



# Newspill

Monthly once

## VGST, Government of Karnataka Award for Research Publications in Pharmacy conferred to Dr Usha Y Nayak

Dr Usha Y Nayak, Additional Professor in the Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, received **Award for Research Publications (ARP) in Pharmacy for 2021-22** from **Vision Group on Science and Technology (VGST)**, Government of Karnataka. The award is given to outstanding researchers and faculty who have published their research in reputed peer-reviewed scientific journals.

Dr Nayak is working in the area of nanoparticulate controlled drug delivery, QbD, molecular modeling, and computational simulation. She has published 116 research papers in reputed journals and has a Scopus h-index of 26. She has received various research grants from industries and government funding agencies and guided 07 PhD students.

MCOPS congratulates Dr Usha Y Nayak and wishes her good luck in future endeavors!!!



## Patent Granted to Researchers of MCOPS, MAHE, Manipal



An Indian patent is granted to researchers of Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education by the Indian Patent Office for the invention titled **"Nanocrystals of Naringin and its Preparation"** (Year of filing: 2014, Date of Grant: 29/12/2022, Patent number: 415930). **Dr Kranti M** (Research Scholar) **Dr Prashant M** (QA-Corporate Manager, Wockhardt Limited) **Dr Virendra S Ligade** (Associate Professor, Dept. of Pharmaceutical Regulatory Affairs and Management, MCOPS) and **Dr N Udupa** (Former, Director-Research (Health Sciences), MAHE) are the inventors.

## MCOPS Diamond Jubilee Commemorative Workshop on “Update on Pharmaceutical Manufacturing and Management”

01 April 2023 : MCOPS Diamond Jubilee Commemorative workshop “Update on Pharmaceutical Manufacturing and Management” was organized by the Centre for Drug Delivery Technologies and the Centre for Drug Testing, Manipal College of Pharmaceutical Sciences, MAHE, Manipal on 01 April 2023 at Prof. P Gundu Rao Conference Hall, MCOPS.

Dr C Mallikarjuna Rao, Principal, MCOPS delivered the opening remarks. He highlighted the need for upgrading the knowledge on manufacturing and quality control of pharmaceuticals. Dr Prasanna Sagar, Director, ITAAN Pharma Pvt. Ltd., Hyderabad shared his valuable experience on the journey of Drug Product Development to Life Cycle Management Stage. He also trained the participants on recent regulatory considerations in the drug product development. Dr Raghunandan Shurpali, Assistant General Manager, QA, Gland Pharma, Hyderabad delivered the sessions on Quality Management System and Pharma Manufacturing: Quality Assurance Perspective.

Dr Srinivas Mutalik, Coordinator, Centre for Drug Delivery Technologies, Professor & Head, Dept. of Pharmaceutics, Dr. Usha Y Nayak, Coordinator, Centre for Drug Testing, Additional Professor, Dept. of Pharmaceutics and Dr. Krishnamurthy Bhat, Vice-Principal, MCOPS were present during the program. The program concluded by distributing the certificates to the delegates by Dr Gautham Shenoy G, Professor, Dept. of Pharmaceutical Chemistry, MCOPS, Manipal. About 90 delegates from various colleges across Karnataka were benefited from this workshop. Faculty members and research scholars of MCOPS also attended this program. Mr Ajinkya Nikam, Research Scholar, Dept. of Pharmaceutics coordinated the program.



## MCOPS Diamond Jubilee Commemorative Mini-Workshop on MCQs in MCQs by Dr K Ramnarayan

26 March 2023: MCOPS Diamond Jubilee Commemorative Mini-Workshop on **MCQs in MCQs** by Dr K Ramnarayan, Pro Chancellor, Sikkim Manipal University was held on 26 March 2023 at 03:00 pm in PGR conference hall, MCOPS. The esteemed speaker was introduced by Dr C Mallikarjuna Rao, Principal, MCOPS. Dr K Ramnarayan was the fifth Vice Chancellor of Manipal Academy of Higher Education (MAHE) from 2010 to 2015. Post his tenure as VC of MAHE, he became the Vice President, Faculty Development, Manipal Academy of Higher Education (MAHE) and Chairperson, Manipal University Jaipur

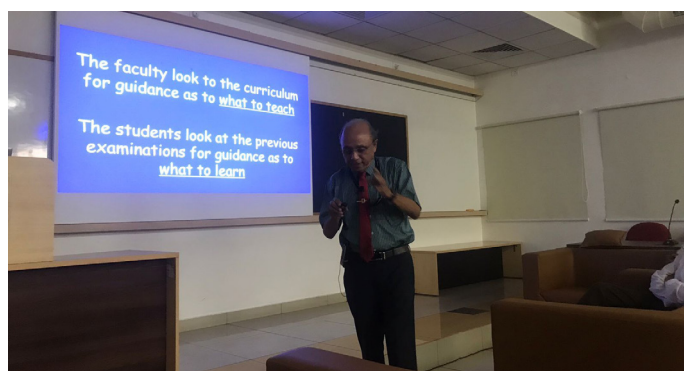
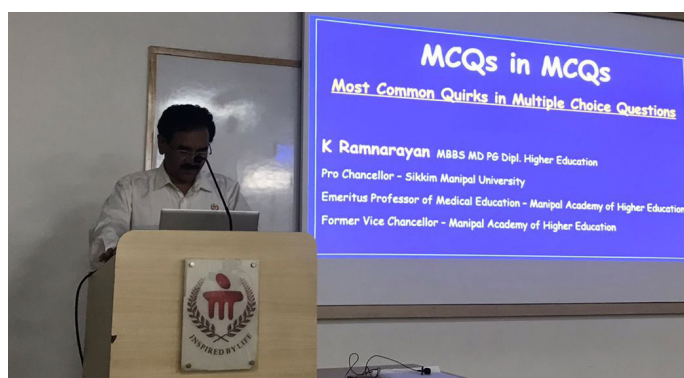


followed by shouldering the responsibility as Pro Chancellor-Sikkim Manipal University. In addition, he is the National Coordinator DTH (Direct to Home) of SWAYAM PRABHA for Medicine Content Development.

Dr Ramnarayan has been with the Manipal group for over four decades in different academic and leadership positions. His experience and expertise are in higher education, academic leadership and curriculum development. During his stint as the Vice Chancellor of MAHE, the focus was on strengthening the academic processes in the university, be it the functioning of the Senate and the Board of Studies or the enrichment of the curriculum. Various people empowerment initiatives were launched such as SMILE (Synergic Manipal Integrated Leadership Engagement) programme to nurture future leaders by conducting leadership programmes for the Heads of Institutions and Heads of the Departments. As the first Chairman of the Manipal Education System Vice Chancellors' Council (MESVCC), he created a vibrant forum for inter-campus deliberations and set in place the norms for sharing the best practices among the Manipal group of institutions. He has conducted Pedagogic and Personal Effectiveness workshops for faculty in the Manipal group campuses in Jaipur, Sikkim, Melaka and Dubai, apart from those for the Indian Society of Periodontology and the National Institute for Advanced Studies in Architecture. Over the past 30 years, he has conducted over 600 faculty development workshops, nationally and internationally. He was a member of the UGC Expert Committee to review regulations for deemed universities and private universities. During his speech, Dr Rao also shared his experience as a young faculty member attending the pedagogy sessions conducted by Dr Ramnarayan.

Dr Ramnarayan began with explaining the fundamentals of assessment and pointed out that what drives learning is "Assessment" thus rendering assessment/ evaluation an important part of the curriculum. Dr Ramnarayan elaborated on objective and subjective types of assessments with examples. Different MCQ types such as A, B and K were discussed with examples for A type. A good MCQ will have 'Item' which contains **stem** and **responses** (options); **Stem** implies properly

framed question, and responses include **effective distractors** and **one correct answer**. He also gave examples for plausible distractors and dummy distractors. He distributed handouts which included example of a properly framed MCQ with stem and responses, & checklist for reviewing MCQ items. He discussed main 10 quirks in MCQs with excellent examples. He mentioned that the three ingredients for success in MCQ preparation, are usage of standard format, precise & concise wording and collaboration in authorship. The session was highly interactive and Dr Ramnarayan addressed all the question and doubts raised by the faculty members and research scholars. The program concluded with the felicitation of the esteemed speaker by AVM (Dr) Dilip Chandra Agarwal, Dean of Manipal College of Medical Sciences (MCOMS) Nepal and the CEO Manipal Education and Medical Group (MEMG), Nepal, Dr C Mallikarjuna Rao, Principal, MCOPS and Dr Krishnamurthy Bhat, Vice Principal, MCOPS.



## Memoirs...

I am away from MCOPS since 16 September 2009, still and forever I am proud to be an integral part of the MCOPS. I joined MCOPS in 1984 as Assistant Professor under the leadership of Prof P Gundu Rao as Principal and Prof A Krishna Rao as Dean of KMC. The leadership of both of these stalwarts as disciplined resources of knowledge imparters, shaped my career. I was fortunate to have companionship of Prof M N A Rao, Prof A R Bhat, Prof M A Iyengar, Prof K K Sreenivasan, Prof G K Pillai, Prof C V S Subrahmaniam and Prof J V



Rao. Even during eighties, MCOPS was the best college of Pharmacy in India for B Pharm degree qualification due to its total quality. It was Prof P Gundu Rao's vision to commence Master of Pharmacy programme in the late eighties

with 2 seats in each of the four main discipline (Pharmaceutics, Pharmacology, Pharmaceutical Sciences and Pharmacognosy) which became a leap forward in the quality of pharmacy education.

But the actual acceleration in research in then established standard centre of Pharmacy discipline at MCOPS was clearly visible after the joining of Prof N Udupa which had no boundaries whether it was commencing master program in different discipline of Pharmacy with optimal number of intakes or research and continuing till date. I was fortunate to be the first PhD student of Prof Udupa. The rest of the story is evident from the present status of MCOPS as a centre of Pharmacy education and research under the able leadership of my colleague and friend Prof C Mallikarjuna Rao.

I also want to mention the contribution of my student, colleague, and friend late Prof M Sreenivasa Reddy for his tireless 24x7 dedication to MCOPS.

The demonstrated policy of MCOPS to believe in its own product is evident today as majority of human resources sharing their knowledge, skills and

attitude are MCOPS products. To mention a few are Prof C Mallikarjun Rao, Prof Gautam Shenoy, Prof Srinivas Mutalik, Dr Usha, Dr Mahalaxmi and so on.

Whatever I am today, is because of MCOPS and hence, I am inseparable to MCOPS in this birth. I pray to ALL MIGHTY for ever lasting life to MCOPS.

**Dr Sureshwar Pandey**

Professor and Director

School of Pharmacy

The University of West Indies

## Elite Alumni Column

I am delightfully happy to be an alumnus of Manipal College of Pharmaceutical Sciences and it is very nice to see Manipal transforming into an international educational hub offering various courses across the field and maintaining its position globally. The most interesting fact about this institution is that it always remain ahead of the time to deliver quality professionals in the respective fields.

I pursued my Graduation and Post-Graduation from MCOPS way back in 2000, however, Manipal



always resonates in me every day. When I roll back to the college time, it really gives me goose bumps remembering our professors, their personalities, discipline and the way of teaching the fundamental science.

I always respect them and maintain respectful fear when I encounter them even today for the contribution they have rendered in my life.

Apart from quality of education, MCOPS exposed us to good infrastructure and diverse ethnicity (owing to enrollment of student across the globe) which helped in personality development, access to the vast variety of international journals inspiring us for innovative thinking and moreover, there were immense opportunities for sports, arts, entertainment, physical fitness etc.

Personally, from my college days I am blessed with group of good friends which makes me wealthiest in this universe and we always try to be in touch whenever we get a chance. Recent example was our silver jubilee reunion of 1993 batch where we had almost half the classmates from across India and abroad attending this program. This was a well-organized two-day program and we got a chance to see the transformed Manipal. Additionally, our batch was fortunate to support World's first ever "Digital Museum on Pharmaceutical Quality" involving real life examples of the pharmaceutical manufacturing defects or market complaints with remedial measures. This is an exhaustive project which will help entire pharmaceutical fraternity.

Today, large share of credit for whatever I am in the professional field certainly goes to MCOPS, so I humbly remain indebted to the contributions in shaping me professionally and personally. My association with the college would continue as a MAHE approved visiting faculty, an industrial guide to a PhD scholars and I am always available as a guest speaker to share the industrial knowledge during any symposiums/conferences. I sincerely thank Manipal College of Pharmaceutical Sciences for setting the foundation in my life to explore in the professional field.

**Dr. Raveendra Pai**

Senior Vice President - Formulations Development  
Glenmark Pharmaceuticals Limited

## Other Activities...

### ENTER-PRIZE & INNOVATE '23

16 to 18 February 2023 : MAPS, the Student Council of MCOPS, MAHE organized "ENTER-PRIZE & INNOVATE '23", an entrepreneurship and innovation fest, under the aegis of "Council for Exemplary Research and Innovation", MCOPS, during 16 to 18 February 2023 at MCOPS, MAHE, Manipal. The inauguration was graced by the eminent presence of **Dr Raviraja N S** (Director, Corporate Relations & Professor and Coordinator, Manipal Centre for Biotherapeutics Research, MAHE), **Dr C Mallikarjuna Rao** (Principal,

MCOPS, MAHE), **Dr K M Bhat**, (Vice Principal, MCOPS, MAHE) and **Dr Srinivas Mutalik** (Head, Department of Pharmaceutics and Secretary, Council for Exemplary Research and Innovation, MCOPS, MAHE). Around 230 students from across various institutions of MAHE registered for the event. Dr Raviraja N S delivered the keynote address on "Nurturing Entrepreneurship and Innovation" The events conducted under the umbrella of Enter-Prize & Innovate '23 were **PITCHERS, CORPORATE CONUNDRUM, WORKSHOP, EX-QUIZ-IT and PRICE IS RIGHT**.

ENTERPRIZE & INNOVATE '23 has set a benchmark and helped to inculcate the importance of entrepreneurship and innovation culture among all the students. **Dr Virendra S Ligade**, Associate Professor, Department of Pharmaceutical Regulatory Affairs and Management, MCOPS, MAHE was the faculty coordinator who supervised the whole event.





### Mr Ajinkya N Nikam received the Best PhD Poster and Best Oral Presentation at MRC 2023

14 April 2023: **Mr Ajinkya N Nikam**, Research Scholar, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS), received the **Best PhD Poster and Best Oral Presentation Award** (MAHE PhD Thesis Competition) for the study "Development and evaluation of novel topical formulation containing an anti-cancer drug for the treatment of Skin Cancer" at Manipal Research Colloquium-2023 (MRC-2023) held at Manipal Academy of Higher Education (MAHE), Manipal on 12-14 April, 2023.



The MRC-2023 was organized by the MAHE Student Research Forum (MAHE-SRF) under the aegis of the Directorate of Research (DoR), MAHE, Manipal. Mr Ajinkya is pursuing PhD under the guidance of **Dr Srinivas Mutalik**, Professor and Head, Department of Pharmaceutics, MCOPS, MAHE, Manipal.

### Ms Varalakshmi Velagacherla Bags Prizes in Research Poster Competitions

12-14 April 2023: Ms **Varalakshmi Velagacherla**, Research Scholar, Dept. of Pharmaceutics, MCOPS, MAHE, Manipal secured **second prize in e-poster presentation competition** held at



Drug Delivery Symposium (DDS) 2023 organized by NGSM Institute of Pharmaceutical Sciences, Nitte (DU), Mangaluru during 12-13 April 2023. She presented her paper entitled "Self-assembled Nintedanib synergistic hybrid micelles- A targeted delivery to treat idiopathic pulmonary fibrosis", under the guidance of Dr Usha Y Nayak, Additional Professor, Dept. of Pharmaceutics, MCOPS, MAHE, Manipal. She also received **Best Poster Award** for her PhD work "Formulation Development of Nintedanib Nanocarriers for the Treatment of idiopathic pulmonary fibrosis" in PhD poster presentation competition at Manipal Research Colloquium organized by Centre for Doctoral Studies, Directorate Research, MAHE, Manipal held between 12 -14 April, 2023. Ms Varalakshmi is pursuing her PhD under the guidance of Dr Usha Y Nayak, Additional Professor, Dept. of Pharmaceutics, MCOPS MAHE, Manipal.



### MCOPS's vibrant participation in UTSAV 2023

The Cultural Coordination Committee (CCC) of the Manipal Academy of Higher Education (MAHE) hosted the Annual Inter-Collegiate Cultural Festival of MAHE, and the most prominent cultural fest for all constituent units of MAHE, UTSAV 2023, during 10 to 14 April 2023 at Manipal. More than 20 institutions affiliated to MAHE across and outside India participated in this event. Students and faculty members of Manipal College of Pharmaceutical Sciences, MAHE, Manipal, participated in the event with great enthusiasm. Team MCOPS won 13 prizes and bagged 4<sup>th</sup> position among all the institutions which took part in the event.



Staff Variety Entertainment Team



Mime



Clay Modelling



Mad Ads



Eastern Dance Solo



Fashion Show

## Upcoming Events

**09 May 2023** : MCOPS Diamond Jubilee Celebrations Lecture Series; Lecture by Dr V P Sharma, Chief scientist and Prof AcSIR, CSIR-Indian Institute of Toxicology Research, Lucknow

**27 May 2023** : Workshop by I2C for Research Scholars

**29 May 2023** : MCOPS Diamond Jubilee Commemorative Workshop by Manipal Schrodinger Centre for Molecular Simulations

## Editorial Team

**Newspill-May 2023 Editorial Team**

Chairman: Dr C Mallikarjuna Rao

Co-chairman : Dr Krishnamurthy Bhat

Editor-in-chief: Dr Angel Treasa Alex

Associate Editor: Ms Athira R Nair



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