robust Pharmacovigilance in Biosimilars: A Review	Elixir Pharmacy, 2013, 56, 13460-13464
12	Jagadish PC, Parikshit S Chindhade, Krishnamurthy Bhat, Sudheer Moorkoth	Stability-Indicating HPTCL Method for the Estimation of Paliperidone in Bulk Drug	International Journal of Multidisciplinary Research, 2013, 1(12), 68-71
13	Sudheer Moorkoth, Ashish Dubey, Sunny Kumar, Jagadish PC	Development of A Stability Indicating RP-HPLC Method for the Assay of Efavirenz, Compatible with LC-MS/MS	International Journal of Multidisciplinary Research March 2013, Vol: 1, Issue 12(1), 108-112
14	K B Koteswara	Effect of Surfactant Tween 80 & Freeze Drying in Formulation of Pioglitazone Nanosuspension & its In Vivo Pharmacokinetic Evaluation	International Journal of Multidisciplinary Research (IJMR) 2013, Vol 1, Issue 12(1), 59-62
15	C S Shreedhara	Effect of Elicitors on the production of Hispidulin in the Suspension Culture of Millingtonia Hortensis	International Journal of Multidisciplinary Research 2013, Vol 1, Issue 12(1), 63-67
16	Pai GK, Krishna VT, Kumar L, Anup N, Naveen D, Reddy SM	Comparative Evaluation of Cephalosporin Injectable Product Manufactured by Generic and Innovator Company	International Journal for Pharmaceutical Research Scholars 2013, 2(1), 56-60
17	Girish Pai K, Vamshi Krishna T, Lalit Kumar, M Sreenivasa Reddy, G Shreenidhi, A Praneeth Reddy	Comparative Evaluation of the Physical Parameter of Uncoated Tablets of Amlodipine Besylate with different types of Primary Packaging Materials	Asian Journal of Pharmaceutical Research 2013, 3(1), 03-05
18	Jessy Elizabeth Mathew, Gubba Divya, S Dinakaran Vachala, Jesil A Mathew, Ramaiah Selladurai Jeyaprakash	Synthesis & Characterisation of Novel 2,4 - diphenyloxazole derivatives and Evaluation of their in vitro antioxidant and anticancer activity	Journal of Pharmacy Research 2013, 6; 210 - 213
19	Sharma Pushkar Raj, Lewis Shaila Angela	Stability of Marketed Albendazole Suspensions and Correlation between Zeta Potential and Sedimentation	International Journal of Multidisciplinary Research (IJMR) 2013, Vol 1(12(1), 85-87
20	Sreenivasa Reddy M, Basabareddy VK, Ranjan QP, Mutalik SS, Udupa N	Preparation and Optimization of Eudragit Nanoparticle of Valsartan	International Journal of Multidisciplinary Research 2013, 1, 12(1), 104-107
21	Prasanna R Deshpande, Mohd Kazim Sheriff, Abdul Nazir, Sudeepthi Bommareddy, Anil Tumkur, Anantha N Naik	Patient- reported quality of life outcomes in Indian breast cancer patients: Importance, review of the researchers, determinants and future directions	Journal of Cancer Research and Therapeutics January - March 2013, Vol 9(1), 11- 16

22	Nitesh Kumar, Jayesh Mudgal, Vipin K Parihar, Pawan G Nayak, N Gopalan Kutty, C Mallikarjuna Rao	Sesamol Treatment Reduces Plasma Cholesterol and Triacylglycerol Levels in Mouse Models of Acute and Chronic Hyperlipidemia	Lipids, 2013, 48(6); 633-638
23	Radhakrishnan Rajesh, Sudha Vidyasagar, Danturulu Muralidhar Varma, Anand Naik, Brahmavar Mohandas Hegde, Vasudeva Guddattu Asha Kamath	A Prospective Study of Highly Active Antiretroviral Therapy in Indian Human Immunodeficiency Virus Positive Patients	International Journal of Risk & Safety in Medicine 2013, 25; 53-65
24	Syed Sajjad Hussien, Premnath Shenoy, Udupa, Muddu Krishna	Development and Validation of Stability Indicating RP-HPLC method for Tenofovir Nanoparticle Formulation	International Journal of Pharmacy Pharmaceutical Sciences 2013, 5(2); 245-2487
25	Pawan G Nayak, Piya Paul, Punit Bansal, Nampurath Gopalan Kutty and Karkala Sreedhara Ranganath Pai	Sesamol prevents Doxorubicin-induced oxidative damage and toxicity on H9c2 cardiomyoblasts	Journal of Pharmacy and Pharmacology; 2013, 65, 1083-1093
26	Mahalaxmi Rathnanand, Rajkiran Narkhede, N Udupa and Atin Kalra	Development of Novel Floating Delivery System based on Psyllium: Application on Metformin Hydrochloride	Current Drug Delivery, 2013, 10, 336-342
27	Sahil Talwar, Hitesh V Jagani, Pawan G Nayak, Nitesh Kumar, Anoop Kishore, Punit Bansal, Rekha R Shenoy and Krishnadas Nandakumar	Toxicological Evaluation of Terminalia Paniculata Bark Extract and its Protective Effect Against CCl ₄ - Induced Liver Injury in Rodents	BMC Complementary & Alternative Medicine 2013, 13; 127
28	Radhakrishna Rajesh, Sudha Vidyasagar, Danturulu Muralidhar Varma, Anand Naik, Brahmavar Mohandas Hegde, Vasudev Guddattu, Asha Kamath	Pattern of Use of Highly Active Antiretroviral Therapy Regimens and Pattern of Occurrence of Adverse Drug Reactions in an Indian Human Immunodeficiency Virus Positive Patients	Clinical Research in HIV Aids and Prevention 2013, 1(3), 1-12
29	Titas Debnath, Rajesh Radhakrishnan, Murugananthan Gopal, Sahil Talwar and Nandakumar K	Hypoglycaemic Effects of Alcoholic Root Extract of Borassus Flabellifer (Linn) In Normal and Diabetic Rats	Pakistan Journal of Pharmaceutical Sciences 2013, Vol 26(4) 673-679
30	M Sonal Sekhar, MK Unnikrishnan, Gabriel Sunil Rodrigues, Chiranjay Mukhopadhyay	Synbiotic Formulation of Probiotic and Lactulose Combination for Hepatic Encephalopathy Treatment: A Realistic Hope?	Medical Hypotheses 2013, 81,167-168
31	Raymol Thomas Roy, M Sonal Sekhar, Gabriel Sunil Rodrigues, V Rajesh	Preparation and Readability Assessment of Patient information Leaflets for diabetic foot ulcers	Journal of Social Health and Diabetes Jul - Dec 2013, Vol 1 (2), 79- 81

32	Devang Khamar, Raviraj Devkar, Reshma KK, CS Shreedhara, M Manjunath Setty, Smitha Hegde	Enhanced Hispidulin Production In Vitro from Callus Culture of Millingtonia Hortensis L F	International Journal of Pharmacy and Biological Sciences 2013, Vol 3(2) 633-639
33	Phani Krishna Kondamudi, Hemalatha Kovelamudi, Geetha Mathew, Pawan G Nayak, C Mallikarjuna Rao, Rekha R Shenoy	Modulatory Effects of Sesamol in Dinitrochlorobenzene-Induced Inflammatory Bowel Disorder in Albino Rats	Pharmacological Reports 2013, 65, 658-665
34	Manisha Kandi, Gayathri Sivasai, Mahalaxmi Rathnanand, M Sreenivasa Reddy, K Vijaya Bhasker	Novel Intervention to Improve Adherence to Medication in Diabetic Patients: Formulation and Evaluation of Metformin HCL Novel Dosage Form	International Journal of Pharmacy and Pharmaceutical Sciences 2013, Vol 5 Suppl 3, 587-592
35	Lokesh P Nijhawan, Manthan D Janodia, BS Muddukrishna, KM Bhat, KL Bairy, N Udupa, Prashant B Musmade	Informed consent: Issues and Challenges	Journal of Advanced Pharmaceutical Technology & Research Jul - Sep 2013, Vol 4(3), 134-140
36	Mahathi Yelugam, Dr Koteswara KB, Sreenivasa Reddy M	Gastro - Retentive Microspheres of Carvedilol: Formulation, Characterisation and In Vitro Evaluation	International Journal of Pharmacy and Pharmaceutical Sciences 2013, 5(3), 686-690
37	Prateek Jain, Nitesh Kumar, Venkata Rao Josyula, Hitesh Vitthal Jagani, N Udupa, C Mallikarjuna Rao, Palanimuthu Vasanth Raj	A Study on the role of (+)-catechin in suppression of HepG2 proliferation via caspase dependent pathway and enhancement of its in vitro and in vivo cytotoxic potential through liposomal formulation	European Journal of Pharmaceutical Sciences August 2013, 50, 353-365
38	Shivani Choudhary, Suvarna G Kini and Muhammad Mubeen	Antioxidant Activity of Novel Coumarin Substituted benzothiazole Derivatives	Der Pharma Chemica, 2013, 5(4), 213-222
39	Manisha Kandi, Gayathri Sivasai, Mahalaxmi Rathnanand, M Sreenivasa Reddy, K	Formulation and Evaluation of Chewable Tablet of Metformin HCl using Stevia by Different Techniques	International Journal of PharmTech Research, 2013, 5(3), 1364-1372
40	Ashok Kumar Bagepalli Srinivasa, Lakshman Kuruba, Saleemulla Khan, Gopi Setty Saran	Antirolithiatic Activity of Gokhsuradi Churan, an Ayurvedic Formulation By In vitro Method	Advanced Pharmaceutical Bulletin, 2013, 3(2), 477-479
41	B S Ashok Kumar, Saleemulla Khan, Gopi Setty Saran, R Nandeesh & N K Manjunath	In Vitro Antidiabetic Activity of Nisamalaki Churna	Sains Malaysiana October 2013, 42(5), 625-628
42	Radhakrishnan Rajesh, Sudha Vidyasagar, Danturulu Muralidhar Varma, Vasudeva Guddattu and Ansar Hameed	Evaluating the Impact of Educational Interventions on Use of Highly Active Antiretroviral Therapy and Adherence Behavior in Indian Human Immunodeficiency Virus Positive Patients:	Journal of Aids & Clinical Research, 2013, 4(8), 1-9

		Prospective Randomized Controlled Study	
43	Alkesh Patel, S Rajesh, VM Chandrashekar, Shivprakash Rathnam, Karishma Shah, C Mallikarjuna Rao, K Nandakumar	A Rat Model Against Chemotherapy Plus Radiation - Induced Oral Mucositis	Saudi Pharmaceutical Journal, October 2013, 21, 399 - 403
44	Girish Pai K, Vamshi Krishna T, Shaila Lewis, Usha Sree M	Significance of Reconstitution Time and Other Physical Parameters for Evaluation of Dry Powder Injectables	International Journal of Pharmacy and Pharmaceutical Sciences 2013, Vol 5, Suppl 3, 612-614
45	Girish Pai K and Baldha Parinkumar Dhirajlal	Multiple Unit Particle System (MUPS): Novel technology for preparation of Extended Release (ER) tablets	Research Journal Pharm and Tech 2013, 6(8): 856-864
46	Girish Pai K, Vamshi Krishna T, Lalit Kumar, M Sreenivasa Reddy, Shreya Singh and Vibha V	Evaluation of few Marketed products of Salbutamol sulphate syrup IP	Asian J Res Pharm Sci 2013; Vol 3: Issue 3, 114-116
47	Vamshi Krishna T, Girish Pai K, Naveen D, Sreenivasa Reddy	Formulation and Evaluation of Fixed Dose Combination Products of Rifampicin and Isoniazid with Improved Rifampicin Stability	International Journal of Pharmacy and Pharmaceutical Sciences 2013, 5(3), 431-433
48	Vamshi Krishna T, Girish Pai K, Hemanth G, Damodaram A, M Sreenivasa Reddy	Study of Various Physical Parameters of Marketed Products of Paracetamol	Research J Pharma Dosage Forms and Tech 2013; 5(4), 227-231
49	Ginjudipalli Kishore, A Karthik, Shavi Venkat Gopal, Averineni Ranjith Kumar, Mahalingam Bhat & N Udupa	Development of RP-HPLC method for simultaneous estimation of lactic acid and glycolic acid	Der Pharma Chemica 2013, 5(4): 335-340
50	Mr Krishna BSM, Dr Vasantharaju, Mr Girish Pai K, Miss Spandana	A Validated Stability Indicating HPLC Method for Determination of Meropenem in active Pharmaceutical Ingredient and Sterile Pharmaceutical Dosage Form	International Journal of Multidisciplinary Research, 2013, Vol 2(6(3)),25-29
51	Maliyakkal N, Udupa N, Pai KSR, Rangarajan A	Cytotoxic and apoptotic activities of extracts of Withania somnifera and Tinospora cordifolia in human breast cancer cells	International Journal of Applied Research in Natural Products 2013, 6 (4), 1-10
52	Pallavi K Shetty, Neelam A Suthar, Jyothsna Menon, Praful B Deshpande, Kiran Avadhani, Raghavendra V Kulkarni & Srinivas Mutalik	Transdermal Delivery of Lercanidipine Hydrochloride: Effect of Chemical Enhancers and Ultrasound	Current Drug Delivery, 2013, 10, 427-434

53	Gupta Daksha, Kondongala Subraya Chandrashekar, Girish Pai	Invitro Antidiabetic Activity of Pentacyclic Triterpenoids and Fatty Acid Esters from Bauhinia Purpurea	International Journal of Pharmacology and Pharmaceutical Technology, 2013, 2 (1), 25-28
54	Mahantesh P Paruti, Vijaykumar V Alange, Srinivas Mutalik, Akram A Naikawadi and Raghavendra V Kulkarni	Formulation and Evaluation of Compression Coated tablets for controlled released of cefadroxil monohydrate	Research Journal of Pharmaceutical and Technology, April 2013, 6 (4), 356-359
55	Narayanachar, Shreedhar D Dhumwad, Srinivas Mutalik, Mallinath H Hugar and Praveen N Naik	Synthesis, spectral Characterization of Co (II) Ni (II), Cu (II) and Zn (II) complexes of Schiff bases derived from 3-formyl quinoline and 2, 6-diaminopyridine and their biological studies	Main Group Chemistry, Nov 2013, 12; 87-104
56	S Mutalik, H S Parekh, Y G Anissimov, J E Grice, M S Roberts	Iontophoresis - Mediated Transdermal Permeation of Peptide Dendrimers across Human Epidermis	Skin Pharmacology and Physiology November 2013, 26; 127-138
57	Santanu Saha, Subrahmanyam EVS, Chandrashekar Kodangala, Shubhash C Mandal, Shashidhara C Shastry	Evaluation of antinociceptive and anti-inflammatory activities of extract and fractions of Eugenia jambolana root bark and isolation of phytoconstituents	Brazilian Journal of Pharmacognosy Aug 2013, 23, 651-661
58	PC Jagadish, Neeraj Soni and Amita Verma	Design, Synthesis, and In Vitro Antioxidant Activity of 1,3,5-Trisubstituted-2-pyrazolines Derivatives	Journal of Chemistry, 2013, 01-06
59	Sudheer Moorkoth, Amrita Das, Jai Kumar Mishra, Sudeep M	Labeling of Food for Infants - A Mute Story of Solicitude	International Journal of Pharmacy and Pharmaceutical Sciences Oct 2013, Vol 5(4), 59-64
60	Sudheer Moorkoth, Alex Joseph, Srinivasan KK and Gopalan Kutty	Synthesis and Evaluation of Biological Activity of Imidazolidinone Analogues of 2-Aminochromone	International Journal of Pharmaceutical Bioscience and Technology, August 2013, Vol 1(3), 130-141
61	Meenakshi Sharma, Richard Lobo, M Manjunath Setty, Saleemulla Khan, Chandrashekhar KS, CS Sreedhara	Free Radical Scavenging Potential of Terminalia Tomentosa(Roxb)Bark- An In Vitro Study	World Journal of Pharmaceutical Research, Vol 2(6), 2373-2381,Nov 2013
62	Meenakshi Sharma, Richard Lobo, M Manjunath Setty, Saleemulla Khan, Chandrashekhar KS, CS Sreedhara	In-Vitro Anti-Diabetic Evaluation of Terminalia Tomentosa (Roxb) Bark	World Journal of Pharmaceutical Research, Nov 2013, Vol 2(6), 2366-2372

63	Gupta Nilesh, Richard Lobo, M Manjunath Setty, Saleemulla Khan and CS Sreedhara	Anthelmintic Activity of Alcoholic and Aqueous Extract of <i>Vateria Indica</i> Linn	Der Pharmacia Lettre, October 2013, 5(5); 216-218
64	Kafeel A Khan, Nitesh Kumar, Pawan G Nayak, Madhavan Nampoothiri, Rekha R Shenoy, Nandakumar Krishnadas, C Mallikarjuna Rao and Jayesh Mudgal	Impact of caffeic acid on aluminium chloride-induced dementia in rats	Journal of Pharmacy and Pharmacology, July 2013, 65, 1745-1752
65	Raghu Jetti, Raghuveer CV and Mallikarjuna Rao C	Protective effect of ascorbic acid and Ginkgo biloba against learning and memory deficits caused by fluoride	Toxicology and Industrial Health Sep 30, 2013, 1-5
66	PVR Chowdary, N Raveendran and Hina Ali	Rational Design and Synthesis of some Novel Substituted Acetamides Bearing 2- [3-Acetyl-(1H-Indol-1-yl)/5-Methoxy-1H-Indol-1-yl] Motifs and their Study for acetylcholinesterase inhibitory activity	International Journal of Research In Pharmacy and Chemistry, 2013, 3(4), 859-862
67	Akshaya Srikanth B, Akram Ahmad, Ravindra Reddy K, Rajesh Balkrishnan, Anantha Naik Nagappa	Acceptance of Doctor of Pharmacy in India: A Survey - based study	Archives of Pharmacy Practice, Jul - Sep 2013, Vol 4(3)
68	Prashant B Musmade, Anil Tumkur, M Trilok and K L Bairy	Fusidic Acid-Topical Antimicrobial in the Management of <i>Staphylococcus Aureus</i>	International Journal of Pharmacy & Pharmaceutical Sciences, Nov 2013, Vol 5(4)
69	Vamshi Krishna T, Lalit Kumar, M Sreenivasa Reddy, Muddukrishna BS, Girish Pai K	Market Complaints in Pharmaceuticals: A Brief Review on its Handling, Investigation and Reporting	Research Journal of Pharmaceutical Technology, Nov 2013, 6(11), 1314-1316
70	Sharad Kumar Suthar, Varun Jaiswal, Sandeep Lohan, Sumit Bansal, Anil Chaudhary, Amit Tiwari, Angel Treasa Alex, Alex Joeph	Novel quinolone substituted thiazolidin-4-ones as anti-inflammatory, anticancer agents: Design, Synthesis and biological screening	European Journal of Medicinal Chemistry, May 2013, 63, 589-602
71	Alex Joseph, Chaitanyakumar S Shah, Suthar Sharad Kumar, Angel Treasa Alex, Naseer Maliyakkal, Sudheer Moorkoth, Jessy E Mathew	Synthesis, in vitro anticancer and antioxidant activity of thiadiazole substituted thiazolidin - 4- ones	Acta Pharmaceutica, 2013, 63, 397-408
72	Chandrashekar K Subraya, Satyanarayana D and Yamini	Isolation & Characterization of steroids and a triterpenoid from <i>Phyllanthus lawii</i>	Der Pharma Chemica, 2013, 5(5), 63-67

73	Chandrashekar K Subraya, Satyanadayana D	Evaluation of Antiinflammatory Activity of Petroleum Ether Extract from <i>Leucaslavandulaefolia</i> Rees in Albino Rats	American Journal of Phytomedicine and Clinical Therapeutics, 2013, 1(7), 562-566
74	Sudheer Moorkoth, KK Srinivasan, N Gopalan Kutty, Alex Joseph, M Naseer	Synthesis and evaluation of a series of novel imidazolidinone analogue of 6-aminoflavone as anticancer and anti-inflammatory agents	Med Chem Res, (2013) 22, 5066-5075
75	Sahil Talwar, Pawan G Nayak, Jayesh Mudgal, Piya Paul, Punit Bansal and Krishnadas Nandakumar	Evaluation of In Vitro Antioxidant and In Vivo Analgesic Potential of <i>Terminalia paniculata</i> Aqueous Bark Extract	Journal of Medicinal Food 2013, 16(12), 1153-1161
76	Dasari Naga Naresh, Usha Yogendra Nayak, Om Prakash Ranjan	Preparation & characterization of Nelfinavir Mesylate nanocrystals by ball milling	International Journal of Research in Pharmaceutical Sciences 2013, 4(4), 586-592
77	Usha Y Nayak, Srinivas Mutalik, Yogendra Nayak	Polymethacrylate Coated Valsartan Tablets for Ileo-Colonic Delivery: Formulation Development and In Vitro and In Vivo Evaluations	Research J Pharm And Tech 2013, 6(12), 1362-1369
78	Vijaya Kumar S, Dharendra B Sanghai, Mallikarjuna Rao C, Shreedhara CS	Antioxidant and anti-hyperlipidemic activity of <i>Melia azedarach</i> Linn Extracts in rats	Research J Pharm And Tech 2013, 6(11), 1195-1199
79	Sumit N Laxane, Surendra Swarnkar, Mruthunjaya K, Sachin B Zanwar and Manjunath Setty M	<i>Jatropha curcas</i> : A Systemic Review on Pharmacological, Phytochemical, Toxicological Profiles and Commercial Applications	Research Journal of Pharmaceutical, Biological and Chemical Sciences 2013, 4(1), 989-1009
80	Smrithi, K Narayanan, Venkatesh Kamath B	Design of Cultural Conditions for Enhancement of Alkaline Protease Production	Pharmanest- An International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1438-1446
81	Smrithi S, K Narayanan, J Venkata Rao, Venkatesh Kamath B	Bioprospecting of Microbes Producing Commercially Useful Products	Pharmanest - An International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1419-1426
82	KR Ethiraj, P Nithya, V Krishnakumar, A Jesil Mathew, F Nawaz Khan	Synthesis and cytotoxicity study of pyrazoline derivatives of methoxy substituted naphthyl chalone	Research Chemical Intermediated 2013, 39, 1833-1841
83	Geetha Mathew, Anija Jacob, Ega Durgashivaprasad, ND Reddy, MK Unnikrishnan	6b,11b-Dihydroxy-6b,11b-dihydro-7H-indeno [1,2-b]naphtha [2,1-d] furan-7-one (DHFO), a small molecule targeting NF-kB, demonstrates therapeutic potential in	International Immuno pharmacology 2013, 15, 182-189

		immunopathogenic chronic inflammatory conditions	
84	Sudheer Moorkoth, Sunny Kumar, Aravind Pai, Venkatesh Kamath B	Stability Indicating Analytical Method Development and Validation of Lafutidine in Tablet Dosage Form by RP-HPLC	Mintage Journal of Pharmaceutical & Medical Sciences 2013, 2, 18-21
85	Deepthi V, Sudheer Moorkoth	Regulation of Cosmetics and its Advertisements in India with an overview of us regulations	Pharmanest An International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1661-1674
86	Sudheer Moorkoth and Naseer M	Evaluation of Anti-Cancer Properties of Heartwood of <i>caesalpinia sappan</i>	Mintage Journal of Pharmaceutical & Medical Sciences 2013, 2, 22-25
87	Saraswathi Deepthi, Sudeer M, Sudheer Moorkoth	current scenario and regulatory framework of paediatric drugs in the united states (us) and europe with a brief perspective to india	PHARMANEST an International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1675-1686
88	M Manjunath Setty, Gupta Nilesh, Richard Lobo, Saleemulla Khan and CS Sreedhara	Anthelmintic Activity of Alcoholic and Aqueous Extract of <i>Anisochilus carnosus</i>	Research Journal of Pharmaceutical, Biological and Chemical Sciences 2013, 4(4), 1666-1670
89	Koteshwara KB, Naha Anup, Sunil P, Sai Kiran	Method Development and Validation of Glibenclamide in Tablet Dosage form by Using RP-HPLC	Journal of Harmonized Research 2013, 2(4), 226-230
90	Anand Reddy, Suvarna G Kini and Muhammad Mubeen	Synthesis and Biological evaluation of Novel Triazolothiadiazole derivates	Der Pharma Chemica 2013, 5(6), 259-272
91	Vamshi Krishna T, M Sreenivasa Reddy	Formulation and Evaluation of Fixed Dose Combination Tablets of Rifampicin and Isoniazid with Improved Rifampicin Stability	Research Journal Pharmaceutical & Technology 2013, 6(12) 1468-1470
92	Shilpi Kumari, Akhil Koundinya, Manthan D Janodia, Amita R Vats, Sureshwar Pandeym Sandeep Maharaj and N Udupa	Trends in Development of Orphan Drugs - A Review	Open Access Scientific Reports 2013, 2(II)
93	Murali Munisamy, Manjari Tripathi, Madhuri Behari, S Raghavan, DC Jain, Barghavi Ramanujam, Karthik Arumugam, Thiyagu Rajakannan, Surulivel Rajan Mallayasamy, Vivekanandhan Subbiah	The Effect of Uridine Diphosphate Glucuronosyltransferase (UGT)1A6 Genetic Polymorphism on Valproic Acid Pharmacokinetics in India Patients with Epilepsy: A Pharmacogenetic Approach	Mol Diagn Ther 2013, 15, 319-326
94	Surulivelrajan Mallaysamy, Martin G Johnson, Padma GM Rao, Thiyagu	Population Pharmacokinetics of lamotrigine in Indian epileptic patients	Eur J Clin Pharmacol, 2013, 69; 43-52

	Rajakannan, Lokesh Bathala, Karthik Arumugam, Johan GC, van Hasselt, Devarakonda Ramakrishna		
95	KR Ethiraj, Jesil Mathew Aranjani, F Nawaz Khan	Potential cytotoxic and apoptosis inducing agents: synthesis and evaluation of methoxy - substituted chalcones against human lung and cervical cancers	Medicinal Chemistry Research 2013, 22, 5408-5417
96	Vinayanarayana K, Rau NR, Anantha Naik N, Bini John P, Rajesh V, Sreedharan, Thiyagu R	Hospital acquired pneumonia: a multivariate analysis of risk and outcome	Asian Journal of Pharmaceutical and Health Sciences Oct - Dec 2013, Vol 3(4), 743-746
97	Vaishnavi Naik, Varsha A Prabhu, Rajesh V, Surulivel Rajan M, Shastry BA, Saravu Kavitha	Ethambutol Induced Exfoliative Dermatitis	Asian Journal of Pharmaceutical and Health Sciences Jul - Sep 2013, 3(3), 741-742
98	Rajesh V, Surulivel Rajan M, Vijayanarayana K, Lakshmi Sravanthi, Pranitha M, Gabriel Rodrigues, Anand Rao BH, Thiyagu R	Development of trigger tool for identifying adverse events in surgery: Experience of a pilot study	Asian Journal of Pharmaceutical and Health Sciences Jul - Sep 2013, 3(3), 791-799
99	Girish Thunga, Sureshwar Pandey, Sreedharan Nair, Rama Mylapuri, Sudha Vidyasagar, Vijayanarayana Kunhikatta, Bhругu Pariti, Masoom Priyadarshini	Comparative Study of Continuous Pralidoxime Infusion versus Intermittent Dosing: Application of High-Performance Liquid Chromatography Method on Serum of Organophosphate Poisoned Patients	Asia Pacific Journal of Medical Toxicology, Sept 2013 Vol 2 (3), 105-110
100	Leelavathi D Acharya, N R Rau and N Udupa, Jean John and Surulivelrajan Mallayasamy	Study of prescription pattern of antihypertensive medications in Type - 2 Diabetic Patients	International Journal of Pharmaceutical Research, 2013
101	Srinivasa Rao Sirasanagandla, K Sreedhara Ranganath Pai, Kumar MR Bhat	Preventive Role of Emblica Offcinalis and Cissus Quadrangularis on Bone Loss in Osteoporosis	International Journal of Pharmacy and Pharmaceutical Sciences 2013, Vol 5(4), 122-127,
102	Surulivelrajan M, Mathew Joy, Suhaj A, Rajesh V, Mohan K Manu	Study to Assess the Utility of Close test in Readability Assessment of Patient Information Leaflets in English and Indian Languages	Asian Journal of Pharmaceutical and Health Sciences Oct - Dec 2013, Vol 3(4), 824-829
103	Satyajit Patra, Roshan Mascarenhas, Naseer Maliyakkal and Jesil Mathew Aranjani	Protocatechualdehyde Induces Apoptosis in Human Non-Small Cell Lung Cancer Cells by up Regulation of Growth Arrest and DNA Damage- Inducible (GADD) Genes	Molecular Biology 2013, 2(2), 1-9

104	Kannatt Radhakrishnan Ethiraj, Jesil Mathew Aranjani and Fazlur - Rahman Nawaz Khan	Synthesis of Methoxy - substituted Chalcones and in vitro Evaluation of their Anticancer Potential	Chemical Biology Drug Design 2013, 82, 732-742
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National Publications : 48

Sl #	Author	Title	Journal Name
1.	Sudheer Moorkoth, Yogesh Gujar, Divyasree Bukka	Can India Repeat the Success of Generics in US (United States) Biosimilar Market? An Analysis of Current FDA's Stand on Biosimilars	Pharma Times, January 2013, 45(1) 27-31
2.	Ranjan Shetty K, Anil Tumkur, Krishnamurthy Bhat, Biby Chacko	An Unusual Cause of Cardiac Arrest in a Hospitalization Patient	Journal of Pharmacology and Pharmacotherapeutics, Jan - March 2013, 4(1), 72-73
3.	D Sreedhar, Virendra SL, Muragundi PM, Manthan J & N Udupa	Perception of General Public about complementary and Alternative Medicine: A Qualitative Research	The Pharma Review Jan - Feb 2013, 11(65), 48-50
4.	Usha Yogendra Nayak, Gopal V Shavi, Srinivas Mutalik, Nayanabhiraama Udupa	Formulation and Evaluation of Multiparticulate Drug Delivery System of Valsartan	Research Journal of Pharmacy Technology, Jan 2013, 6(1); 96-104
5.	Manthan D Janodia, D Sreedhar, Virendra Ligade, Pradeep Muragundi & N Udupa	Patents and Access to Affordable Medicines - Striking a Balance	The Pharma Review, March - April 2013, 50-51
6.	Anantha Naik Nagappa, Asim Priyendu, Uday Venkat Mateti, Swapna S & Vaishnavi Naik	Impact of Compulsory Licensing on Indian Generic Drug Industry	The Pharma Review, March - April 2013, 61-63
7.	Leelavathi D Acharya, N R Rau and N Udupa	Impact of Hypertension and Dyslipidemia in Diabetic Patients	Indian Journal of Hospital Pharmacy May- June 2013, 50(3), 65-68
8.	Virendra S Ligade, D Sreedhar, J Manthan, M Pradeep and N Udupa	Nutraceuticals, Cosmeceuticals and Nutricosmetics: New Era of Health and Beauty	Indian Journal of Hospital Pharmacy May- June 2013, 50(3),69-70
9.	K Narayanan, Nagesh Chopade, P Vasanth Raj, V M Subrahmanyam & J Venkata Rao	Fungal Chitinase Production and its Application in biowaste management	Journal of Scientific & Industrial Research, , June 2013, Vol 72, 393-399
10.	Dhanya Sunil, Arun M Isloor, Prakash Shetty and Pai KSR	Toxicity Studies of Triazolo - Thiadiazoles in Ehrlich Ascitic Carcinoma Cells	Research Journal of Pharmaceutical Sciences July 2013, Vol 2(6); 1-6
11.	Sumit Kumar Jain, SG Vasantharaju, Raghavendra Shetty, Naresh Bejugam, Syed Sajjad Hussien and Krishnamurthy Bhat	Determination of Lamotrigine and Felbamate in Pediatric Plasma Samples by Reverse Phase High- Performance Liquid Chromatography	Indian Journal of Pharmaceutical Education and Research April- June 2013, 47(2), 160-167
12.	PVR Chowdhary, N	Rational Design and Synthesis of	Advanced Research in

	Raveendran and KC Mehta	some Substituted Aminoethanones and Acetamides as Novel Acetyl Cholinesterase Inhibitors	Pharmaceuticals and Biologicals April - June 2013, 3(II), 400-402
13.	Manthan D Janodia, Sreedhar Dharmagadda, Virendra Ligade, Pradeep Muragundi, Prashant Musmade, N Udupa	Spurt of Scientific Journal Publishing in India - Business or Knowledge Sharing?	Current Sciences, Vol August 2013, 105(4), 433-434
14.	Manthan D Janodia, Sreedhar D, Virendra S Ligade, Pradeep Muragundi, N Udupa	Treading a Careful Path to Strike Balance between Innovation and Affordable Medicines in India	Indian Journal of Hospital Pharmacy, August 2013, 50, 91
15.	Kavitha Saravu, Sonal Sekhar, Ananth Pai, Ananthakrishna Shastry Barkur, V Rajesh, Jagadeswara Rao Earla	Paraquat - A Deadly Poison: Report of a Case and Review	Indian Journal of Critical Care Medicine, May - June 2013, 17(3)
16.	Prasanna RD, Ahsan FKK, Sudeepthi BL, Kasim S, Sonal SM, Manohar B, Ravindra AP	Assessment of Medicine Information Provided on Demand by Clinical Pharmacists in Nephrology Wards in a Tertiary Care Hospital	Indian Journal of Pharmacy Practice Apr - June 2013, 6(2)
17.	Kranti M, Virendra SL Prashant M, Reddy MS, Udupa N	Sunscreen Regulation: An Overview	The Pharma Review, August 2013, 140 - 145
18.	Inder K Makhija, Chandrashekara S Shreedhara, HN Aswatha Ram	Mast cell stabilization potential of Sitopaladi churna: An Ayurvedic formulation	Pharmacognosy Research, October - December 2013, 5(4), 306 - 308
19.	Sreedhar D, Manthan J, Virendra L, Pradeep M and Udupa N	Need for the Introduction of Pharmacoeconomics in Pharmacy Curriculum	Pharma Times, October 2013, Vol 45(10), 27
20.	John Preshanth Kumar, Manjunath Hande, Muralidhar Varma, Chiranjay Mukhyopadhyay, Surulivelrajan Mallayasamy	Clinical Pharmacist's ward round Experiences of Antimicrobial Utilization: Need for a Sustainable Stewardship Program for a University Tertiary Care Hospital	International Journal of Pharma Research, May 2013, 4, 37-44
21.	Virendra SL, Sreedhar D, Manthan, Pradeep M & Udupa N	Biosimilars: A Brief Overview	The Pharma Review, Sep - Oct 2013, 41-43,
22.	Shalini Sasidharan, Sonal Sekhar M, Suhaj A, Rajesh V, Siby Joseph, Suja Abraham	A Study on Prescription Pattern and Adverse Effects of Migraine Medication	Indian Journal of Hospital Pharmacy, 2013, 50
23.	Narayanan K, Chopade ND, Subrahmanyam VM and Venkata Rao J	Strain Improvement of a Fungus Producing Chitinase by a Chemical Mutagen	Indian Drugs, November 2013, 50(1), 25-28
24.	Varadraj Bhatt, Rimjhim Kumari and Ruchi Verma	Analysis of Various Tea Samples	International Journal of Phytopharmacy, May - Jun 2013, Vol 3(3), 68-71
25.	Verma Ruchi, Kumar Lalit and Kurba Vijaya Bhaskar	Isoniazid - a wonder drug in tuberculosis management	Novel Science International Journal of Pharmaceutical Science (2013), 2(3-4):73-77

26.	Verma Ruchi, Kumar Lalit, KurbaVijaya Bhaskar and Sudhakar G K	An overview on tea	International Journal of Pharmacological Research 2013, Vol 3, No 3, 36- 41
27.	Ruchi Verma, Lalit Kumar and Vijay Bhaskar Kurba	Tobacco consumption and awareness of their health hazards amongst remote village area in Uttar Pradesh	International Journal of Biomedical Research 2013, 04(10), 567-570
28.	L Kumar, MS Reddy, RK Shirodkar, GK Pai, VT Krishna and R Verma	Preparation and Characterisation of Fluconazole Vaginal Films for the Treatment of Vaginal Candidiasis	Indian Journal of Pharmaceutical Sciences, 75(5), September - October 2013, 585-590
29.	Prashant B Musmade, Manthan D Janodia, Swapnil J Dengale, P Chandra Sekhar, Virendra S Ligade & N Udupa	USFDA Warning Letter: A Primer	The Pharma Review, Nov - Dec 2013, 82 - 84
30.	Vaghasiya D Bhavesh, Yogendra Nayak, Jayashree BS	In Vitro Antioxidant and Antiglycation Activity of Zingiber zerumbet(Wild Zinger) Rhizome Extract	International Journal of Research in Pharmaceutical Sciences, 2013, 4(4), 482-489
31.	GK Sudhakar, Vasudev Pai, Arvind Pai	An overview on current Strategies in Breast Cancer Therapy	Research Journal of Pharmacology and Pharmacodynamics: 2013, 5(6), 353-355
32.	GK Sudhakar, Venkatesh Kamath B, Aravind Pai	Therapeutic Approach in the Treatment of Obesity	Mintage Journal of Pharmaceutical & Medical Sciences 2013, 2, 4-6
33.	GK Sudhakar, Vasudev Pai, Arvind Pai, Venkatesh Kamath	Therapeutic Approaches in the Management of Plantar Warts by Human Papillomaviruses: A review	Asian Journal of Biomedical and Pharmaceutical Sciences 2013, 3(26) 1-4
34.	GK Sudhakar, Aravinda Pai, Venkatesh Kamath, Vasudev Pai	History Of Aspirin In Allopathy	International Journal of Innovative Research & Studies 2013, 02(10), 244 - 249
35.	GK Sudhakar, Venkatesh Kamath B, Aravind Pai, Vasudev Pai	Chelation Therapy	Pharmanest - An International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1458-1463
36.	GK Sudhakar, Aravinda Pai, Richard Lobo, Venkatesh Kamath	Natural Products as Effective Free Radical Scavengers	Mintage Journal of Pharmaceutical & Medical Sciences 2013, 2(1), 01-03
37.	GK Sudhakar, Venkatesh Kamath B, Aravind Pai	Breathing Trouble - Asthma	Pharmanest-An International Journal of Advance Pharmaceutical Sciences 2013, 4(6), 1294-1298
38.	GK Sudhakar, Aravinda Pai, Venkatesh Kamath B	ABC OF SLEEPING DISORDER	PHARMANEST - An International Journal of Advances in Pharmaceutical Sciences 2013, 4(6), 1282-1289

39.	Usha Yogendra Nayak, Gopal Venkatesh Shavi	Timed Release of Valsartan from Programmable Release Capsules: Importance of Plasticizers	Indian Journal of Pharmaceutical and Biological Research (IJPBP) 2013, 1(4), 102-107
40.	Piya Paul Mudgal and M K Unnikrishnan	Research and Publication Ethics	SRGUHS J Pharmaceutical Sciences 2013, 3(1), 06-13
41.	Muragundi PM, Anantha Naik N, Sreedhar D, Virendra SL, N Udupa	Essentials of Pharmacoeconomics	Indian Journal of Hospital Pharmacy 2013, 50, 143-146
42.	K Vijayabhaskar, Kamala K Vasu and Praveg Patel	Synthesis and Antioxidant Activity of Tetrahydrobenzo[b] Pyran and its Derivatives	Indian Journal of Heterocyclic Chemistry 2013, 23, 47-50
43.	Sukrit Nigam, JV Rao and B S Jayashree	Microbial biotransformation - A Novel approach for modification on coumarin substrates	Indian Journal of Biotechnology 2013, 12, 379-385
44.	Medikonduri Usha Sree, Lewis Shaila & Anantha Naik N	Applications of Thiolated Chitosans in Drug Delivery	The Pharma Review 2013, 65-71
45.	Shirish Inamdar, Girish Thunga, Dr Raviraja Acharya, Vijaynarayana K, Shridharan N, Bhругu P	Study of Clinical Characteristics and Treatment Pattern of Scrub Typhus in Tertiary Care Hospital	Journal of Pharmaceutical Sciences and Research 2013, 5(5), 107-110
46.	Varsha A Prabhu, Sahiti Doddapaneni, Girish Thunga, Rajakannan Thiyagu, M Mukyaprana Prabhu, Kushal Naha	Phenytoin induced Stevens - Johnson syndrome exacerbated by cefepime	Journal of Pharmacology and Pharmacotherapeutics, Oct - Dec 2013, Vol 4(4), 291-293

(iii) Grants secured :

(a) Research Grants : 1.41 crores

Sl No	Project Name	Principal Investigator	Funding Agencies	Grants Sanctioned (INR)	Grants Received (INR)
1	Muticentric study on pharmacogetics IPC Annual Commemoration Symposium	Dr N Udupa	ICMR , NewDelhi	Rs.7.92 lakh	Rs. 3.96 lakhs
2	Development of new chemical entities for metabolic disorders and tropical diseases - funded by DST- FIST, New Delh	Faculty of Pharm Chemistry, Pharmacology, Pharm Quality Assurance & Pharmacy Practice	DST- FIST, New Delhi	Rs.62.50 lakh	Rs. 62.50 lakh
3	Acute and Chronic toxicity studies of CPL/ IB0413, a finished product of Cholayil Pvt Ltd	Dr C Mallikarjuna Rao	Cholayil Pvt Ltd, Chennai	Rs.3.83 lakh	Rs. 0.97 lakh
4	Study the anti-cancer effect of indigenous medicinal plants bearing sesquiterpene lactones in human epithelial cancer stem cells	Dr N Udupa	Dept of Biotchnology, New Delhi	Rs. 13.39 lakhs	Rs. 2.77 lakhs

5	Marrow derived Stem Cell conditioned media based Anti-wrinkle serum	Dr N Udupa	Stempeutics Research Pvt Ltd, Manipal	Rs 2.00 lakhs	Rs. 1.80 lakhs
6	Entrepreneurship Development Cell	MCOPS	AICTE, New Delhi	Rs.6.00 lakhs	Rs. 4.50 lakhs
7	Preparation and Characterization of water soluble Nanoparticles using supercritical fluid technology	Dr Sreenivas Reddy	AICTE, New Delhi	Rs 17.00 lakhs	Rs.0.57 lakhs
8	Evaluation of Glycosmis Pentapylla Dc for Histone Deacetylase Inhibition	Dr C Mallikarjuna Rao	AICTE, New Delhi	Rs.11.50 lakhs	Rs.10.50 lakhs
9	Design and Synthesis of Novel Flavopiridol Analogues as useful Anticancer Agents	Dr Jayashree B S	AICTE, New Delhi	Rs 5.20 lakhs	Rs. 4.80 lakhs
10	Isolation & Characterization of Phytoconstituents from Macrosolin paraciticus Danser and evaluation of their in vitro cytotoxicactivity on various cancer cell lines	Dr Richard Lobo	SERB, New Delhi	Rs.18.50 Lakhs	Rs. 5.00 lakhs
11	Acute and Chronic Toxicity Study of CPL/IBO413	Dr Nandakumar	Cholayil Pvt Ltd	Rs.1.07 lakhs	Rs. 1.07 lakhs
12	Evaluation of test formulations EB-CJ-01/02 on mineralization/ calcium deposition in human osteoblast cell lines	Dr Nandakumar	Enovate Pvt Ltd	Rs.1.50 lakhs	Rs. 0.75 lakhs
13	Development & Evaluation of Liposomal Carrier Systems of Hepato- protective Agents to Target the Liver	Dr C Mallikarjuna Rao	AICTE, New Delhi	Rs.13.00 lakhs	Rs. 10.40 lakhs
14	Preclinical Evaluation of E-ER-01/02/03 for Anxiolytic and antifatigue activity Anticancer Agents	Dr Nanda Kumar	Enovate Biolife Ltd, Mumbai	Rs .0.36 lakhs	Rs. 0.36 lakhs
15	Development of novel quercetin analogues intended for selective HDAC-8 inhibition as beneficial anti cancer agents	Dr C Mallikarjuna Rao	SERB, New Delhi	Rs.22.18 lakhs	Rs. 18.00 lakhs
16	Novel non ulcerogenic small molecules chemical synthesis and biological efficacy in chronic inflammatory disorders	Dr M K Unnikrishnan	SERB, New Delhi	Rs .18.80 lakhs	Rs. 6.00 lakhs
17	Chloroquine(CQ)	Pharma Quality Dept	ICMR, New Delhi	Rs.1.50 lakhs	Rs.1.50 lakhs
18	Career Award for Young	Mr Lalith Kumar	AICTE,	Rs.1.50 lakhs	Rs. 0.50 lakhs

	Teachers		New Delhi		
19	Evaluation of test formulations E-B-CJ-01/ EB-CJ-02 on mineralization in human osteoblast cell lines & Evaluation of test formulations on mineralization/ calcium deposition in human osteoblast cell lines	Dr C Malikarjuna Rao & Dr K Nandakumar	Enovate Biolife Pvt. Ltd	262,929.00	Rs. 75,462
20	Preparation and evaluation of nano particulate sunscreens containing plant based polyphenols	Dr Srinvas Mutalik	Government of India, Ministry of Science & Technology, Department of Biotechnology	2,417,000.00	Rs. 3.99 lakhs
				2,34,77,929.00	1,40,92,462.00

(b) Seminar/Workshop Grants : Rs. 8.35 lakhs

(c) Travel Grants : Rs. 2.07 lakhs

Sr No	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)
1	Duphat-2013, Dubai (March 2013)	Hitesh Jagani	DBT (Not Aailed) & Manipal University	Rs 25,000/-
2	Duphat-2013, Dubai (March 2013)	Atulya M	DST and DBT (Not Aailed)	Rs 23,229/-
3	AAPS National Biotechnology conference, San Diego, California, USA (May 2013)	Prateek Jain	DST, DBT, CSIR (Not Aailed)	
4	73 rd FIP World Congress, Dublin, Ireland (September 2013)	Prateek Jain	DBT and CSIR (Not Aailed)	Rs 1,28,000/-
5	3 rd World Conference on Cancer Science and Therapy, Double Tree by Hilton, San Francisco, California, USA (October 2013)	Prateek Jain	Dr N Udupa Travel Grant	Rs 3,000/-
6	AAPS Annual Meeting and Exposition, San Antonio, Texas, USA (November 2013)	Prateek Jain	Indian Council of Medical Research (ICMR)	Rs 1,00,000/-
7	Nanotoday2013, Singapore (December 2013)	Narayanan K	Manipal University	Rs 25,000/-
8	Nanotoday2013, Singapore (December 2013)	Hitesh Jagani	DST, New Delhi	Rs 49,000/-

9	Screening of milk samples for isolation of cholesterol oxidase producing tacobacillus species	Aditya Kiran G	VGST - Spice	Rs 30,000/-
				Rs 3,83,229/-

(d) Fellowship Grant : Rs. 11.00 lakhs

Dr Manthan D Janodia, Department of Pharmacy Management has received a fellowship grant of Rs 11 lakhs to visit USA under **300 Roman Fellows for Post Doctoral Studies in USA** under Indo-US 21st Century Knowledge initiative for a period of one year from August 2013.

4. Faculty deputed for Training/Workshop : Total Training/Workshops - 11

International Training/Workshop : 1

Names of the Faculty	Details of Training/workshop
Dr Rajesh V Mr Sonal Sekhar M Mr Suhaj A	International Pharmaceutical Federation (FIP)' sponsored Pharmabridge Workshop/ Training held at the Children's Hospital of Eastern Ontario in Ottawa, Canada during the period April 29 to May 24, 2013

National Training/Workshop : 10

Names of the Faculty	Details of Training/workshop
Dr Richard Lobo Dr Jayesh Mudgal Dr Nitesh Kumar Dr Yogendra Nayak	5 th International Symposium on Medicinal and Herbal Products (ICMHP) held in Manipal during January 25-27, 2013
Dr B S Jayashree Dr S D Vachala	Workshop in ESR Spectroscopy held at IIT Mumbai during February 4-6, 2013
Dr D Sreedhar	'UKIREI Pre Bid Workshop' held at Hyderabad on 5 th April, 2013
Mr R S Jeyaprakash	ICMR sponsored Workshop on 'Medicinal Plants & Mental Health' held at NGSIM Institute of Pharmaceutical Sciences, Mangalore on September 6, 2013
Mr Kanav Khera	'1 st International Symposium and Workshop on Spectral Imaging: Applications in Basic Sciences and Biomedical Research' held at Ludhiana, Punjab during October 18 - 20, 2013
Dr Nandakumar K	ICMR sponsored '14 th INDO-US Flow Cytometry Workshop' held at Sri Rama Chandra Medical University, Chennai during October 28 - 30, 2013
Mr Pradeep M Dr M Sreenivas Reddy Dr C Mallikarjuna Rao Dr Sreedhara R Pai K Dr Jayesh Mudgal Dr Nitesh Kumar	Manipal Cardiology update 2013 held in MIT, Manipal on November 1 st , 2013
Dr K Vijaya Bhasker	Summer Research Fellowship Programme offered by the Indian Academy of Sciences, Bangalore during June 1 st to July 31 st , 2013

Dr Suvarna G Kini	'UCSC Genome Browser and Human Genome Bioinformatics Workshop' held in KMC, Manipal during November 16 - 17, 2013
Dr Usha Y Nayak Yogendra Nayak	Workshop on 'Research Process and Scientific Writing' held at Bangalore during December 14 - 15, 2013

5. Faculty represented MCOPS in International/National Conferences : 49

International Conference: 27

Names of the Faculty	Details of Conference
Dr M Sreenivasa Reddy Dr K B Koreshwara Dr Shaila Angela Lewis Mr P V R Chowdary Dr C S Shreedhar Dr Yogendra Nayak Dr Nitesh Kumar Mr Madhavan Nampoothiri G Dr Anoop Kishore Dr Jagadish P C	International Research Conference held at Bangkok, Thailand during March 5 - 6, 2013
Dr Anup Naha Mr R S Jeyaprakash Dr S D Vachala Mr Aravind Pai Dr M Manjunath Setty Dr H N Aswath Ram Mr Vasudev R Pai Dr C Mallikarjuna Rao Dr N Gopalan Kutty Dr Sreedhara R Pai K Dr M K Unnikrishnan Dr Rajesh R Mr Kanav Khera Mr Syed Sajjad Hussien Mr Muddukrishna B S Mr Swapnil J Dengale Dr J Venkata Rao Dr Jesil Mathew Dr N Sivagurunathan	'DUPHAT 2013' held at Dubai International Convention & Exhibition Centre, Dubai during March 10-12, 2013
Dr Manthan D Janodia	International Conference on Management - ICM 2013 held at Kuala Lumpur, Malaysia during March 30 - 31, 2013
Dr N Udupa	ISPOR 18 th Annual International Meeting held at New Orleans, LA USA during May 18 - 22, 2013
Dr Rajesh R	26 th International Conference on Antiviral Research held at San Francisco, California, USA during May 11 - 15, 2013
Dr Alex Joseph Mrs Angela Treasa Alex	Drug Discovery and Therapy World Congress 2013 held at John B Hynes Veterans Memorial Convention Center, Boston, USA during June 3 - 6, 2013
Dr Suvarna G Kini	CHI's (Cambridge Healthtec Institute) Structure Based Drug Design Conference held at Hotel Revere, Boston, USA during June 19 - 21, 2013

Dr C S Shreedhar Dr J Venkata Rao	2 nd International Society of Biotechnology Conference (IBST-2013) to be held at Antwerp, Belgium during July 8 - 10, 2013
Dr B S Jayashree	6 th International Congress of Chemistry & Environment (ICCE-2013) held at Antwerp, Belgium during July 8-10, 2013
Dr Prashant B Musmade	NanoFormulation2013 Conference held at Manchester, UK during June 19 - 21, 2013
Dr N Udupa	40 th Annual Meeting & Exposition of the Controlled Release Society held at Hawaii Convention Center, Honolulu, Hawaii, U S A during July 21-24, 2013
Mr P V R Chowdary	Conference 'Challenges in Medical Biology' (ISACS11) held at MIT, Boston, USA during July 23 - 26, 2013
Mr Syed Sajjad Hussien	73 rd FIP World Congress 2013 held at Dublin, Ireland during August 31 to September 5, 2013
Dr Richard Lobo	Pharm Sci 2013 - International Conference The Science of Medicines' held at Heriot Watt University, Edinburgh, UK during September 2 - 4, 2013
Dr Anantha Nagappa Naik	Medicine 2.0: Social Media, Mobile Apps and Internet/Web 2.0 in Health, Medicine and Biomedical Research held at London, England during September 23 - 24, 2013
Dr Rekha R Shenoy Dr Anoop Kishore Mr Muddukrishna B S Mr Swapnil J Dengale	'International Research Conference' held at Kuala Lumpur, Malaysia during September 26 - 27, 2013
Dr Prashant B Musmade	10 th International ISSX meeting held at Toronto, Canada during September 29 to October 3, 2013
Dr Anantha Nagappa Naik	3 rd International Conference on Pharmaceutical Regulatory Affairs held at Double Tree by Hilton Hotel San Francisco Airport, USA during October 21 - 23, 2013
Dr Sreedharan Mr Vijayanarayana K Mr Prasanna Kumar	International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 16th Annual European Congress held at Dublin, Ireland during November 2 - 6, 2013
Mr Pradeep M Muragundi	2013 AAPS Annual Meeting and Exposition to be held at San Antonio, Texas during November 10 - 14, 2013
Dr Rajesh R	6 th Asian Association of Schools of Pharmacy (AASP) Conference held at Singapore during November 14 - 17, 2013
Dr P Girish Thunga	'12 th Congress - Asia Pacific Association of Medical Toxicology' held at Zayed University Convention Center, Dubai, UAE during November 21 - 23, 2013
Mr Madhavan Nampoothiri G	XX World Congress on Parkinson's disease & related disorders held at Geneva, Switzerland during December 8 - 11, 2013
Dr Sudheer Moorkoth	5 th Global Summit on Medicinal and Aromatic Plants held at Miri, Malaysia during December 8 - 12, 2013
Dr N Sivagurunathan	'3 rd Nano Today Conference' held at Biopolis, Singapore during December 8 - 11, 2013
Mr P V R Chowdary Dr Alex Joeph Dr C S Shreedhar	World Congress on Pharmaceutical Sciences and Chemical Technology held at Colombo, Sri Lanka during December 16 - 18, 2013

Dr M Manjunath Setty Dr Saleemulla Khan Mr Vasudev R Pai Dr Jesil Mathew A Dr Raghu Chandrasekhar Mrs Angela Treasa Alex	
Mr Girish Pai K Mr Vamshi Krishna Dr C Mallikarjuna Rao Dr Sreedhara R Pai K	The MacroTrend Conference on Health & Medicine: Paris 2013” held at Paris, France during December 20 - 21, 2013

National Conferences: 22

Name of the Faculty	Details of Conference
Dr S G Vasantharaju	National Seminar on advanced chromatographic techniques held at JSS College of Pharmacy, JSS University, Mysore during February 1-2, 2013
Mr K Vijaya Bhasker	6 th Ramanbhai Foundation Symposium held at Zydus Research Centre, Ahmedabad during February 4-6, 2013
Dr D Sreedhar	2 nd International Marketing in Asia Pacific Issues and Challenges - ICIM 2013 held at Coimbatore during March 7-8, 2013
Dr Ananatha Nagappa Naik	Pharmacovigilance Conference at Yeshwantpur, Bangalore during March 8-9, 2013
Dr Chandrashekar K S Dr Saleemulla Khan	“International conference on Pharmacology and Pharmaceutical Technology” held at Chandigarh organized by International Journal of Pharmacology and Pharmaceutical Technology on March 24, 2013
Mr Girish Pai K Mrs Ruchi Verma Dr Chandrashekar K S	Conference “Recent advance in Ayurvedic Pharmaceuticals” held in Muniyal Ayurvedic College of Pharmacy, Manipal on September 6, 2013
Dr D Sreedhar Dr Virendra S Ligade	Conference on Drug Regulations in India held at Pune on September 15 th , 2013
Dr Sudheer Moorkoth	National Conference on Pharmaceutical Analysis 2013 (NCPA2013) organized by University Department of Chemical Technology held at Dr Babasaheb Ambedkar Marathwada University, Aurangabad during September 18 - 19, 2013
Dr Srinivas Mutalik Dr H N Aswath Ram Dr Krishnamurthy Bhat Dr S G Vasantharaju Dr Jagadish P C Dr V M Subrahmanyam	APTICON-2013, 18 th Annual National Convention held at Rajahmundry, Andhra Pradesh during October 25-27, 2013
Dr Mahalaxmi Rathnanand	Symposium on Food as Medicine held in Dept of Pharmacy Practice, MCOPS, Manipal on October 26, 2013
Dr Srinivas Mutalik Dr Usha Yogendra Nayak Dr Rekha R Shenoy	Conference on ‘Bench to Beside Translational Research’ held in Manipal during November 15-17, 2013
Dr Mahalaxmi Rathnanand	AYURVISION-2013 held in Shirdi Sai Baba Conference Hall, KMC, Manipal during November 22 - 23, 2013

Dr M K Unnikrishnan	APPICON-2013 held at Bangalore during November 27 - 30, 2013
Dr V M Subrahmanyam Dr Raghu Chandrashekar	54th Annual conference of Association of Microbiologists of India held at Rohtak during November 17 - 20, 2013
Dr Jessy Elizabeth Mathew Mr R S Jeyaprakash	Pharma Trendz 2013 held at Kannur, Kerala on November 30, 2013
Mr Lalit Kumar Mr Vamshi Krishna T Mrs Ruchi Verma	National Seminar on Health Care Management' held in Manipal during December 3 - 5, 2013
Dr Srinivas Mutalik	6th Bangalore India Nano Conference held at Bangalore during December 4 - 6, 2013
Mr Aravind Pai	50th Annual Convention of Chemists Indian Chemical Society held at Panjab University, Chandigarh during December 4-7, 2013
Dr Jayesh Mudgal	OMICS Group (International Conference & Exhibition on Traditional and Alternative Medicine) held at Hyderabad during December 9 - 11, 2013
Dr Usha Yogendra Nayak Dr C Mallikarjuna Rao Dr N Gopalan Kutty Dr Sreedhara R Pai K Dr Yogendra Nayak Dr Jayesh Mudgal	Indian Pharmacological Society's 46th Annual Conference was held at Bangalore during December 16 - 18, 2013
Dr Shaila Angela Lewis	20th National Conference on Liquid Crystals held in MIT during December 16 - 18, 2013
Mr Lalit Kumar Dr D Sreedhar Dr Virendra S Ligade Dr Krishnamurthy Bhat	65th Indian Pharmaceutical Congress held at New Delhi during December 20 - 22, 2013

Note: Manipal University rendered financial assistance worth Rs. 52.42 lakhs for the faculty of MCOPS for attending and presenting papers in National and International conferences and Workshops.

6. Faculty served as Resource Persons in Seminars/Workshops :

130 lectures were delivered by MCOPS faculty at 65 different Seminars/Workshops.

The details are as follows :

Sl #	Name of the faculty	Seminar/Workshop	Title of the Topic
1	Dr N Udupa	Nirma University, Gujarat on January 19, 2013	Targeted drug delivery system
2	Dr Nanda Kumar	Awareness Program for DST young Scientist award on January 22, 2013 at MCOPS	
3	Dr Anoop Kishore	Awareness Program for DST young Scientist award on January 22, 2013 at MCOPS	
4	Dr Anantha Nagappa Naik	Adicunchangiri College of Pharmacy BG Nagara, Mandya District on February 2, 2013	"Role of Pharmacist in Public health"
5	Dr J Venkata Rao	Vishnu College of Pharmacy, Bhimavaram, Andhra Pradesh during March 2013	'Scope of Pharmaceutical Biotechnology'

6	Dr C Mallikarjuna Rao	National level Workshop Sponsored by RGUHS Bangalore & SDET Mangalore organized by Shree Devi College of Pharmacy, Kenajar, Mangalore during March 1- 2, 2013	"Data Analysis in Research Outcome"
7	Dr M K Unnikrishnan		"How to write a Proposal for a research Grant" and "Importance of Research in Higher Education: Chasing the Rainbow of Hope"
8	Mr Girish Thunga		"Importance of Research Methodology"
9	Dr Vijayanarayana K		"Referencing styles- Vancouver & Harvard" and "Demonstration of End Note Software for Referencing/Citation"
10	Dr D Sreedhar	2 nd International Conference on "International Marketing in Asia Pacific Issues and Challenges (ICIM) - 2013", March 7, 2013 Coimbatore,	Investigation of Fiedler's Contingency Model in an Institution
11	Dr Nanda Kumar	Awareness Program for DST Young Scientist Award on March 15, 2013 At MIT, Manipal	
12	Dr Rekha Shenoy		
13	Dr Anantha Nagappa Naik	2 nd Annual National Conference, SNJBs SSDJ College of Pharmacy Chandwad on March 17, 2013	The pharmacy in Health care
14		MGV's Pharmacy College, Panchavati, Nashik on March 19, 2013	New trends in community pharmacy practice
15	Dr Anantha Nagappa Naik	Patient reported outcomes in Pharmacovigilance RIPER, Ananthapur, on March 24, 2013	Can we practice pharmacy in the country ???
16	Dr M K Unnikrishnan	One day symposium (SAP sponsored program) at University of Mysore, Manasagangothri, on March 28, 2013	"AMP kinases in energy metabolism and inflammation"
17	Dr N Udupa	Vivekananda College of Pharmacy, Bangalore on March 29, 2013	Nanotechnology on healthcare
18	Dr Krishna murthy Bhat	Gavesha- - Ayurveda conference at KMC, Manipal on April 4, 2013	"Good Manufacturing Practices (GMP)"
19	Dr Surulivel Rajan	Seth GS Medical College & KEM Hopsital, Mumbai on April 12, 2013	"Population Pharmacokinetics"
20	Dr M K Unnikrishnan	Seminar on Comprehensive Assessment of Aphasia and Dementia organised by the Department of Speech and Hearing, MCOHAS, Manipal on April 12, 2013	"Aphentia-2013"
21	Dr Surulivel Rajan	Sri Ramachandra University, Porur, Chennai during April 29- 30, 2013	SRV's Hands-on workshop on basic PK/PD modeling
22	Dr N Udupa	India Networking ISPOR community, USA on May 18 - 22, 2013	India Networking ISPOR community- Chaired the session

23	Dr Raghu Chandra Shekhar	Shirpur Education Society's R C Patel Institute of Pharmaceutical Education and Research, Shirpur, Maharashtra during May 27 - June 8, 2013	'Microbial Contamination of herbal medicine: Motives and Analysis'
24	Dr Koteshwara KB	Summer School and AICTE sponsored Quality Improvement programme held at Manipal during June 3 - July 13, 2013	Biosimilars: Current trends
25	Dr Mahalaxmi Rathnanand		Drug-drug, Drug-excipient interactions, interpretations in Pharmaceutical formulations
26	Dr Shaila A Lewis		Biosimilars Future prospects
27	Dr Srinivas Mutalik		Novel drug delivery system for phytopharmaceuticals
28	Dr Anup Naha		Transdermal drug delivery systems
29	Dr Usha Y Nayak		Novel approaches for bioavailability enhancement of drugs
30	Mr Girish Pai K		Nutraceuticals- Importance of GMPs and Manufacturing Assurance
31			Manufacturing of tablets on a industrial scale
32	Dr Anup Naha		Self nanoemulsifying drug delivery systems for bioavailability enhancement
33	Dr M K Unnikrishnan		Cognition the understanding of understanding'
34	Dr Surulivel Rajan		Population pharmacokinetics
35	Dr Krishna murthy Bhat		"When experiments Travel"
36	Dr P C Jagadish		Recent Trends in Zonization and Analysere in MS"
37	Mr Swapnil Dengle		Challenges in developing aenosphous
38	Dr C Mallikarjuna Rao		Ethics in Publication
39	Dr Krishna murthy Bhat		Vibration Isolation Control chniques for structures
40	Mr Aravind Pai		Recent trends in Anticancer Drug Discovery
41	Dr M K Unnikrishnan		Cognition
42	Dr Gautham		Metabolic Engineering

	Shenoy		
43	Dr Varadaraj Bhat		Physicochemical Properties in Drug Discovery
44	Dr Suvarna G Kini		Antitubercular Lead Discovery
45	Dr Yogendra Nayak -		Pharmacy Research in Global Scenario
46	Dr Rekha Shenoy		Scientific Misconduct Demonstration
47	Dr Surulivel Rajan		Population Pharmacokinetics
48	Dr K B Koteswarar		Biosimilars: Current trends
49	Dr Raghu Chandrashekar		Microbial contamination of herbal medicine: Motives and Analysis
50	Dr N Udupa		Nano technology for Health care: Future scope of Nano-Pharmaceuticals
51	Dr Nanda Kumar K		Regulatory Toxicity
52	Dr C Ganesh Pai		Inflammatory Bowel Diseases
53	Dr Mahalaxmi Ratnanand		Drug-drug, drug- excipients interactions: Studies, interpretations in Pharmaceutical formulation
54	Dr Shaila Lewis	Summer School and AICTE sponsored Quality Improvement programme held at Manipal during June 3 - July 13, 2013	Biosimilars: Future prospects
55	Dr Srinivas Mutalik		Novel drug delivery system for phytopharmaceuticals
56	Dr Usha Y Nayak		Novel approaches for bioavailability enhancement of drugs
57	Dr Jesil Mathew		Top 10 Biosimilars to watch
58	Dr V M Subrahmanyam		Biosimilars - Large Scale Production
59	Dr N Sivagurunathan G		Biosimilars and Economy
60	Mrs Angel Treasa Alex		Immunogenicity assessment for therapeutic protein products - FDA guidelines
61	Dr J Venkata Rao		Biotechnology - Past and Present

62	Dr Manthan Janodia	Summer School and AICTE sponsored Quality Improvement programme held at Manipal during June 3 - July 13, 2013	Intellectual Property Management
63	Dr Anantha Nagappa Naik		WHO regulations for Biosimilar
64	Dr D Sreedhar		Fixed Dose Combinations: Boon or Bane?
65	Dr Virendra S Ligade		Cosmeceutical Products: Myths and Misconceptions
66	Mr Pradeep Muragundi		Role of Comparative effectiveness studies in patient centered innovation
67	Mr R S Jeyaprakash		Anti-Malarial Drug Discovery
68	Mr R Rajesh		Pharmacovigilance
69	Mr Vijayanarayanan K		Introduction to Basic Statistics & Research Methodology
70	Mr Girish Thunga		Introduction to Basic Pharmacokinetics
71	Dr K S R Pai		Novel Sensitizers of Stemcell Mediated Trail Therapy for Treatment of Glioblastoma Multiforme
72	Mr Muddukrishna B S		Good Documentary Practices - current perspectives and future prospects
73	Dr P C Jagadish		Recent advances in soft ionization techniques and mass analysers
74	Dr Sudheer Moorkoth		Infant food labeling - A mute story of solicitude
75	Dr Krishna murthy Bhat		When experiments travel
76	Dr S G Vasantharaju		Drug repurposing - An overview
77	Dr Prashant B Musmade		Good Clinical Practices
78	Mr Syed Sajjad Husen		Hatch Waxman Act 1984
79	Mr Swapnil J Dengle		Challenges in developing amorphous formulation
80	Dr N Udupa		Indian and International Associations at Manipal: A brief overview
81	Dr C Mallikarjuna		Future of Pharmacy Education

	Rao		
82	Dr Saleemulla Khan		Herbal Drugs for the treatment of Osteoporosis
83	Dr Prashanth Musmade	Nanomedicine in Faculty Development Programme (FDP) was held at Manipal College of Pharmaceutical Sciences during October 14 - 26, 2013	Preclinical Pharmacokinetics
84	Dr Saleemulla Khan	AICTE Sponsored faculty development program at RC Patel Institute of Pharmacy, Shirpur, Maharashtra on June 7, 2013	Development of dietary Supplement for management of Osteoporosis
85	Mr Syed Sajjad Hussein	AICTE sponsored Faculty Development Program during October 14 - 26, 2013	Nanoparticle characterization
86	Mr Rajesh V	Amrita School of Pharmacy on June 28, 2013	"Research & Career in Pharmacy Practice"
87	Dr Vijayanarayana K	RDT Hospital Bathalapalli, Anantapuramu, AP on June 29, 2013	"Referencing styles and demonstration of Endnote Software"
88	Mr Suhaj A	RDT Hospital Bathalapalli, Anantapuramu, AP on June 29, 2013	"Pharmacy education & Practice - An overview"
89	Dr Anantha Nagappa Naik	MCOPS, Manipal University, Manipal on July 1, 2013	Global perspective of Biosimilar, focusing on updates in regulatory issues pertaining to patent & prices
90	Mr Pradeep Muragundi	2 nd Annual Convention of Consortium of progressive Indian Pharmaceutical Associations of Manipal, "Pharmacy Education at Crossroads - Are we on the right path?" on July 13, 2013	Pharmacoeconomics - An Introduction
91	Dr Krishnamurthy Bhat	Second Annual Convention of the Consortium of Progressive Indian Pharmaceutical Associations of Manipal was held during July 12 - 13, 2013 at MCOPS	"Art of grant man ship"
92	Dr Saleemulla Khan	AICTE Sponsored QIP and Summer school at MCOPS July 3 - 13, 2013	HPTLC A tool in drug development
93	Dr Saleemulla Khan	2 nd Annual consortium of progressive Indian Pharmaceutical Association of Manipal held on July 12 - 15, 2013	Preclinical development of dietary Supplement for management of Osteoporosis
94	Dr Anantha N Naik	College of Pharmacy University of Findly, Ohio USA on July 19, 2013	Patents or Patients ?
95	Dr Anantha N Naik	Omics 2013, Regulatory Affiars 2013, San Francisco, California USA on July 24, 2013	Pricing policy for a patent medicine? Need for changing the frame work of rewarding an Innovation
96	Dr N Udupa	Pushpagiri College of Pharmacy, Kochi on August 5, 2013	Pharma Research
97	Dr Virendra S Ligade	ICMR sponsored seminar on Cosmeceutical, Nutraceutical - New Drug Delivery Systems	Cosmeceuticals - Regulatory Implications

		and Regulatory Challenges on August 22, 2013 MCOPS, Manipal	
98	Dr Saleemulla Khan	ICMR sponsored seminar on "Neutraceutical regulatory issues" held during August 22 - 24, 2013	Neutraceuticals: Regulatory requirements
99	Dr Sudheer Moorkoth	ICMR sponsored workshop at KMC, Manipal on September 3, 2013	Resource person "Primer to GLMS and LC- MS"
100	Dr C S Shreedhara	COLLOQUY -Samunnati organized by Post graduate Department of Rasashastra & Bhaishajya Kalpana at Muniyal Institute of Ayurveda Medical Sciences, Manipal Held on September 6, 2013	Role of Pharmacognosy & phytochemical analysis in the raw drug standardization of Herbal products
101	Dr D Sreedhar	National Level Conference, Drug Regulation in India, Poona Hospital & Research Center - Auditorium, Pune, September 15, 2013	Fixed Dose Combinations: Manufacturing and Regulatory Challenges
102	Dr Virendra S Ligade		Cosmeceutical - An Overview
103	Dr Surulivel Rajan	M N V G Adiyodi Memorial Pharmacy Bhavan Thiruvananthapuram, Kerala on September 26, 2013	"Evolving Roles of Clinical Pharmacist"
104	Dr Jayesh Mudgal	Defence Food Research Laboratory, CEP Course, Mysore during Sept 23 & 27, 2013	Pharmaceutical application of nutraceuticals
105	Mr Madhavan Nampoothiri G	KMC, Mangalore on October 5, 2013	Experience the Advances in Teaching & Research in Embryology
106	Dr D Sreedhar	AICTE Sponsored Faculty Development Programme on Pharmaceutical Regulations in Developing Countries, MCOPS, October 21, 2013	Drug Price Control Order: Regulation of Drug Prices in India
107	Mr Pradeep Muragundi		Regulations Governing Promotion of Pharmaceutical Products
108	Dr Jesil Mathew	Department of Pharmacology, KMC Manipal on July 12, 2013 and October 23, 2013	Demonstration of use of PC & Extraction of Genomic DNA from blood
109	Mr Sonal Sekhar	CHEO, Ottawa, Canada on October 24, 2013	Pharmacy Profession and Practice in India"
110	Dr M K Unnikrishnan	"Food as Medicine", Indo-Queensland Research Initiative Project Fund & Dept of Pharmacy Practice (CPEC) on October 26, 2013 at MCOPS, Manipal	The Glutton's Nemesis: Nature v/s Nurture in Food preferences with a special note on Probiotics"
111	Dr Rekha R Shenoy		Sambhar, an Indian dish reducing the risk of colon cancer
112	Dr Saleemulla Khan		"Let food be thy medicine"
113	Mr Madhavan Nampoothiri G	"Molecular pathology and Pharmacology of Human diseases at IIRBS, Mahatma Gandhi University Kottayam on October 27, 2013	

114	Dr N Udupa	KLE University, Belgaum on November 12, 2013	Research in Pharma
115		Institute of Pharmacy, Bhopal on November 18, 2013	Nanoformulation as a targeted drug delivery
116	Dr Surulivel Rajan M	“Pharma Quora 2013” Academic Committee Students Council held on November 23-24, 2013 at Manipal	Population Pharmacokinetics
117	Dr Surulivel Rajan M	AICTE Sponsored National Seminar at Pariyaram Medical College, Kannur on November 28-30, 2013	“Pharmatrendz-2013”
118		National College of Pharmacy, Manassery on November 27, 2013	“Recent Trends in Drug Discovery and Development”
119	Dr D Sreedhar	AICTE sponsored staff development programme on Recent Trends in Drug Discovery and Development, National College of Pharmacy, Manassery, Kozhikode on November 28, 2013	Intellectual Property Rights and IP Management
120	Dr M K Unnikrishnan	NIMHANS, Bangalore during November 28 - 30, 2013	“Decades of Research in Physiology and Pharmacology: Reminders to Remember and focus
121	Dr D Sreedhar	AICTE Sponsored Faculty Development Programme on Advances in polymer based drug delivery systems, December 3, 2013, Satara College of Pharmacy, Satara	How to Protect and Manage Inventions?
122	Dr N Udupa	International conference on Biotechnology and human welfare at Thanjapur on December 6 - 8, 2013	Exploring nanotechnology in Healthcare
123	Dr M Sreenivasa Reddy	Indo-UK Seminar, Royal Society of India and DST, held at MCOPS, Manipal on December 9, 2013	Nanoparticle Drug Delivery-A more effective therapeutic solution?
124	Dr Virendra S Ligade	AICTE Sponsored Faculty Development Programme on Advances in polymer based drug delivery systems, Satara College of Pharmacy, Satara, December 13, 2013	Cosmeceuticals - Indian Scenario
125	Dr N Udupa	JSS College of Pharmacy, Ooty on December 13, 2013	Research opportunity in Pharma Field
126	Dr Rajesh V & Mr Sonal Sekhar	National College of Pharmacy, Calicut during December 16, 2013	“Pharmaceutical care”
127	Dr D Sreedhar	Royal Society, UK and DST, India sponsored Indo-UK scientific seminar on December 16, 2013	Market, Regulation, Safety and Patent Issues of Nanoparticle Drug Delivery Systems
128	Dr N Udupa	65 th IPC, New Delhi December 18 - 22, 2013	Chaired the session for oral presentation
129	Dr J Venkata Rao	65 th IPC, Amity University, New Delhi during December 20 -22, 2013	Chaired session

130	Dr Krishnamurthy Bhat	65 th IPC, Amity University, New Delhi during December 20 -22, 2013	Resource person
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Apart from the above, the MCOPS faculty members have made around 50 presentations at the weekly Journal Club Meet during 2013 calendar year.

7. Ongoing Research Projects : 20

- 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 Acute and Chronic toxicity studies of CPL/IB0413, a finished product of Cholayil Pvt Ltd (Rs 3.83 lakh)
- 4 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)
- 5 Marrow derived Stem Cell conditioned media based anti-wrinkle serum Stempeutics Research Pvt Ltd, Manipal (Rs 2.00 lakhs)
- 6 Entrepreneurship Development Cell, AICTE, New Delhi (Rs 6.00 lakhs)
- 7 Preparation and Characterization of water soluble Nanoparticles using supercritical fluid technology, AICTE, New Delhi (Rs 17.00 lakhs)
- 8 Evaluation of Glycosmis pentapylla Dc for Histone deacetylase inhibition, AICTE, New Delhi (Rs 11.50 lakhs)
- 9 Design and Synthesis of Novel Flavopiridol Analogues as useful Antiulcer Agents, AICTE, New Delhi (Rs 5.20 lakhs)
- 10 Isolation & Characterization of Phytoconstituent from *Macroselin parviticus* Danser and evaluation of their in vitro cytotoxic activity on various cancer cell lines, SERB, New Delhi (Rs 18.50 Lakhs)
- 11 Acute and Chronic Toxicity Study of CPL/IBO413, Cholayil Pvt Ltd (Rs 1.07 Lakhs)
- 12 Evaluation of test formulations EB-CJ-01/02 on mineralization/calcium deposition in human osteoblast cell lines, Enovate Pvt Ltd (Rs 1.50 lakhs)
- 13 Development & Evaluation of Liposomal Carrier Systems of Hepatoprotective Agents to Target the Liver, AICTE, New Delhi (Rs 13.00 lakhs)
- 14 Preclinical Evaluation of E-ER-01/02/03 for Antifatigue and ergogenic activities, Enovate Biolife Ltd, Mumbai (Rs 0.36 lakhs)
- 15 Development of novel quercetin analogues intended for selective HDAC-8 inhibition as beneficial anti cancer agents, SERB, New Delhi (Rs 22.18 lakhs)
- 16 Novel non-ulcerogenic small molecules chemical synthesis and biological efficacy in chronic inflammatory disorders, SERB, New Delhi (Rs 18.80 lakhs)
- 17 Chloroquine (CQ), ICMR, New Delhi (Rs 1.50 lakhs)
- 18 Career Award for Young Teachers, AICTE, New Delhi (Rs 1.50 lakhs)
- 19 Evaluation of test formulations E-B-CJ-01/EB-CJ-02 on mineralization in human osteoblast cell lines & evaluation of test formulations on mineralization/calcium deposition in human osteoblast cell lines, Enovate Biolife Pvt Ltd (Rs 2.63 lakhs)
- 20 Preparation and evaluation of nanoparticulate sunscreens containing plant- based polyphenols, Govt of India, Ministry of Sci & Technology, DBT (Rs 24.17 Lakhs)

8. 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.

9. Collaborations established :

(a) With Foreign Universities :

- 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

(b) With National Universities :

- Indian Institute of Sciences, Bangalore – for PhD programmes
- NITK, Surathkal – for analyzing samples
- National Botanical Research Institute (NBRI) Lucknow – for research activities

(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

10. MCOPS Strengths :

The true strength of MCOPS is its composition viz 8 departments representing 8 different disciplines of profession of pharmacy. These are chronologically Pharmaceutical Chemistry, Pharmaceutics, Pharmacology, Pharmacognosy, Pharmacy Management, Pharmacy Practice, Pharmaceutical Quality Assurance and Pharmaceutical Biotechnology.

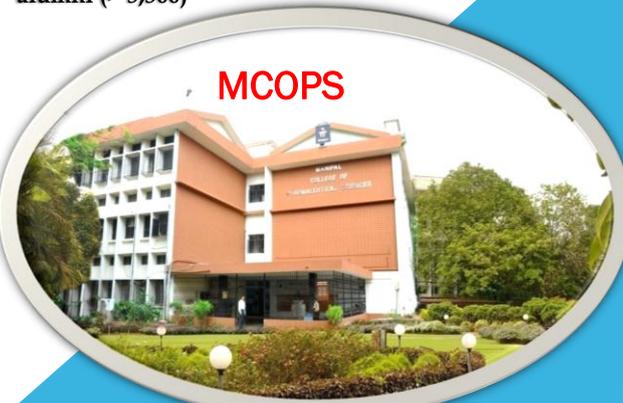
Manipal College of Pharmaceutical Sciences



- 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)



Pharmaceutical Chemistry



MCOPS



Pharmaceutical Biotechnology



Pharmaceutics

The most sought-after destination for pharmaceutical education & research



Pharmaceutical Quality Assurance



Pharmacology



Pharmacognosy



Pharmacy Management



Pharmacy Practice

11. Scientific accomplishments in cumulation :

Overall Achievements	Upto 2012	2013	Total
Papers published in International and National journals	1400	152	1552
Presentations in International and National conferences	1443	114	1557
Books Published	11	1	12
Patents Granted	08	-	08
Patents filed	06	-	06
Research Projects Completed	90		90
Research Projects ongoing	49	20	69
PhD Completed	107	10	117
PhD Registered	98	10	108
Workshops /Conferences conducted	158	15	173
Grants received (in Crores)	13.38	1.62	15.00

12. Highlights of Specific Events in the current year :

Tie-ups :

- Massachusetts General Hospital & Harvard Medical School, Boston, USA
- Axxonet System Technologies Pvt Ltd Bangalore
- Arjuna Natural Extracts Ltd
- Sequent Research Limited, Bangalore
- Radiant Research Services Pvt Ltd

Placement Record:

Campus interviews were conducted by reputed pharmaceutical industries of India like Zodiac Pharma, Mylan Laboratories, Indegene Life systems Pvt Ltd. The placement of PG students of MCOPS, Manipal was 100% during 2013. Undergraduate students opting for jobs were placed suitably. More than 80% of the undergraduate students opt for higher studies in India / Abroad

Grants :

- **Grants applied: 102 grants worth Rs. 8 crores**
- **Grants sanctioned : 2.35 crores**
- **Research Grants received : 1.62 crores**

Patents Filed : 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-mercaptopyrindin-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.

Workshops / Seminars/ Conferences conducted : 15

1. Manipal IPC Commemoration Symposium 2013 held on February 14, 2013 Mr M V Kamath (veteran journalist) inaugurated the symposium in the presence of Dr M N A Rao (General Manager Research, Divi Labs, Hyderabad), Dr Raman Singh (Indian Pharmacopoeia Commission, New Delhi), Dr M D Burande (Pune), Mr Umanandan Mishra (BHU), Mr Kiran Shankar (Wintac, Bangalore), Dr N Udupa and Dr C Mallikarjuna Rao (Vice Principal, MCOPS).



- Industry-Institute Interaction at MCOPS on February 14, 2013 : Seven experts from industries visit MCOPS to deliver guest lectures : Mr Kiran Shankar (Wintac, Bangalore), Dr Ramkumar (Orchid Health, Chennai), Mr Pradeep Simha (Siemens, Bangalore), Ms Kirti Chopra (Reckitt-Benckiser), Dr George Patani (INGA, Mumbai), Dr Sandeep Tiwari (Colorcon, Goa), Dr Praveen Bommuraj (Aptus Biosciences, Hyderabad).
- Three AICTE-sponsored Quality Improvement Programmes were held in tandem at MCOPS. Each one of these was a two-week programme. All the departments were involved by turn in the conduct and co-ordination of the QIP. The inauguration took place on June 3, 2013.

QIP No 1: June 3 - 15, 2013

Theme: Leads from Natural and Synthetic Sources.

Coordinating departments: Pharmacognosy, Pharmaceutical Chemistry, and Pharmacology.

QIP No 2: June 17 - 29, 2013

Theme: Biosimilars- Technologies and Prospects.

Coordinating departments - Pharmacology, Pharmaceutics and Pharmaceutical Biotechnology.

QIP No 3: July 1 - 13, 2013

Theme: Production to Prescription - Opportunities for Innovation.

Coordinating departments: Pharmacy Management, Pharmacy Practice and Pharmaceutical Quality Assurance.



- The Second Annual Convention of the Consortium of Progressive Indian Pharmaceutical Associations of Manipal was held on July 12 - 13, 2013 at MCOPS. Dr K Ramnarayan, Vice Chancellor, Manipal University was the Chief Guest at the inaugural function.
- ICMR-sponsored three-day Seminar on "Innovative Drug Delivery Approaches and Regulatory Implications in Cosmeceuticals and Nutraceuticals" at Manipal College of Pharmaceutical Sciences during August 22 - 24, 2013.



6. AICTE-sponsored Faculty Development Programme on Pharmaceutical Regulations in Developing Countries at MCOPS: Faculty Development Programme (FDP) was held at Manipal College of Pharmaceutical Sciences (MCOPS) during October 14 – 26, 2013.



7. Entrepreneurship Development Cell (EDC) was set up at Manipal College of Pharmaceutical Sciences funded by All India Council for Technical Education (AICTE). Under EDC, a three-day Entrepreneurship Development Programme was held at Manipal College of Pharmaceutical Sciences (MCOPS) during October 21- 23, 2013.
8. Industry Institute Interaction was held at Manipal College of Pharmaceutical Sciences (MCOPS) during October 24 – 26, 2013.
Experts from Industry namely Dr Dinesh Shenoy, Dr Karthik, Dr Gopal interacted with the faculty and post graduate students. They delivered lectures in their area of expertise and highlighted the opportunities in their respective fields Mr Harikrishna Holla from Holla Associates interacted and discussed a few cases related to Trademark, Patents and Copyrights.
9. One Day Symposium on “Food as Medicine” was Jointly organized by Indo-Queensland Biotechnology Project Fund & Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, Manipal University on Saturday, October 26, 2013.
10. A two-day Manipal College of Pharmaceutical Sciences undergraduate pharma fest “PharmaQuora” was organized during November 23 - 24, 2013 with the theme “Together We Delve”.
11. Manipal College of Pharmaceutical Sciences, Manipal University and School of Pharmacy and Bio-molecular Sciences, University of Brighton, UK jointly organized an Indo-UK Scientific Seminar on “Nanoparticle Drug Delivery- A more effective therapeutic solution?” between December 9 and 11, 2013 The Indo-UK Seminar was sponsored by Royal Society- UK and DST- India.

Following were the resource persons –

1. Prof John Smart – Head of school and Prof of Pharmaceutical, Pharmacy and Biomolecular Sciences
2. Prof Sergey Mikhalovsky, Professor of Materials Chemistry, Pharmacy and Biomolecular Sciences
3. Dr Prabal Chatterjee, Principal Lecturer, Pharmacy and Biomolecular Sciences
4. Dr Ananth Pannala, Principal Lecturer, Pharmacy and Biomolecular Sciences
5. Dr Aparna Kakarla, General Practitioner, St James Medical Centre
6. Dr Rakesh Singh, Assistant Professor, Stem Cells, Department of Translational and Regenerative Medicine, Chandigarh



12. A one-month Summer School for Research Scholars was held at Manipal College of Pharmaceutical Sciences (MCOPS) between 3 June and 2 July 2013. The training programme was aimed at apprising the doctoral candidates and research scholars of the various advanced research techniques.

The Summer School was held under the auspices of the newly constituted Manipal University Research Directorate. Dr N Udupa (Principal, MCOPS), who is the Director of Research of Manipal University, coordinated the programmes.

13. A one-week workshop on Advanced Techniques in Drug Delivery was organized from June 17 - 22, 2013 under the recently formed Dr TMA Pai Endowment Chair of Manipal University.
14. A Workshop on Nano-based Drug Delivery System under TMA Pai Endowment Chair was held at Manipal College of Pharmaceutical Sciences (MCOPS) during October 15 - 19, 2013.
15. Mr Jayaprakash Nallasamy from Lorenz Life Sciences, India Pvt Ltd, Chennai conducted one-day Workshop on 7th February 2013 for the benefit of M Pharm Regulatory Affairs students.

Felicitations/Social/Pharmacy profession related Programmes conducted : 17

1. Five eminent personalities Dr A Krishna Rao, Dr PLN Rao, Dr P G Shivananda, Dr PLNG Rao, Dr N R Rau, who have contributed for the growth and development of Manipal College of Pharmaceutical Sciences, Manipal in the initial stages were honoured in connection with the Golden Jubilee Celebrations of MCOPS on 15th January 2013.
2. Dr N Udupa who retired as Principal on 31st July 2013 was felicitated in MCOPS in the presence of University authorities on July 18, 2013.
3. Retreat Programme was jointly organised between January 29 and 31, 2013 at Lonavala Resort for the Heads of the Departments of MCOPS & MCOAHS, Manipal.
4. Industrial tour to Bangalore and Goa was successfully conducted for the benefit of final year B Pharm students between February 8 and 10, 2013.
5. Staff Club of MCOPS organized "Surabhi" a cultural / talents day programme for the benefit of teaching and non teaching staff of MCOPS in February 9, 2013.
6. The valedictory of the yearlong Golden Jubilee celebrations and Annual Day (2012-13) of Manipal College of Pharmaceutical Sciences was conducted on 15th February 2014 at Fortune Inn Valley View International, Manipal.

Dr Suresh Vice Chancellor of JSS University Mysore and President of Pharmacy Council of India (PCI) was the Chief Guest at the valedictory function held at Fortune Inn Valley View International, Manipal. The function also marked the Annual Day of the college.

The Chancellor of Manipal University, Dr Ramdas M Pai, Pro Chancellor Dr H S Ballal, Registrar Dr G K Prabhu, President of Indian Hospital Pharmacists Association Mr S L Nasa, Principal and Vice Principal of MCOPS, Dr N Udupa and Dr C Mallikarjuna Rao, respectively were also present on the dais for the valedictory function.

7. Alumni Reunion Day 2013 : MCOPS Alumni Meet was conducted on February 15, 2013 at MCOPS Dr K Laxminarayan Bairy (Head of Pharmacology, KMC, Manipal) was the Chief Guest on the occasion.



8. The Annual Sports Meet for the Academic year 2012-13 was held on February 12, 2013. The students actively participated in the sports, games and tournaments and in intra and inter University events held during 2013.
9. IPA, Manipal Branch organised a guest lecture by Prof Trevor Devas, Guest faculty, Manipal Group of Institutes on the topic “**Entrepreneurship - US Experience - Pharmacy Perspective**” on April 13, 2013.
10. Students of MCOPS, Manipal successfully participated in Utsav, annual cultural event of Manipal University held during April 2013.
11. Orientation Programme for the newly joined B Pharm and Pharm D students was conducted between July 22 and 23, 2013.
12. College Magazine (2012-13) ‘Excelsior’ of Manipal College of Pharmaceutical Sciences released on September 3, 2013.
13. “Students Council” for the Academic year 2012-13 of Manipal College of Pharmaceutical Sciences was inaugurated on September 3, 2013.
14. Manipal College of Pharmaceutical Sciences celebrated **Pharmacists Day** on September 25, 2013. It was organized under the aegis of Indian Pharmaceutical Association, Manipal Branch. Dr Nandini Kumar, DIA, Mumbai addressed during the function.



15. Student Council for the Academic year 2012-13 organised the cultural programme Sanskriti on November 17, 2013.

16. The two-day Manipal College of Pharmaceutical Sciences undergraduate pharma fest "PharmaQuora" was organized during November 23-24, 2013 with the theme "Together We Delve".



17. Radio Mirchi Mangalore visited our institution in connection with "Mirchi Campus Stars" – a National Level Campus Hunt for the selection of Mr and Ms Campus Stars from the top colleges in Karnataka on October 2, 2013.

13. Honours and Recognitions :

Institution related :

- (a) **Ranking :** Continue to maintain No. 3 position amongst 1,000 and more colleges.
- (b) **PhDs Awarded under Pharmaceutical Sciences during 2013 : 10**
1. Dr Faizal P : Population Analysis of the Pharmacokinetic Data and Toxicities of Paclitaxel in Breast Cancer Patients Guide: Dr Vadhiraja B M; Co-guide : Dr N Udupa.
 2. Dr Aravind Kumar: Bioavailability enhancement of Candesartan Cilexetil and Eprosartan Mesylate using Microemulsion Technology Guide: Dr M Sreenivasa Reddy, Co-Guide: Dr N Udupa.
 3. Dr Praful Balavant Deshpande: Oral Nanoparticulate Drug Delivery systems of Lercanidipine Guide: Dr N Udupa; Co-Guide : Dr M Sreenivasa Reddy.
 4. Dr Leelavathi D Acharya: Evaluation of Prescription Patterns and Cost of Illness of Type-2 Diabetic Patients in a Tertiary Health Care Hospital Guide: Dr N R Rau, Co-Guide : Dr N Udupa.
 5. Dr TNV Ganesh Kumar: Design, Synthesis and Evaluation of Antimycobacterial activity of Triazoles, Guide: Dr G Gautham Shenoy; Co-Guide: Dr Indira Bairy.
 6. Dr Jayesh Mudgal: Anti-inflammatory and anti-hyperalgesic activity of thiazolidin-4-ones and heterocyclic homoprostanoids Guide: Dr N Gopalan Kutty; Co-Guide : Dr C Mallikarjuna Rao.
 7. Dr Anoop Kishore: An Appraisal of Anti-diabetic and Hypolipidemic Activities of Thiazolidin-4-ones with Nicotinamide Moiety in Animal Models Guide: Dr N Gopalan Kutty.
 8. Dr R Rajesh: The study of Pharmacovigilance of Highly Active Antiretroviral Therapy in Human Immunodeficiency Virus Positive Patients Guide: Dr Sudha Vidyasagar.
 9. Dr Nitesh Kumar: Development and evaluation of liposomal carrier systems for hepatoprotective agents to target liver Guide: Dr C Mallikarjuna Rao; Co-Guide : Dr N Udupa and Dr N Gopalan Kutty.

10. Dr Sidharth Sankar Kar: Design, Synthesis and Evaluation of Antimycobacterial activity of Diphenyl ether derivatives Guide: Dr Gautham Shenoy: Co-guide : Dr Indira Bairy.

Students' related :

Academic related : 6

1. **Vision Group of Science and Technology (VGST)** released SPICE support grant (2013 -14) of Rs 28,000/- for project entitled "Screening of milk samples for the isolation of cholesterol oxidase producing lactobacillus species" submitted by **Mr G Aditya Kiran**, MPharm – Part II, Department of Pharmaceutical Biotechnology.
2. **Ms Aswathi R Hegde**, M Pharm Part I, Department of Pharmaceutics received **second prize** for National level **Pharma Power Point Competition** organised by Power (Pharmacists Organisation for Women Empowerment and Research) held on the occasion of International Women's Day on March 8, 2013. Topic was "Recent Advances in Tableting Technologies: guided by Dr Mahalaxmi R R and Dr Girish Pai K, Department of Pharmaceutics, MCOPS.
3. **Ms Nimmi Zaviour**, M Pharm Part-II, Department of Pharmacy Practice was awarded **Second prize** in the "Pharmacology postgraduate lecture update" held at Department of Pharmacology, KMC, Mangalore on March 25, 2013.
4. **Ms Hita Bhatt** of Final year B Pharm was selected for **Goldman Sachs**.
5. **Mr Pranjal Gupta and Ms Kumari Priyadarshini**, B Pharm 2012-13 passed-out students, were selected for **Prof M L Schroff** Medal for securing highest grade in B Pharm exam held in April 2013. The medal, certificate and cash prize were presented at the inaugural function of 65th Indian Pharmaceutical Congress to be held on 20th December 2013 at Amity University, Noida.
6. **Mr P Rahul Kumar Reddy**, M Pharm Part II, Department of Pharmaceutical Biotechnology received. Best oral Presentation award for "Optimization of production parameters for T-cell proliferators from selected prokaryotes: A Plackett –Burman Design" at 65th IPC, New-Delhi during December 20 - 23, 2013.

Sports related :

MU Inter Collegiate Swimming Competition 2013 was held on October 1 – 2, 2013
Men – **Team Championship** – MCOPS 1st Runner Up (Team members : Rathna Surendra, Anwar, Ashish and Pratik) Mr Rathna Surendra and Ashish won the individual events.

Overall Championship : 4th Place

Women's squash team : Winners (Team members : Anuvrinda, Akansha and Rupa)
Excellent performance in the Inter-collegiate badminton tournament held at Marena (Mangalore campus) on the October 201-21, 2013 (Boys team: Omar, Ahmad, Avichal, Aditya and Vinay Girls team: Anuvrinda, Sweeka and Rupa).

Cultural and others related :

Manipal College of Pharmaceutical Sciences has participated in Utsav 2013 and secured 5th place (72 points).
1st Place in Clay modelling and Rangoli, 2nd place in Instrumental solo and Extempore and 3rd place in Indian Classical Vocal solo, Western /non Indian Vocal group and Poetry.

Faculty related : 12

1. **Dr Anup Naha**, Department of Pharmaceutics has received **Best Paper Award** for the poster entitled Formulation and In vitro Evaluation of self-Nanoemulsifying Drug Delivery System

(SNEDDS) of Gliclazide under professional poster in DUPHAT held in Dubai during March 10 - 12, 2013. The Paper was co-authored by Dr M Sreenivasa Reddy and Dr N Udupa.

2. **Dr Anantha Nagappa Naik**, Department of Pharmacy Management received **APP Academic Excellence Award** in 2nd APP Annual National Convention held on March 17, 2013 at Nasik.
3. **Dr Saleemullah Khan**, Department of Pharmacognosy was awarded the **Inter Science Scholastic Award** for the paper entitled "Isolation and characterization of oligomeric procyanidin-rich polyphenol fraction of *Cinnamomum zeylanicum* bark and its *in vitro* antidiabetic studies" for the category best presentation in the tract IJCPPT at the International Joint Conference on Control, Pharmacology and Pharmaceutical Technology held at Chandigarh on March 24, 2013.
4. **Dr Krishnamurthy Bhat**, Abilasha Gupta, ST Bhagawati, BS Muddukrishna, Jagadish PC of Department of Pharmaceutical Quality Assurance received **Best Paper in Pharmaceutical Analysis** for the article published in IJPER "Estimation of stavudine, lamivudine and nevirapine by Chemometric UV Spectroscopic Method" during APTI - 18th Annual National Convention, Rajahmundry, AP October 25 - 27, 2013.
5. **Dr V M Subrahmanyam**, Department of Pharmaceutical Biotechnology secured **First prize for the Research Paper** entitled "Curcumin loaded Nano-liposomes: optimization of formulation conditions using design of experiment" during APTI - 18th Annual National Convention, Rajahmundry, AP October 25 - 27, 2013.
6. **Dr Srinivas Mutalik**, Department of Pharmaceutics has been awarded with prestigious "**Young Pharmacy Teacher of the Year 2013**" award by Association of Pharmacy Teacher of India (APTI) in 18th APTI National Convention held at Rajahmundry, A P during October 25 - 27, 2013. Dr Mutalik has also received Award for **Research Publication (ARP) by VGST (Vision Group on Science and Technology)**, Department of IT, BT and S&T, Government of Karnataka for the year 2012-13.



7. **Dr Usha Y Nayak**, Department of Pharmaceutics has received **Second prize for the Poster** entitled "Gastro Retentive Pulsative Release Lercanidipine HCL formulations : Development, Evaluation in Vivo Buoyancy and Pharmacokinetic study" during International Humboldt Kolleg on the Bench to Bedside Translational Research Potential Benefits of Interdisciplinary collaboration November 15 - 17, 2013.
8. **Dr C S Shreedhara**, Department of Pharmacognosy has received **1st place** for the poster entitled "Preparation and nanoformulation of Tripala extract and evaluation of its *in vitro* antioxidant and cytotoxic potential" during the World Congress organised by International Society for nature and Health Care Inc , USA during December 16 - 18, 2013.
9. **Mr Madhavan Nampoothiri**, Department of Pharmacology was selected as one of the winners for a travel grant in the category "Awards for investigators from developing

countries in the amount of USD 1000 & free congress registration fee " During XX World Congress on Parkinson's Disease and Related Disorders, Geneva, Switzerland.

10. UGC has nominated **Dr Manthan D Janodia**, Department of Pharmacy Management to visit USA under **300 Roman Fellows for Post Doctoral Studies in USA** under Indo-US 21st Century Knowledge initiative for a period of one year from August 2013.
11. Book release: The 20th publication- "**Exploring Nanotechnology in Healthcare**" edited by Dr N Udupa, was released on 17th October 2013 by Manipal University Press .



12. Dr N Udupa, former Principal MCOPS and present Director of Research (health Sciences), Manipal University and Dr M K Unnikrishnan (Professor and Head, Department of Pharmacy Practice) were awarded the prestigious Dr T M A Pai Endowment Chair for their contribution to academics and research. Under this, meritorious postgraduate students will be able to pursue their doctoral studies.

Research Scholars' related : 6

1. **Mr Prateek Jain**, a Research Scholar of MCOPS was selected to receive a **travel grant from AMGEN** to attend the 2013 AAPS National Biotechnology Conference in San Diego, California during May 20-22, 2013 The travel award consists of \$ 500 00
2. **Mr Uday Venkat Mateti**, Research Scholar of MCOPS was selected as a winner of a "**2013 Student Travel Grant**" for the ISPOR 18th Annual International Meeting during May 18-22, 2013 in New Orleans, LA USA He was awarded complimentary registration and short courses
3. **Ms Pallavi K** (Research Scholar under Dr Srinivas Mutalik) has received **First prize in Poster session** during APTI - 18th Annual National Convention, Rajahmundry, AP October 25- 27, 2013
4. **Mr Sai Balaji** received **Prime Minister's fellowship** for Doctoral Research of Rs 45,800/- per month
5. **Mr Muttu Kumar A, Ms Revathi R Rajappan and Ms Atulya M** received a "Certificate of Appreciation" in connection with poster presentation held on 3rd January 2014
6. **Ms Pallavi K, Mr Jagani Hitesh Vittalbhai** have been selected for the award of "Kundapur Mohan and Lata Bhandarkar's merit -cum-means scholarship for PhD candidates" for the year 2013-14

Alumni related : 5

1. **Dr K V S R G Prasad** an alumnus of Manipal College of Pharmaceutical Sciences (MCOPS), Manipal and Professor, Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati received the Andhra Pradesh State Government award, 2013 for the **Meritorious Teachers** on the Teachers Day September 5, 2013 from Sri Pardhasaradhi, Education Minister, Government of Andhra Pradesh.

2. **Dr Ranjith A Kumar**, an alumnus of MCOPS was conferred with **Outstanding Research Award** at South Dakota University, US.



3. **Dr Thiyaagu**, an alumnus of MCOPS was awarded the prestigious **“Pharma Foundation Yong Investigator Post Doctoral Fellow Award”** for developing and validation of patient-centered monitoring tools for improving meditation adherence in pediatric ADHA: Multi centre study”.
4. One of our alumni, Dr Akhil Hegde is part of a **Research Group at Prestigious Duke University Medical Center**, Durham, NC, USA.
5. **Mr Dinesh Kumar** alumnus of MCOPS received the reputed **1st prize in “2013 Eli Lilly and Company Asia outstanding Thesis Award”** The award consists of USD 1500 and a Lilly Plaque Award ceremony held on December 4, 2013 during J-NOST conference at IISER Bhopal.

14. Dignitaries visited MCOPS and delivered lectures during 2013 : 18

- 1 Dr Prashant Chauhan, Merck Millipore, Merck Specialties PVT Ltd, Bangalore delivered a talk on “Flow cytometry: Principle and its application in Drug Discovery” on January 9, 2013.
- 2 Prof K Elango and Dr K Valliappan visited MCOPS for PCI Inspection of Pharm D and Pharm D – Post Baccalaureate Programmes between January 10 and 12, 2013.
- 3 Dr Julius Anthony Vaz, Global Programme Medical Director, Novartis Healthcare Pvt Ltd, Hyderabad delivered a talk on “Understanding Concepts and Processes in Clinical Drug Development” on January 18, 2013.
- 4 M/S Mylan Laboratories, Hyderabad conducted interview for IV B Pharm students between January 23 and 24, 2013.
- 5 Dr Varsha Bhatt Mehta, Clinical Professor – Pharmacy, Pediatrics and Communicable Diseases, University of Michigan delivered a talk on “Pharmacy Practice in Clinical Community and Hospital Pharmacy in USA” on January 28, 2013.
- 6 Dr Raj P Warriar, former Vice Chancellor of Manipal University delivered the Golden Jubilee Memorial Lecture on “New Therapeutic Approaches” on January 12, 2013.
- 7 Dr Sumio Iijima, the Benjamin Franklin Medalist in Physics and the Discoverer of Carbon Nanotubes interacted with faculty members, research scholars and PG students of MCOPS on February 27, 2013.
- 8 Dr S Chakradhara Rao, alumnus of MCOPS visited and addressed M Pharm students with Fundamentals of Mathematics in Pharmacokinetics on March 18, 2013.

- 9 Dr Chamundeshwari, Principal, Sri Ramachandra College of Pharmacy, Chennai interacted with faculty members and research scholars of MCOPS on March 21, 2013.
- 10 IPA, Manipal Branch organised a guest lecture by Prof Trevor Devas, Guest Faculty, Manipal Group of Institutes on the topic "Entrepreneurship - US Experience - Pharmacy Perspective" on April 13, 2013.
- 11 Dr Sandeep Tiwari, Colorcon, Goa interacted with PG students on April 5, 2013.
- 12 Mr Girish Prabhu, Alumnus (1994 Batch) interacted with faculty and students on April 6, 2013.
- 13 Professor Didier GOSSET, Dean of the Medical Faculty and Prof Eric Boulanger, Vice Dean of Medical Faculty for International Relations and the Vice President of Lille 2 University, France visited MCOPS on April 17, 2013.
- 14 Dr Jyothi Mishra, BIRAC, New Delhi, Dr Amit Misra, Scientist E-II, Division of Pharmaceutics, Central Drug Research Institute, Lucknow and Dr Padma V Devarajan, Head, Department of Pharmaceutical Science and Technology, Indian Institute of Chemical Technology, Mumbai, Expert Committee members from BIRAC, New Delhi visited MCOPS on May 30, 2013.
- 15 Dr Ronald Castelino, Lecturer in Therapeutics and Pharmacy Practice, School of Pharmacy, University of Tasmania, Australia (UTAS) gave a presentation on the research collaboration signed between Manipal University and UTAS during the year 2011 on July 3, 2013.
- 16 Prof Prasad V Bharatam, Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER) interacted with faculty members, research scholars and PG students on November 16, 2013.
- 17 Prof Ajit Shirodkar from Goa interacted with faculty members, research scholars and PG students of MCOPS on November 26, 2013.
- 18 Mr Ramesh Adige, former Chairman of Ranbaxy Laboratories Pvt Ltd, New Delhi and Governing Council members of TAPMI interacted with faculty members, research scholars and PG students on June 25, 2013 and November 30, 2013.

15. Awards for Academic and Professional Excellence for the year 2012-13 :

Distinction Awards :

I B Pharm (29)

Ms Mayura Das, Ms Tanya Sinha, Ms Anusha Ragupathy, Ms Ramakrishnan, Ms Farheen Imtiaz, Ms Shreeya Hegde, Ms Hina Mohamed Iqbal Abdulrehman, Ms Khan Nashat Salim, Mr Fardeen Mohamed Hassan Hussein, Ms Ayesha, Ms Anuradha Rani, Mr Arbind Kumar Mandal, Mr K Karthik Subramanian, Ms Oendrila Das, Ms Pooja Ysaswi 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 Saket Sinha, Mr Harisha S Nayak, Ms Fiona D'silva, Ms Sneha Surendran, Mr Gururaj C Aithal, Ms Reshma Chatterjee, Mr Gopichand L.

II B Pharm (20)

Ms Nidhi Nitin Desai, Ms Sneha Bahadur Devisinh Mahida, Ms Dookhee Nabiihah Begum, Mr Ayush Kumar, Ms Beenaben Bahadursinh Mahida, Ms Insiya Zoher Mukadam, Ms Namita N Shanbhag, 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, Ms Vanshika Deo, Ms Sayantani Kundu, Ms Navya Ajitkumar Bhaskaran, Mr Karan Bhagat.

III B Pharm (35)

Mr Rakesh Kumar Singh, Ms Hita Pankajkumar Bhatt, Mr Rishabh Chugh, Ms Vora Bhavisha, Mr Kumar Gaurav, Ms Pidaparathi Kartika, Ms Karima Dawood, Ms Nileema Lavita D'souza, Ms Purvi Shivji Vekaria, Mr Tasleem Fatema Sajjadali Abdulrasul, Ms Sarma Shreya Balaram, Ms Sanjana Gupta, Ms Daram Apoorva Reddy, Ms Ekta, Mr Shyam Ashok Lakhani, Mr Jovyan Josico D'silva, Ms Khadija Abdulrehman Bhigba, Ms Foram Rajnikant Bhogayata, Ms Meera Rajnikant Bhogayata, Ms Natasha Alnoor Lalani, Ms Samrun Nessa, Mr Nikhil Gulati, Mr Vignesh Kamath B, Ms Madhura Kar, Ms Priyanka Kumari, Mr Avdhesh Kumar, Ms Merry Raphael, Ms Patel Shreya Chandrakant, Ms Eupa Ray, Ms Minu Kumari, Mr Vikash Kumar, Ms Nivedita Sinha, Ms Devina Khandelwal, Ms Krutika, Mr Dhruv Kumar Singh.

I Pharm D (15)

Ms Sangeetha, Ms Rabia Rizwan Dhalla, 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, Ms Reena Joseph Chacko, Mr Keni Raghuvir Alias Varad, Ms Kavitha Elsa Varghese, Ms Addanki Srisowmya, Ms Thiriveedhi Sneha.

II Pharm D (13)

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

III Pharm D (10)

Ms Chekka Lakshmi Manasa Sakuntala, Mr Ashwin Karanam Raghunath, Ms Parvathy R Menon, Ms Nishitha N Prabhu, Ms Jeni Mary Joy, Ms Zoya Ahmed, Ms Janki Raj Chauhan, Ms Treasa Mathews, Ms Nissy Mathew, Mr Pirakala Sravan Kumar Reddy.

IV Pharm D & I Pharm D - Post Bacalaureate (20)

Ms Tasneem Raj, Ms Lida Joseph Kadavil, Ms Anuvrinda Chundururu, Ms Beena Annie Sam, Ms Maddineni Bhumika, Mr Sajjad Sherally Fazel, Mr Seyed Hanif Karimzad, Mr Zainabbas Gulamabbas Ladha, Mr Maddhali Karthik, Mr Anirudh Arun Bhandarkar, Mr Yedavalli Sai Nishanth, Ms Rachana Shetty, Ms Anam Sohail, Ms Beegum Sheena Karim, Ms Krishnamaneni Preethi, Mr Aviral Dube, Ms Divya Ann Maria, Mr Rajiv Kumar, Ms Rupa Shukla, Mr Ajit Singh.

V Pharm D & II Pharm D - Post Bacalaureate (27)

Ms C J Shravya, Mr Sri Sai Kiran Vempati, Ms Cherukuri Harika, Ms Jewel Maria Francis, Ms Rithu Shanavas, Ms Nandita Ragoo, Mr Shravan Suresh Arora, Mr Ajay Mehta, Ms Ruchi Bharat Dalal, Mr Sajidali Bashir Champsi, Mr Bodhisatwa Das, Mr Sanjeet Kumar Singh, Mr Aluri Rama Krishna Chaitanya, Ms Kolli Nivya, Ms Devabhaktuni Rohini, Mr Kanad Deepak, Ms Sahiti Doddapaneni, Ms Varsha A Prabhu, Ms K Pramoda, Mr Shivanshu Awasthi, Mr Rouhollah Faryabi, Mr Patel Chintan Yogeshbhai, Ms Duggirala Nithya, Ms Joice Deena Mathew, Ms Mrunmayee Palaye, Ms Ankita Singh, Mr Shiv Sagar K.

Academic Excellence Awards : 46

B Pharm : 12

1. For standing First in B Pharm First Year for the academic year 2012-13. The award is shared by Ms Mayura Das, Mr Ramakrishnan, Ms Ayesha & Mr K Karthik Subramanian. 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 2012-13. The award is shared by Ms Tanya Sinha & Ms Niraja Narendra Ranadive. 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 2012-13. The award goes to Mr Gopichand L. The awardee has secured a GPA 9.75 out of 10 GPA.
4. For standing First in B Pharm Second Year for the academic year 2012-13. The award goes to Ms Beenaben Bahadursinh Mahida. The awardee has secured a perfect GPA 10 out of 10 GPA.
5. For standing Second in B Pharm Second Year for the academic year 2012-13. The award goes to Ms Dookhee Nabiihah Begum. The awardee has secured a remarkable GPA 9.83 out of 10 GPA.
6. For standing Third in B Pharm Second Year for the academic year 2012-13. The award goes to Ms Modasia Jinita Bhupendra. The awardee has secured a GPA of 9.78 out of 10 GPA.
7. For standing First in B Pharm Third Year for the academic year 2012-13. The award goes to Ms Vora Bhavisha. The awardee has secured an outstanding GPA of 9.96 out of 10 GPA.
8. For standing Second in B Pharm Third Year for the academic year 2012-13. The award is shared by Mr Shyam Ashok Lakhani & Ms Krutika. These awardees have secured a remarkable GPA of 9.81 out of 10 GPA.
9. For standing Third in B Pharm Third Year for the academic year 2012-13. The award goes to Mr Rishabh Chugh. The awardee has secured a GPA of 9.62 out of 10 GPA.
10. For standing First in B Pharm Fourth Year for the academic year 2012-13. The award is shared by Mr Pranjal Gupta & Ms Kumari Surabhi Priyadarshini. These awardees have secured an outstanding GPA of 9.52 out of 10 GPA.
11. For standing Second in B Pharm Fourth Year for the academic year 2012-13. The award goes to Ms Harsha Srivastava. The awardee has secured a remarkable GPA of 9.44 out of 10 GPA.
12. For standing Third in B Pharm Fourth Year for the academic year 2012-13. The award goes to Ms Archana Gopichand Rane. The awardee has secured a GPA of 9.37 out of 10 GPA.

Pharm D : 15

13. For standing First in Pharm D First Year for the academic year 2012-13. The award goes to Ms Hina Anjum. The awardee has secured a brilliant aggregate score of 91%.
14. For standing Second in Pharm D First Year for the academic year 2012-13. The award goes to Mr B Abhishek Shanker. The awardee has secured a good aggregate score of 90%.
15. For standing Third in Pharm D First Year for the academic year 2012-13. The award is shared by Ms Sangeetha & Ms Keertana Badrinath. These awardees have secured an aggregate score of 88%.
16. For standing First in Pharm D Second Year for the academic year 2012-13. The award goes to Ms Meenakshi Srinivasan. The awardee has secured a brilliant aggregate score of 85%.
17. For standing Second in Pharm D Second Year for the academic year 2012-13. The award goes to Ms Srujitha Marupuru. The awardee has secured a good aggregate score of 82%.

18. For standing Third in Pharm D Second Year for the academic year 2012-13. The award goes to Ms Aastha Dubey. The awardee has secured an aggregate score of 81%.
19. For standing First in Pharm D Third Year for the academic year 2012-13. The award goes to Ms Parvathy R Menon. The awardee has secured a brilliant aggregate score of 86%.
20. For standing Second in Pharm D Third Year for the academic year 2012-13. The award is shared by Ms Chekka Lakshmi Manasa Sakuntala. The awardee has secured a good aggregate score of 83%.
21. For standing Third in Pharm D Third Year for the academic year 2012-13. The award goes to Ms Zoya Ahmed. The awardee has secured an aggregate score of 83%.
22. For standing First among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2012-13. The award goes to Ms Beena Annie Sam. The awardee has secured a brilliant aggregate score of 90%.
23. For standing Second among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2012-13. The award goes to Mr Rajiv Kumar. The awardee has secured a good aggregate score of 88%.
24. For standing Third among the students of Pharm D Fourth Year & Pharm D Post Baccalaureate First Year for the academic year 2012-13. The award goes to Ms Tasneem Raj. The awardee has secured an aggregate score of 87%.
25. For standing First among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2012-13. The award goes to Ms Jewel Maria Francis. The awardee has secured a brilliant aggregate score of 86%.
26. For standing Second among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2012-13. The award goes to Ms Ankita Singh. The awardee has secured a good aggregate score of 85%.
27. For standing Third among the students of Pharm D Fifth Year & Pharm D Post Baccalaureate Second Year for the academic year 2012-13. The award goes to Ms C J Shravya. The awardee has secured an aggregate score of 83%.

M Pharm : 19

28. For standing First in M Pharm Part - I Pharmaceutical Chemistry specialisation for the academic year 2012-13. The award goes to Ms Simarjeet Kaur. The awardee has scored an aggregate 78% score.
29. For standing First in M Pharm Part - I Pharmaceutics specialisation for the academic year 2012-13. The award is shared by Mr Nagendra Prabhu B and Vibha V. These awardees have scored an aggregate 82% score.
30. For standing First in M Pharm Part - I Pharmacology specialisation for the academic year 2012-13. The award goes to Ms Sanchari Basu Mallik. The awardee has scored an aggregate 87% score.
31. For standing First in M Pharm Part - I Pharmacognosy specialisation for the academic year 2012-13. The award goes to Ms V Sravanthi. The awardee has scored an aggregate 76% score.
32. For standing First in M Pharm Part - I Pharmaceutical Marketing specialisation for the academic year 2012-13. The award goes to Mr Narayanam S P Bharadwaj. The awardee has scored an aggregate 83% score.

33. For standing First in M Pharm Part - I Pharmaceutical Administration specialisation for the academic year 2012-13. The award goes to Ms Soni Jignakumari Himmatlal. The awardee has scored an aggregate 80% score.
34. For standing First in M Pharm Part - I Pharmacy Practice specialisation for the academic year 2012-13. The award goes to Ms Akriti Kaura. The awardee has scored an aggregate 86% score.
35. For standing First in M Pharm Part - I Pharmaceutical Quality Assurance specialisation for the academic year 2012-13. The award goes to Mr Sai Vijay Mudunuru. The awardee has scored an aggregate 74% score.
36. For standing First in M Pharm Part - I Pharmaceutical Biotechnology specialisation for the academic year 2012-13. The award goes to Ms Rebecca Kristina Edwin. The awardee has scored an aggregate 82% score.
37. For standing First in M Pharm Part - I Drug Regulatory Affairs specialisation for the academic year 2012-13. The award goes to Mr Abhiram V S. The awardee has scored an aggregate 75% score.
38. The Best Outgoing Student of M Pharm - Pharmaceutical Chemistry specialisation for the academic year 2012-13. The award goes to Mr Sreeguru Shyam Devaki. He has scored an aggregate 80% score.
39. The Best Outgoing Student of M Pharm - Pharmaceutics specialisation for the academic year 2012-13. The award goes to Mr Baldha Parinkumar Dhirajlal. He has scored an aggregate 85% score.
40. The Best Outgoing Student of M Pharm - Pharmacology specialisation for the academic year 2012-13 The award goes to Ms Jessy John She has scored an aggregate 88% score
41. The Best Outgoing Student of M Pharm - Pharmacognosy specialisation for the academic year 2012-13 The award goes to Ms Nimmy Kumar She has scored an aggregate 86% score
42. The Best Outgoing Student of M Pharm - Pharmaceutical Marketing specialisation for the academic year 2012-13. The award goes to Mr K Ravi Kumar. He has scored an aggregate 76% score.
43. The Best Outgoing Student of M Pharm - Pharmaceutical Administration specialisation for the academic year 2012-13. The award goes to Mr Soorada Jitendra. He has scored an aggregate 79% score.
44. The Best Outgoing Student of M Pharm - Pharmacy Practice specialisation for the academic year 2012-13. The award goes to Ms Sandra Kurian. She has scored an aggregate 79% score.
45. The Best Outgoing Student of M Pharm - Pharmaceutical Quality Assurance specialisation for the academic year 2012-13. The award goes to Mr Mantha Trilok Chander. He has scored an aggregate 80% score.
46. The Best Outgoing Student of M Pharm - Pharmaceutical Biotechnology specialisation for the academic year 2012-13. The award goes to Mr Anuraag Muralidharan. He has scored an aggregate 82% score.

Endowment Awards : 15

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 2012-13, the award is shared by Ms R Devi & Mr Sahaj Pancholia.

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 Krishnamoorthy, the Second Director of our institution. For the academic year 2012-13, the award goes to Ms R Devi.
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 2012-13, the award goes to Ms Jessy John.
4. Late Prof S Sankarasubramanian Award: For the best performance in Medicinal Chemistry and 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 2012-13, the award is shared by Ms R Devi & Mr Sahaj Pancholia.
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 2012-13, the award is shared by Ms R Devi, Ms Harsha Srivastava, Mr Sahaj Pancholia & Ms Archana Gopichand Rane.
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 2012-13, the award goes to Ms Farida Mufaddal Hassanali.
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 2012-13, the awards go to Ms R Devi.
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 2012-13, the award goes to Ms R Devi.
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 2012-13, the award goes to Ms Sanchari Basu Mallik.
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 2012-13, the award goes to Ms Nimmy Kumar.
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 2012-13, the award goes to Ms Sanchari Basu Mallik.
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 2012-13, the award goes to Mr Narayanam S P Bharadwaj.
13. 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 2012-13, the award goes to Ms K Lakshmi Sravanthi.
14. 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 2012-13, the award goes to Ms R Devi.

15. 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 2012-13, the award goes to Ms Mayura Das, Mr Ramakrishnan, Ms Ayesha, Mr K Karthik Subramanian and Mr Gopichand L.

Alumni Awards : 6

Distinguished Alumni Awardees 2013 :

- Dr Thallam Naga Narayana Rao, Deputy Director, Office of the Drugs Control Administration, Warangal, Andhra Pradesh
- Dr Rahul Gandhi, Associate Director, Dr Reddys Laboratories, Hyderabad
- Dr Mathew George, Principal, Pushpagiri College of Pharmacy, Tiruvalla
- Dr Suvarna G Kini, Associate Professor, Department of Pharmaceutical Chemistry, MCOPS
- Dr Srinivas Mutalik, Associate Professor, Department of Pharmaceutics, MCOPS
- Dr Richard Lobo, Associate Professor, Department of Pharmacognosy, MCOPS

Awards for Excellence in Profession :

Good Teacher Awards :

- 1 Dr Sreedhar R Pai, Professor, Department of Pharmacology, is conferred with the Good Teacher Award for the academic year 2012-13 among the teachers of III and IV year B Pharm programmes.
- 2 Mr R S Jeyaprakash, Assistant Professor - Selection Grade, Department of Pharmaceutical Chemistry, is conferred with the Good Teacher Award for the academic year 2012-13 among the teachers of I and II year B Pharm programmes
- 3 Mr K Vijaya Bhasker, Assistant Professor - Selection Grade, Department of Pharmaceutical Chemistry, is conferred with the Good Teacher Award for the academic year 2012-13 among the teachers of Pharm D programme.

Excellence in Teaching Awards :

1. Dr Manjunath M Setty, Professor, Department of Pharmacognosy, is conferred with the Excellence in Teaching Award for the academic year 2012-13.
2. Dr Sudheer Moorkoth, Associate Professor, Department of Pharmaceutical Quality Assurance, is conferred with the Excellence in Teaching Award for the academic year 2012-13.
3. Dr C S Shreedhara, Professor & HOD, Department of Pharmacognosy, is conferred with the Excellence in Teaching Award for the academic year 2012-13.
4. Mr Venkatesh Kamath, Assistant Professor, Department of Pharmaceutical Biotechnology, is conferred with the Excellence in Teaching Award for the academic year 2012-13.
5. Mr Kanav Khara, Assistant Professor, Department of Pharmacy Practice, is conferred with the Excellence in Teaching Award for the academic year 2012-13.

Good Supporting Staff Award :

- 1 Mrs U Jayashree, Senior Executive, MCOPS, is conferred with Good Supporting Staff Award for the academic year 2012-13.

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 2012-13, the award is conferred on Dr C Mallikarjuna Rao, Principal, MCOPS
2. **Supporting Staff of the Year Award:** For the academic year 2012-13, the award is posthumously conferred on Mr Vasu, House Keeping Staff, Department of Pharmaceutics
3. **Travel/Contingency Grant Award** for Full time Research Scholars of MCOPS : For the academic year 2012-13, the award is shared by Mr Prateek Jain, Ms Pallavi K, Ms Sukriti Nigam.
4. **Annual Best Research Paper Award** in Pharmaceutical Sciences of Manipal University: For the academic year 2012-13, the award goes to Mr Prateek Jain.

16. Expectations /New Ventures:

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. The college will strive to enhance the student satisfaction and to admit quality students at every level. More collaboration with other foreign universities, research institutes and industries will be tried and pursued.

17. Gratitude :

We wish to express our sincere gratitude to the following dignitaries:

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, Dr Surendra V Shetty
 6. Registrar Dr G K Prabhu
- for their continuous support, advice and guidance

We also wish to express our gratitude to Mr Michael Sreshta, Mr Ravi Kant Yadav (Alumni of MCOPS) and Dr Krishnamurthy Bhat (faculty) who have started Endowment Funds during the year

18. Obituary :

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

1. Mr Kafeel Ahmed Khan (M Pharm - Pharmacology) Alumnus of MCOPS passed away on August 2, 2013 .



2. Mr Vasu, House Keeping Staff, Department of Pharmaceutics, MCOPS passed away on December 5, 2013.



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

We hope to bring out a better Annual Report in 2014-15.

Thank you