



**MANIPAL**  
ACADEMY of HIGHER EDUCATION  
*(Institution of Eminence Deemed to be University)*

MAHE Research Bulletin

July – September 2022



# Directorate of Research – MAHE, Manipal

In alignment with the vision of MAHE, the Directorate of Research facilitates and supports the research activities of MAHE. It aims at nurturing and promoting the research of global standards.

## Vision:

To nurture and promote research activities of global standards.

## Mission:

“To facilitate and contribute to research in all disciplines, thereby improving yield in terms of grants, research innovation, intellectual property, and publications.”

## Objectives:

- To identify research priorities and initiate programs.
- To seek research grants and promote focused research of national importance.
- To foster new collaborations and strengthen existing ones.
- To disseminate research findings in high-impact publications.
- To provide logistics for researchers to implement ideas.
- To support IP-related activities and Technology Transfer.

# INDEX

## **Part I**

- A. MAHE Research Data Network Visualization: Top Collaborating Countries
- B. Info-graph of Research Activities during the period July – September 2022
- C. Top publications for the period July – September 2022
- D. Patents filed during the period July – September 2022
- E. Grants Office, Directorate of Research, MAHE, Manipal

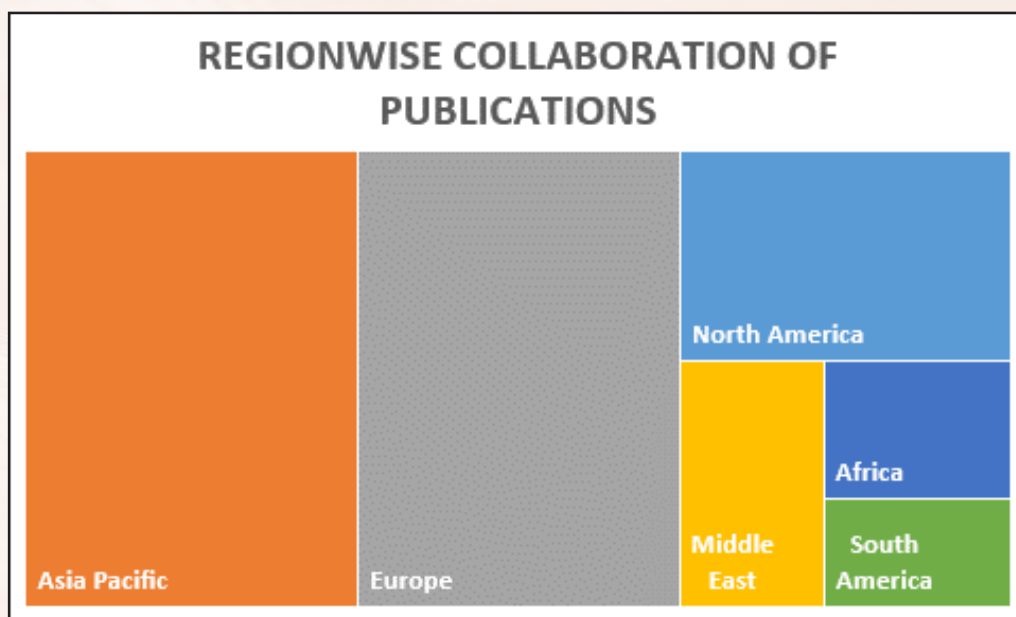
## **Part II**

- A. Featured Researcher of MAHE
- B. Faculty and Institution Achievements
- C. Achievements by Research Scholars and Students

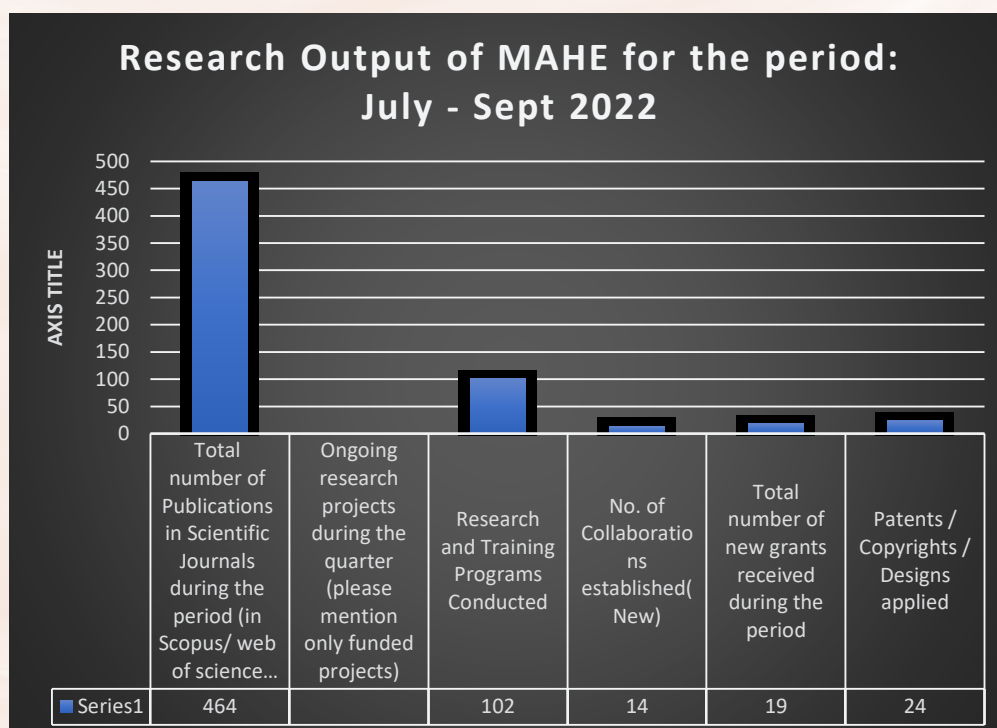
## **D. Part III**

MAHE Student's Research Forum (MAHE-SRF) – Activities for the period of July – September 2022

## A. MAHE Research Data Network Visualization: Collaborating Regions



## B. Info-graph of Research Activities during the period July – September 2022



b. Total number of publications in Scientific Journals (Scopus/Web of Science - JCR Listed) indexed

Serial No	Name of the Institution	Total number of Publications in Scientific Journals during the period (in Scopus/web of science indexed)	Ongoing research projects during the quarter (please mention only funded projects)	Research and Training Programs Conducted	No. of Collaborations established (New)	Total number of new grants received during the period	Patents / Copyrights/ Designs applied
1	T A Pai Management Institute, Manipal			7	NA	NA	24
2	Manipal School of Life Sciences, Manipal			16			
3	Manipal College of Pharmaceutical Sciences, Manipal			3	1	NIL	
4	Manipal College of Dental Sciences, Mangaluru			20	NIL	1	
5	Manipal College of Nursing, Manipal			1	1	0	
6	Manipal College of Dental Sciences, Manipal			4	1	4	
7	Kasturba Medical College, Manipal			22	4	3	
8	Manipal Institute of Technology, Manipal			5	2	6	
9	Manipal College of Health Professions, Manipal			NIL	1	NIL	
10	Manipal School of Architecture and Planning, Manipal			10	1	2	
11	Manipal Centre for Natural Sciences, Manipal			Nil	1	1	
12	Manipal Centre for Humanities, Manipal			2	NIL	1	
13	Kasturba Medical College, Mangaluru			8	1	NIL	
14	Manipal Centre for Biotherapeutics Research (MCBR), Manipal			NIL	1	NIL	
15	Manipal Tata Medical College, Jamshedpur			4	0	1	
	<b>Total</b>			<b>102</b>	<b>14</b>	<b>19</b>	

### C. Top publications for the period July – September 2022

Serial No	Title of The Publication	Author Name	Institution	Name of the Journal	Month and Year of Publication	Quartile On Incentive/ percentile
1	Effect of Natural Fibre-epoxy Plies on the Mechanical and Shock Wave Impact Response of Fibre Metal Laminates	Mr Anand Pai	Manipal Institute of Technology, Manipal	Engineered Science	September 2022	99
2	A novel cascaded fractional fuzzy approach for control of the fermentation process	Dr Vijay Mohan	Manipal Institute of Technology, Manipal	Bioresource Technology	August 2022	98
3	Adsorptive removal of Acid Blue 113 using hydroxyapatite nanoadsorbents synthesized using Peltophorum pterocarpum pod extract	Hriday Sodhani	Manipal Institute of Technology	Chemosphere	July 2022	97
4	Adsorptive removal of AB113 dye using green synthesized hydroxyapatite/ magnetite nanocomposite	Shraddha Pai	Manipal Institute of Technology	Environmental Research	July 2022	97
5	Self-moisturizing contact lens employing capillary flow	Aravind M	Department of Atomic and Molecular Physics	Additive Manufacturing	July 2022	97
6	Seasonal variations in the abundance and distribution of microplastic particles in the surface waters of a Southern Indian Lake	Dr Anish Kumar Warriar	Manipal Institute of Technology, Manipal	Chemosphere	August 2022	97

Serial No	Title of The Publication	Author Name	Institution	Name of the Journal	Month and Year of Publication	Quartile On Incentive/percentile
7	Hidden problems in geological heritage sites: The microplastic issue on Saint Mary's Island, India, Southeast Arabian Sea	Rizwan Khaleel	Department of Sciences	Marine Pollution Bulletin	September 2022	97
8	Organic quantum dots: An ultrasmall nanopatform for cancer theranostics	Dr Dhas Namdev Laxmanrao	Manipal College of Pharmaceutical Sciences, Manipal	Journal of Controlled Release	August 2022	97
9	Performance and emissions of biodiesel engine with hydrogen peroxide emulsification and cerium oxide (CeO <sub>2</sub> ) nanoparticle additives	Sooraj Mohan	Manipal Institute of Technology	Fuel	July 2022	95
10	Experimental investigation on the performance of helical milling for hole processing in AZ31 magnesium alloy	Justin Aral Gonsalves	Manipal Institute of Technology, Manipal	Journal of King Saud University, Engineering Sciences	July 2022	95



#### **D. Patents filed during the period July – September 2022**

Sivayazi Kappagantula, Assistant Professor, Department of Mechatronics Engineering, Manipal Institute of Technology, Manipal, Asha C S, Assistant Professor, Department of Mechatronics Engineering, Manipal Institute of Technology, Manipal, Pooja Nag, Assistant Professor - Senior Scale, Mechatronics Engineering, Manipal Institute of Technology, Manipal, Jeane Marina D'Souza, Assistant Professor - Senior Scale, Mechatronics Engineering, Manipal Institute of Technology, Manipal, Neehal Sharrma, Darren Alton D'Souza, Sagar Shenoy, Pranesh G, Shishir Kumar M have been granted a patent titled "APPARATUS FOR HARVESTING AND SPRAYING PESTICIDES ON CROP ITEMS".

1. Narasimhan S, Associate Professor, Department of Biotechnology, Manipal Institute of Technology, Manipal, Amrutharaj H Krishnan, Professor, Department of Media Technology, Manipal Institute of Technology, Manipal, Swathi Pai, Shetty Shloka Sachin, Nivedita Singh, Asha Srinivasa Pai, have been granted a patent titled "GREEN METHOD FOR PRODUCING NATURAL COLORANTS FROM PLANT BASED MATERIALS".
2. Meenal Francis, Senior Grade Lecturer, Department of Regenerative Medicine, Manipal Institute of Regenerative Medicine, Bengaluru, and Anujith Kumar, Associate Professor, Department of Regenerative Medicine, Manipal Institute of Regenerative Medicine, Bengaluru have been granted a patent titled "METHOD OF APPLYING INHIBITORS".
3. Lalit Kumar, Assistant Professor - Selection Grade, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal, Salwa have been granted a patent titled "A DISSOLVING MICRO-NEEDLE ARRAY COMPRISING REMDESIVIR LOADED NANOSTRUCTURED LIPID CARRIERS AND A METHOD FOR PREPARING THEREOF".
4. Krishnananda Prabhu R V, Professor, Kasturba Medical College, Manipal have been granted a patent titled "APPARATUS AND METHOD FOR DRYING GARMENTS".
5. Sajjan Daniel George, Professor, Department of Atomic and Molecular Physics, Aravind M, and Alina Peethan have been granted a patent titled "A UNIVERSAL METHOD FOR CREATING A NON-ADHESIVE COATING AND USES THEREOF".
6. Shreelaxmi Prashant, Associate Professor, Department of Civil Engineering, Manipal Institute of Technology, Manipal, Poornachandra Pandit, Assistant Professor - Senior Scale, Department of Civil Engineering, Manipal Institute of Technology, Manipal, Arun Kumar Y M, Assistant Professor - Senior Scale, Department of Civil Engineering, Manipal Institute of Technology, Manipal, Gana G S, Pooja K, have been granted a patent titled "COMPOSITION AND METHOD FOR ENHANCING STRUCTURAL STABILITY OF MASONRY CONSTRUCTION".
7. V K Unnikrishnan, Associate Professor, Department of Atomic and Molecular Physics, Chidangil Santhosh, Professor, Department of Atomic and Molecular Physics, V S Dhanada, K M Muhammed Shameem, Tamboli Maktumsen, Kartha V B, have been granted a patent titled "A SYSTEM FACILITATING CHARACTERIZATION OF MATERIALS AND A METHOD THEREOF".
8. Pramod Balwantrao Salunkhe, Associate Professor, Department of Aeronautical and Automobile Engineering, Gautham A Amin, Chandrakant KIN have been granted a patent titled "PASSIVELY CONTROLLED AXIAL FLOW COMPRESSOR".
9. KUMA Lalit, Bhaskaran Navya Ajitkumar, Jitta Srinivas Reddy, and Salwa have been granted a patent titled "AN ORAL FORMULATION FOR CANCER AND METHOD OF SYNTHESIS THEREOF".



10. Rekha Raghuveer Shenoy, Associate Professor, Department of Pharmacology, Manipal College of Pharmaceutical Sciences, Manipal, K B Koteshwara, Professor, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal, C Mallikarjuna Rao, Professor, Manipal College of Pharmaceutical Sciences, Manipal, Farmiza Begum, K Nandakumar, Muralidhar Pisay, Salwa have been granted a patent titled "DEHYDROZINGERONE GEL FORMULATION, AND A METHOD FOR PREPARING THE SAME".
11. Suresh D Kulkarni, Associate Professor, Department of Atomic and Molecular Physics, Khoobaram S Choudhari, Assistant Professor - Senior Scale, Department of Atomic and Molecular Physics, Karan Mohan Menon, Antony Dasint Lopic, have been granted a patent titled "SOLAR-PHOTOCATALYST FOR DECONTAMINATION OF WATER, AND A METHOD FOR PREPARING THE SAME".
12. Kshama Vishwakarma, Associate Professor, Department of Food and Beverage Production, Welcomgroup Graduate School of Hotel Administration, Manipal, Anusha Pai, Assistant Professor - Selection Grade, Housekeeping, Welcomgroup Graduate School of Hotel Administration, Manipal, Swathi Acharya, Assistant Professor - Senior Scale, Dietetics and Applied Nutrition, Welcomgroup Graduate School of Hotel Administration, Manipal, Asha Kamath, Professor, Data Science, Prasanna School of Public Health, Manipal have been granted a patent titled "FOOD FORMULATION USING HOMEMADE NUTRITIONAL MIXTURE".
13. Abhilash Dey, Peralam Yegneswaran Prakash has been granted a patent titled "A METHOD FOR MUCORALEAN FUNGAL METALLOPHORE DETECTION USING FILTER-PAPERS IMPREGNATED WITH CAS COMPLEX".
14. Krishnananda Prabhu R V, Professor, Kasturba Medical College, Manipal have been granted a patent titled "AIR PRESSURE-BASED GRASS CUTTING MACHINE".

### **E. Grants Office, Directorate of Research, MAHE, Manipal**

At the Directorate of Research (DoR), MAHE, the entire grant management lifecycle, from pre-award planning to the post-award reporting stage, presents itself as a difficult but desirable method designed to produce the best results. It is challenging, especially for early career researchers with the grant application process. However, with the appropriate tools at hand, proactive management, and a helpful workflow in place, one may successfully handle any challenging research program. Our objective at DoR is to facilitate the smooth administration of projects by complying with the funding body and MAHE policy and to increase research funding by creating more opportunities. We keep track of the receipt of funds and their utilization to help the researcher in reporting stage. As a result, through its distinctive award stages, the grant administration process continuously improves and actualizes several lifetime obligations.

To make the process of pre-award planning the final reporting (i.e., identifying, applying, and managing the external research grants without undue administrative delays), the administration of the MAHE has set up the Grants Office (GO) centrally at the DoR. The Grants Office is managed by a Grants Coordinator (GC). At the GO, we work to enhance the quality and quantity of research funding while assisting academics and research scholars in improving the research outcomes at MAHE.

In tandem with the objective, we are constantly updating information regarding grants and funding calls which can be accessed through Funding Institutional, Grants Management Portal and Research Management System (RMS) to assist faculty and researchers in identifying new open calls, meeting deadlines and making the application process simple by providing all required documents at one click, as well as any project related help and guidance from the Mentor Board. Additionally, the Grants

Coordinator (GC) will serve as the applicant's single point of contact for all essential discussions about Finance, Legal, and HR. The GC will be serving as the liaison officer between the organization and the funders.

We have 209 ongoing projects funded by various private and government agencies in various areas of research until 30 September 2022. The ongoing project consists of research grants, fellowships and SEED funding etc.

At MAHE for academic and faculty research, entering project details in RMS is mandatory when applying for a new grant in order to generate a UTN number for proposal submission. Updating the project status (funded/rejected) in the RMS portal is the responsibility of the Principal Investigator as per the sanction/rejection letter from the concerned funding agency.

The Grants Management Portal has been updated, and you can now access all calls for proposals, travel grants, workshops and training, SEED funds, fellowships and other conference grants information by visiting this link: <http://muportal/GrantsDetails.aspx>

Note: From now on, the Directorate of Research should receive any paperwork that needs to be signed by the Registrar in connection with applications for research grants. Send an email of the document to be signed by the registrar to [grants.mu@manipal.edu](mailto:grants.mu@manipal.edu) in word format.

**Contact Details:**

Mr Royal Monteiro, Coordinator - Grants Office, MAHE, Manipal.

Email: [grants.mu@manipal.edu](mailto:grants.mu@manipal.edu)

Phone: 0820-29-37733



### A. Featured Researcher of MAHE



#### **Dr Jagadish Rao Padubidri**

MBBS, MD, DNB (FM), MNAMS, MBA (HCS), PGDCFS,  
Diploma Cyber Law, PGCTM.

Dr Jagadish Rao Padubidri is an Associate Professor in the Department of Forensic Medicine and Toxicology, Kasturba Medical College, Mangaluru and a District Medicolegal Consultant to the Government Wenlock District Hospital, Mangaluru. His core research area is Legal aspects related to the human body, Forensic Pathology, Forensic Anthropology, Forensic Odontology and Forensic Toxicology. And out of the box, he developed a special interest in public health through his collaborative network globally and achieved numerous publications in public health and forensic-related issues.

Dr Jagadish Rao started his early research in Forensic Anthropology by taking a very innovative and novel project “Estimation of Stature using Cranial Sutures”, which was published in the International Journal of Legal Medicine (Springer). In the initial days of post-MD, doing research and publications was a roller coaster for him in the very limited scope of his branch. He started his journey by publishing short articles, letter to the editor and case reports. After a lot of rejections, he learnt the art of analyzing and writing manuscripts, which boosted his confidence and made him publish a good number of reviews and original research articles in high-impact journals, since then he never stopped his journey of publishing articles. He has guided numerous Indian Council of Medical Research (ICMR) student research projects, where the students have presented their papers at the International Forum (ISCOMS), Netherlands.

Dr Jagadish Rao has 124 publications in Scopus and 10,029 citations with an h-index of 27. With research support from MAHE, he has presented various scientific articles at International professional gatherings held in Penang-Malaysia, Singapore, Thailand, Cairo-Egypt, Tasmania-Australia, Hauge-Netherlands, Colombo-Sri Lanka, Dubai, Wuhan-China, Saint Petersburg-Russia and Fukuoka-Japan. He was awarded a travel grant by Université Jean Moulin Lyon 3, Lyon University at Lyon, France to deliver a lecture at the 2nd Indo-French International Forensic and Medical Law congress in Lyon, France. Added to this he has co-authored “Atlas of Forensic Pathology” by Jaypee publishers, “Textbook of Forensic Medicine and Toxicology by V V Pillay, “Forensic Analysis, From Death to Justice” by Intech publishers, Croatia.

Dr Rao’s message to the young budding researchers is, 3D (Devotion, Dedication and Determination) and patience in getting their work published. Now is the era of good teamwork, communication, and collaborative research. The researcher in his/her younger days should involve in inter-institutional and inter-university collaborations with their peer group, which is the essence of success in future research and publications. The next generation will be evidence-based and research-oriented publications, hence the main mantra for young researchers should be “Publish or Perish”.

In Dr Rao's opinion, research and publications are like the arteries and veins of any progressive institution. If research is done with compulsion, no doubt the number of publications will increase without regard for quality. Hence scientific writing and publication can be escalated by conducting a series of professional development training for researchers. A vibrant student research forum with international exchange programs and collaborative research will motivate the students in future to take research as their career and flourish.

Dr Jagadish Rao is a resource person for the ongoing certificate course in Forensic Odontology, which is jointly conducted by the Department of Forensic Medicine and the Department of Oral Pathology, MCOADS, Mangaluru. He has further plans to increase the scope of research and publication in the postmortem imaging and biological profile of individuals by starting a certificate course on Forensic Radiology and Imaging in collaboration with the Department of Radiodiagnosis.

Email: [ppj.rao@manipal.edu](mailto:ppj.rao@manipal.edu)

Manipal pure portal link: <https://manipal.pure.elsevier.com/en/persons/jagadish-rao-p-p>

Scopus link: <https://www.scopus.com/authid/detail.uri?authorId=57214779886>

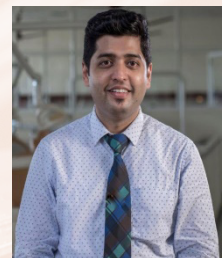
## **B. Faculty and Institution Achievements**

### **Manipal College of Dental Sciences, Mangaluru**

Dr Srikant N, Professor, Department of Oral Pathology and Microbiology, MCOADS, Mangaluru secured Best Paper Award at the 19th National Conference of the Indian Association of Forensic Odontology on 10 and 11 September 2022, for a presentation on "Sexual Dimorphism of permanent Maxillary Tooth: Shape is more relevant than size- A 3D Geomorphometric Analysis".



Dr Praveen Jodalli, Associate Professor, Department of Public Health Dentistry, MCOADS, Mangaluru has won the Best Paper in Session at the 26th Indian Association of Public Health Dentistry (IAPHD) National Conference, held at Maquinez Palace, Goa from 23 to 25 September 2022 on the topic – Validation of Ageism Scale for Dental Students in a Dental School (ASDS-India).



Dr Mithun Pai B H, Associate Professor, Department of Public Health Dentistry, MCOADS, Mangaluru has won the Best Paper in Session at the 26th IAPHD National Conference, held at Maquinez Palace, Goa from 23 to 25 September 2022 on the topic – Evidence Map of Infodemic in Public Health a Reemerging Public Health Threat - Evident Synthesis.



## Manipal College of Pharmaceutical Sciences

Indian Pharmacy Rankings 2022: The Pharmacy Category was ranked ninth in the National Institutional Ranking Framework (NIRF), which was approved by the Ministry of Human Resource Development (MHRD).

“Manipal Pharmaceutics Conference” (MPCON 2022) was held from 22 to 24 September 2022: The Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS), Manipal Academy of Higher Education (MAHE), Manipal organized a three-day conference. The theme of the conference was “Molecular Pharmaceutics: A Vital Tool for Future Therapeutics”. The conference aimed to provide a platform for deliberation and knowledge-sharing amongst pharmaceutical researchers and students towards improving current and future therapeutics through molecular pharmaceutics. The conference included pre-conference workshops in different areas including Computational Simulation in Formulation Design, Hot Melt Extrusion and Quality by Design on the first day. The conference was inaugurated on 23 September 2022 by Dr Venkatraya M Prabhu, Pro Vice Chancellor (Health Sciences), MAHE, Manipal by lighting the lamp. Dr C Mallikarjuna Rao, Principal, MCOPS welcomed the gathering and gave an overview of the conference. The Chief Guest, Dr Prabhu released the E-abstract book and in his inaugural address said “MPCON 2022 is a curtain-raiser for the Diamond Jubilee Celebration of MCOPS, to be held in 2023”. He sensitized the young delegates on the importance of knowledge and wisdom. He also encouraged them to learn from other’s experiences, to aim high and to have a vision and mission in life to reach their goal. Dr Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS, and the Organizing Secretary, MPCON-2022 proposed the vote of thanks. The inaugural program was witnessed, by Dr Krishnamurthy Bhat, Vice Principal, MCOPS, the speakers, chairpersons, MAHE officials, delegates, faculty members, resource persons, research scholars and students. Following the inauguration, scientific sessions were conducted by eminent resource persons from various industries and academia. There were 13 plenary speakers and 14 chairpersons for the conference. The conference served as an impetus to promote the knowledge among the delegates on various topics including novel drug delivery, targeted drug delivery, biotherapeutics, personalized medicine, and theranostics for the effective treatment of diseases. A total of 93 research/conceptual posters were presented by the delegates. About 274 delegates including pharmacy students and teachers participated from various reputed pharmacy institutions in India. The valedictory program was conducted on 24 September 2022. Dr Narayana Sabhahit, Registrar, MAHE, Manipal was the Chief Guest for the program. Dr C Mallikarjuna Rao, Principal, MCOPS welcomed the gathering. Dr Srinivas Mutalik gave an overview of the MPCON. Dr Krishnamurthy Bhat, Vice Principal, MCOPS addressed the gathering highlighting the efforts of the MPCON organizing committee for successfully organizing the event. Dr Sabhahit in his talk appreciated the young delegates for their enthusiasm, research interest, and active involvement during MPCON 2022. He also enlightened how Manipal matters and the involvement of MAHE in providing healthcare services to society and helping the government. The chairpersons were felicitated and the Best Poster Awards were distributed by the Chief Guest. The program was concluded with a vote of thanks by Dr Shaila Lewis, Professor, Department of Pharmaceutics, MCOPS, Manipal. The MPCON 2022 was supported by the helping hands of Schrödinger, Bengaluru, India; STEER Life Limited, Bengaluru; Novartis Healthcare Pvt Ltd, Sri Durga laboratory, Mangaluru; ThermoFisher Scientific; Sri Siddhivinayaka Agency, Udupi and Essarkay Chemicals, Mangaluru.



Department of Science and Technology (DST)-Science and Engineering Research Board (SERB) sponsored High-End Workshop on “Clinical and Translational Research for Precision Medicine” from

Department of Science and Technology (DST)-Science and Engineering Research Board (SERB) sponsored High-End Workshop on “Clinical and Translational Research for Precision Medicine” from 25 to 30 July 2022. Department of Pharmacy Practice, MCOPS, MAHE, Manipal has organized a High-End Workshop on “Clinical and Translational Research for Precision Medicine”, sponsored by DST-SERB, from 25 to 30 July 2022 at the seminar room, Department of Medical Education, MAHE. Dr Mahadev Rao, Professor and event organizer, Department



of Pharmacy Practice, MCOPS, MAHE, has received a workshop grant from the DST, SERB under the Accelerate Vigyan Scheme “KARYASHALA”, Government of India, New Delhi, India. A total of 25 students from 21 institutes across 9 states participated in the workshop, out of which 13 were PhD students and 12 were postgraduate students. The workshop’s inaugural function was conducted on 25 July 2022 at 10.30 am. Dr C Mallikarjuna Rao, Principal, MCOPS, MAHE, welcomed the gathering. Dr Mahadev Rao gave an overview of the workshop and highlighted that this workshop was meant to disseminate knowledge in the area of translational research through a multidisciplinary and multi-institutional integrated learning approach so that the researchers are better equipped to integrate information from multiple domains and conduct independent or team-oriented research, thereby contributing to improve national and global health. The chief guest of the program, Dr Sharath K Rao, Dean, Kasturba Medical College (KMC), MAHE, inaugurated the workshop. Dr Sharath K Rao, in his address, mentioned the importance of precision medicine in the prevention, diagnosis, treatment, and prognosis of patients for deriving maximum clinical benefits. Guest of honour, Dr B S Satish Rao, Director of Research (Health Sciences) and Manipal School of Life Sciences, MAHE addressed the gathering about the importance of translational research in bridging laboratory and clinical research. Dr Surulivel Rajan M, Head, Department of Pharmacy Practice, thanked the audience.

Dr Girish Pai K delivers a lecture at KMC Hospital, Mangaluru on the occasion of World Pharmacist Day 2022.

Dr Girish Pai K, Associate Professor, Department of Pharmaceutics and Coordinator, Centre for Current Good Manufacturing Practice (cGMP), MCOPS, MAHE, Manipal delivered a guest lecture on the topic “FORMULATION AND PRODUCT COMPLAINT ALONG WITH ONLINE MUSEUM OF DRUGS” during a Continual Pharmacy Education (CPE) program organized by KMC Hospital, Mangaluru on the occasion of World Pharmacist Day. About 150 delegates (Healthcare professionals, Pharmacists and Nurses) attended the CPE program held on 29 September at 3.30 pm, Sanjeevi Hall.



Dr Pai was also felicitated during the occasion for his contribution to the pharmacy field. Dr John Ramapuram, Medical Superintendent and Mr Prasanna Kumar, Chief Pharmacist honoured Dr Pai with a shawl, garland, memento and letter of appreciation.

Dr C Mallikarjuna Rao, Principal, MCOPS receives the prestigious “APTI Dr N Udupa Manipal Award for Pharmacy Teacher of Eminence”. During the 25th Association of Pharmaceutical Teachers of India (APTI) annual conference held at JSS AHER Mysuru from 2 to 4 September 2022, Dr C Mallikarjuna Rao, Principal, MCOPS was awarded the prestigious APTI Dr N Udupa Manipal Award for Pharmacy Teacher of Eminence. Dr Rao has been heading MCOPS since 2013 and is key instrumental in taking MCOPS to greater heights. A teacher-par-excellence, research enthusiast and an efficient administrator, together with his team have been



successful in raising funds to above 20 crore rupees in the last one and a half decades in MCOPS, Manipal. Till now Dr Rao has built an h-index of more than 27 by Scopus and an i10 index of more than 75 through his publications.

Congratulations Dr Mallikarjuna Rao!!!

APTI Award to Dr Srinivas Mutalik

Dr Srinivas Mutalik, Professor and Head, Department of Pharmaceutics, MCOPS, Manipal received the prestigious “PROFESSOR AMBIKANANDAN MISRA RESEARCH EXCELLENCE AWARD IN PHARMACEUTICS AND DRUG DELIVERY” AWARD 2021 during APTI National Convention “GLITTERING SILVER JUBILEE APTICON 2022”, which was held from 2 to 4 September 2022 at JSS Mysore. Hearty Congratulations Dr Mutalik!!!

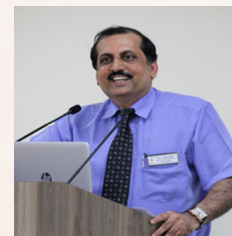


Artificial intelligence in differentiating tropical infections: A step ahead published in PLOS NEGLECTED TROPICAL DISEASES by Shreelaxmi Shenoy, Asha K Rajan, Muhammed Rashid, Viji Pulikkel Chandran, Pooja, Gopal Poojari, Vijayanarayana Kunhikatta, Sreedharan Nair, Girish Thunga of Department of Pharmacy Practice, MCOPS, MAHE, Manipal, India.



### **Manipal College of Health Professions, MAHE, Manipal**

Dr G Arun Maiya, Professor-Department of Physiotherapy and Dean, Manipal College of Health Professions (MCHP), Manipal has been appointed as an Expert of the Research Degree Committee, of Guru Nanak Dev University, Amritsar for the year 2022 to 2024.



Dr Preetha R, Associate Professor, Department of Physiotherapy has been appointed as a Review Advisory Board Member of the South Asian Federation of Urogynaecology for 2022-25.



Dr Abraham Samuel Babu, Associate Professor has been selected to be a Committee Member of the Heart Failure Association's (HFA) Scientific Committee on Comorbidities - Study Group on Exercise Physiology and Training for a period of two years (2022-2024). HFA is a part of the European Society of Cardiology.



The abstract submitted by Mrs Nivedita S Prabhu, Assistant Professor-Selection Grade has been accepted for the 29th Scientific Meeting of the International Society of Hypertension to be held in Kyoto, Japan from 12 to 16 October 2022. She has also been sanctioned a bursary of 300 USD for the same.



Mr Anup Bhat, Assistant Professor-Selection Grade, Department of Physiotherapy, MCHP has been selected for the “National Course on Educational Science” of the National Teacher Training Centre under the aegis of Department of Medical Education, JIPMER, Pondicherry held from 26 September to 1 October 2022.



Mrs Kavitha Vishal, Assistant Professor-Selection Grade, Department of Physiotherapy attended and presented a poster at the IASP World Congress on Pain held from 19 September to 23 September 2022 in Toronto, Canada.



Ms Kalaivani M, Assistant Professor-Selection Grade, Department of Medical Laboratory Technology (MLT), MCHP, Manipal has attended and presented an Oral presentation on “Effect of Vitamin C and Vitamin E on Di-(2-ethylhexyl) Phthalate Induced Ovarian Gene Alterations in Pubertal Female Wistar Rats” in the 25th Annual National Convention of the Association of Pharmaceutical Teachers of India-2022 (25th APTICON-2022) held at JSS College of Pharmacy, Mysore from 2 to 4 September 2022.



Dr Shovan Saha, Associate Professor, Department of Occupational Therapy, MCHP, MAHE, Manipal, has been appointed as Co-Chair of the International Federations of Societies Education Committee for Hand Therapy (IFSHT) for the 2022-2025 term.



Dr Sebastina Anita D’Souza, Professor, Department of Occupational Therapy, MCHP, MAHE, Manipal, is selected as a member of working group 13, Environmental interventions for the prevention of falls. This is an international group that will develop guidelines for environmental interventions for the prevention of falls in older adults.





## Kasturba Medical College, Manipal

Dr Vidyashree G Poojari, Associate Professor, Department of Reproductive Medicine and Surgery was awarded the first prize at the EVE Endoscopy 2022 Conference in Bengaluru. IAGE Karnataka Chapter, Bengaluru, organised the event. Received first place for a poster presentation that was presented. Poster title: Assessment of uterine receptivity by endometrial/sub-endometrial blood flow and change in endometrial thickness after progesterone administration on clinical pregnancy rate in patients undergoing Frozen Embryo Transfer at the National Level held from 22 to 24 July 2022.

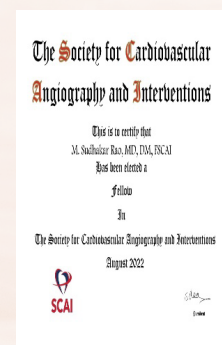


Dr Sharada Mailankody Department of Medical Oncology received a certificate in Review of an article for ecancermedalscience at the International Level on 2 August 2022.



Dr Shrikiran A, Professor and Unit Head of the Paediatric Department participated in the 20th year's Doctors' Day celebration 2022 on 2 July 2022.

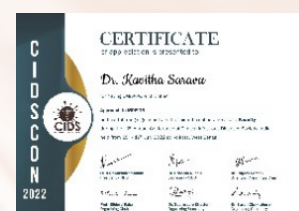
Dr M Sudhakar Rao, Associate Professor of Cardiology has participated in The Society for Cardiovascular Angiography and Interventions (FSCAI) - August 2022.



Dr Sneha G K, Professor of Anatomy Department of Anatomy attended, the Future of Anatomical Sciences Education (FASE) conference on 22 and 23 July 2022.



Dr Kavitha Saravu, Head of the Department of Infectious Diseases attended the 12th Annual Conference of the Clinical Infectious Diseases Society which was held at J W Marriott Hotel in Kolkata from 14 to 17 July 2022.



Dr Sudhakar M Rao, Associate Professor of Cardiology, attended the 14th Asia Pacific Vascular Intervention Course in New Delhi from 13 to 15 August 2022.



Dr Ganesh Bhat, Professor and Unit Head of Gastroenterology, participated in the 30th Annual Scientific Meeting of the Indian National Association for the Study of the Liver in New Delhi from 4 to 6 August 2022.



### Kasturba Medical College, Mangaluru.

Dr Suchitra Shenoy M, Hood, Microbiology has authored a chapter titled "Laboratory diagnosis of superficial mycosis" in the book Superficial Fungal Infections: Text and Atlas.



Dr Shalini Shenoy, Professor and Dr Suchitra Shenoy HOD, Microbiology have authored a Chapter titled "Superficial Fungal Infections" in the book IADVL Text Book of Dermatology. The Fifth Edition.



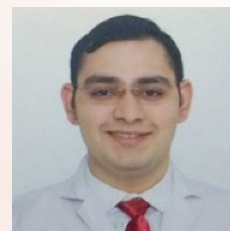
Dr Vijay Pratap Singh, Associate Professor, Physiotherapy has authored a chapter titled "Free Radical Biology Of Diabetes Mellitus" in the book Free Radical Biology Of Endocrine, Metabolic And Immune Disorders, as well as a chapter titled "Non-pharmacological Management of Hypertension" in the book Drugs And Therapeutics Hypertension-An Evidence Based Treatise For Clinicians.



Dr K Ramachandra Kamath, HOD, Orthopaedics received Certificate of Excellence (Speaker) from "Radio Sarang 107.08FM".



Dr Keerthan Ranga Nayak U, Senior Resident, Orthopaedics was an observer in the Department of Plastic Surgery, Hand and Reconstructive Microsurgery and at Ganga Medical Centre and Hospitals (P) Ltd Burns from 16 to 30 July 2022.



Dr Pranoti Arjun Pol, Assistant Professor, Surgery participated in a certificate course in Diagnostic and Interventional lower GI endoscopy from 25 to 27 August 2022 at The Royal college of surgeons of England and received a certificate of appreciation for Fellowship in Advance laparoscopic surgery, Hernia at Grant Government Medical College and Sir JJ group of hospitals under the aegis of Indian Association of Gastrointestinal Endo– Surgeons from 25 to 27 August 2022.



Mr Mahesh B S, Assistant Professor in Clinical Psychology, Department of Psychiatry, completed the course era from 5 July to 15 August 2022. Emotional Intelligence: Cultivating Immensely Human Interactions - an online non-credit course authorized by the University of Michigan and offered through Coursera.



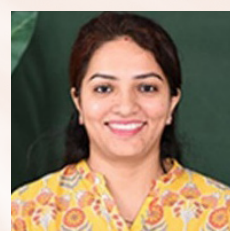
Dr Saraswathy Sreeram, Associate Professor, Pathology completed The ISN (International Society of Nephrology)-ANIO Advanced Clinical Nephropathology Certificate Program (CNC) from 1 July 2021 to 30 June 2022.



Dr Vinodini N A, Associate Professor, Physiology completed the course era Understanding the Brain: The Neurobiology of Everyday Life by the University of Chicago.



Dr Pooja K S Additional Professor, Pathology completed the course of study: Clinical Gastrointestinal Pathology Certificate Program 2022 by the Institute of Gastro and Hepato Pathology from January 2022 to August 2022.



Dr Chethan B Shetty completed two-week of observership in Paediatric Orthopaedics (Foot and Ankle) at KMC Hospital Manipal from 29 August to 10 September 2022.

Dr Animesh Jain, Professor of Community Medicine, KMC Mangaluru was conferred with Honorary Professorship of IMA Headquarters. The same was conferred and presented to him by Smt Meenakshi Lekhi, MoS, External Affairs and Culture of India in presence of Dr Mansukh Mandaviya, Union Health Minister and Sri Pashupati Kumar Paras, Union Minister for Food Processing Industries at IMA Headquarters in New Delhi during a function on National Teacher's Day, 5 September 2022.

Dr Animesh Jain was awarded Travel Grant by the Journal of American Medical Association (JAMA) to attend the 9th Peer Review Congress in Chicago, USA.

Dr Animesh Jain, Professor of Community Medicine, KMC Mangaluru, was one among seven selected for the Sponsored Scholars Program to participate in the Ninth International Congress on Peer Review and Scientific Publication (<https://peerreviewcongress.org/>) from 8 to 10 September 2022, at Chicago, Illinois, USA. The Peer Review Congress is a prestigious event that takes place once every four years and the organizers for the 2022 edition are the JAMA (Journal of American Medical Association) Network, the BMJ (British Medical Journal) and the Meta-Research Innovation Center at Stanford (METRICS).

As a sponsored scholar, Dr Jain is entitled to receive financial assistance of 1500 USD to facilitate travel and accommodation in addition to complimentary registration to the conference.

Dr Animesh Jain, Professor of Community Medicine, KMC Mangaluru was a resource faculty for a pre-conference workshop on AETCOM at the Skill Educon 2022, the National Healthcare Conference on Clinical Skill Education. This workshop was held on 23 September 2022 at Father Muller Simulation Centre, Mangaluru and was attended by delegates from all over the country.

Dr Animesh Jain, Professor of Community Medicine, KMC Mangaluru was invited by the Chest Council of India (CCI) to participate as a panellist on a special webinar titled "Impact of pollution on Lung Health – Is it time to relocate to another planet?" This webinar was held live on 25 September 2022 at 8:00 pm and was attended by 712 participants. The same is now archived and available on CCI's YouTube channel. Resource person for ASSI 3rd Basic Research Methodology Workshop on 7 July through Zoom Platform. Resource person for Hunt yourself as a novel researcher yesterday, today, and tomorrow national conference of nursing at Conference Hall, AJIMS, Mangaluru on 20 July 2022. Resource person for workshop Principles of Research Ethics, Vulnerability, Privacy and Confidentiality on 31 July 2022. Resource person for Grant Proposal writing at Sankara College of optometry on 17 September 2022.



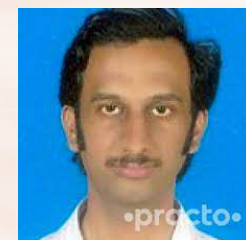
Dr Nithin Kumar Associate Professor, Community Medicine was the resource person for Continued Medical Education (CME) Panel Discussion on Monkey Pox at Aavishankar Hall, VII floor, ABSMIDS, Kshema on 23 July 2022.



Dr Pracheth R Associate Professor, Community Medicine was the resource person for International Road to research international research symposium on 24 July 2022 through the Zoom Platform.



Dr Deepak R Madi Additional Professor, Medicine, was the resource person for Panel Discussion on MONKEY POX at K S Hegde Medical Academy, Mangaluru on 23 July 2022.



Dr Mohammed Sha Alam, Senior Resident, Medicine, was the resource person for CME Insulin initiation in a person with type 2 diabetes mellitus (T2DM) uncontrolled on oral antidiabetic drugs (OADs) at Hotel Goldfinch on 23 July 2022.



Dr Sumesh T Rao, Professor and Head, Anaesthesiology was the resource person for ICA WEBINAR-Inculcating Leadership Quality during Anaesthesia Training on 27 July 2022.

Resource person for SAARC Conference in Kerala on 12 August 2022.

Resource person for ISACON KARNATAKA 2022 at Kalaburgi on 16 September 2022.



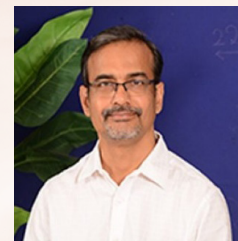
Dr Sharanya B Shetty, Assistant Professor, Psychiatry was the resource person for the awareness program on drug addiction on 2 July 2022.



Dr Gatha M Upadya Professor and Head, Dermatology was the resource person for the Indian Association of Dermatologists, Venereologists and Leprologists (IADVL)-Special Interest Group (SIG) Trichology Symposium-2022 and Practice Management Cell IADVL Symposium 2022 at Deepa Comforts, Mangaluru on 10 July 2022.



Dr Pramod Kumar Professor, Dermatology was the resource person for IADVL-SIG Trichology Symposium-2022 and Practice Management Cell IADVL Symposium 2022 at Deepa Comforts, Mangaluru on 10 July 2022.



Dr Mangala M Pai, Professor, Anatomy was the resource person for Experientia Doctrina Segment at Father Mullers Medical College, Mangaluru on 24 August 2022.



Dr Nayanatara A K, Associate Professor, Physiology was the resource person for the conference - Advanced Research Methods for applied and Allied Health Professionals at Srinivas University Srinivas Nagar Mukka Surthkal on 27 August 2022.



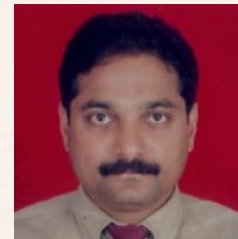
Dr Sharada Rai, Professor and Head, Pathology was a resource person for the workshop on Objective Structured Practical Examination at Father Muller Medical College, Mangaluru on 25 August 2022.



Dr Ashok Shenoy, Professor, Pharmacology was a resource person for the Community Outreach Program in the form of an educative session transmitted through the YouTube channel on 04 August 2022 and ICH GCP Guidelines at Chitradurga on 19 August 2022.



Dr John Ramapuram, Professor, Medicine was the resource person for "CME on Programmatic Management of HIV" at Kanachur Institute of Medical Sciences and Kanachur Hospital and Research Centre, Mangaluru on 10 August 2022.

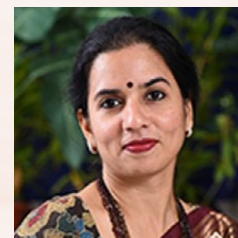


Dr Priya Ballal K, Professor, OBG was the resource person for CME-Medical Termination of Pregnancy-Revisited at AJ Institute of Medical Science and Research Centre Auditorium II, 3rd Floor Medical College Building, Kuntikana Mangaluru on 13 August 2022.

Resource person for GYNE-SCOPE - An Arena To Hone Your Laparoscopy Skills at Decennial Hall, Father Muller Medical College, Mangaluru on 4 September 2022.

Resource person for the 32nd KSOGA Conference 2022 at Karnataka Institute of Medical Sciences, Hubli on 25 September 2022.

Resource person for RECOGYN 2022-2nd World Congress of Reconstructive and Cosmetic Gynaecology at The Westin, Gurgaon, New Delhi NCR on 23 September 2022.



Dr Keshava Pai, Professor and HOD, Psychiatry was the resource person for -International Classification of Disease (ICD)-II What's New and Interesting in Muller PSYCON 2022 at Father Muller Medical College, Mangaluru on 13 August 2022.

Resource person for CME "Challenges faced by PGs; How to face it" at Hotel Ocean Pearl Mangaluru on 24 September 2022.



Mr Mahesh B S, Assistant Professor in Clinical Psychology was a resource person for the Guest talk Expansive Session on Unravelling the Paranormal Phenomena-Understanding Parapsychology at Alva's College for PG Studies and Research, Moodubidri on 18 August 2022.

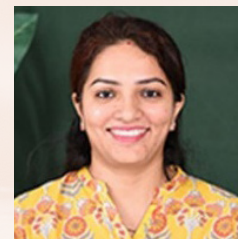
Resource person for webinar AI in Clinical Psychology and Stress Management at SpaceOrion Ltd., (Virtual) on 20 August 2022.

Resource person for Study Skills, Self-awareness and Time Management at St Aloysius Degree College from 26 to 27 August 2022.

Resource Person for a Guest talk on Stress Management with a Touch of Magic and Mentalism at Ocean Pearl Inn, Bejai, Mangaluru on 24 September 2022.



Dr Pooja K.S Additional Professor, Pathology was the resource person for CME on Non-Neoplastic Lesions of the Gastrointestinal Tract at A J Institute of Medical Sciences and Research Centre, Mangaluru on 17 September 2022.



Dr Amanda C Pinto, Assistant Professor, Pathology was the resource person for Guest Lecture Bionex-22 at the Department of Postgraduate Studies and Research in Biochemistry, St Aloysius College, Mangaluru on 19 September 2022.

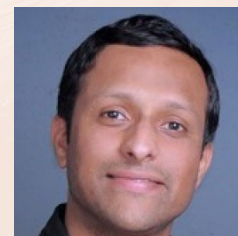


Dr Suchitra Shenoy, Professor and Head, Microbiology attended the workshop on "Biosafety and Biocontainment: Operational Practices in Healthcare and Research" organized by Institutional Biosafety Committee (IBSC) at Nitte (Deemed to be University), Deralakatte, Mangaluru on 22 September 2022.

Dr Ramesh Holla Associate Professor, Community Medicine was the resource person for the workshop RTI/STI for Senior Lab Technicians at DTC, Dakshina Kannada on 6 September 2022.

Resource person for Rabies Prevention and Prophylaxis at Mangaluru City Corporation on 28 September 2022.

Resource person for Rabies Prevention and Prophylaxis at Zilla Panchayath, Mangaluru on 19 September 2022.





Dr Archith Bloor, Additional Professor, Medicine was the resource person for Medicine Updatae 2022 at KVG Medical College and Hospital, Kurunjibach, Sullia on 4 September 2022.

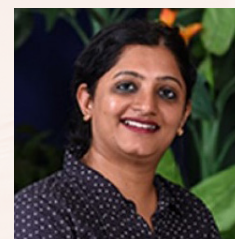


Resource person for the program "Awareness of Life" at Adani Airport, Mangaluru on 13 September 2022.

Dr Srirama Bhat M, Professor and HOD, Surgery was the resource person for the Comprehensive update on Surgical Management of Colorectal Diseases at AJ Institute of Medical Sciences and Research Centre, Mangaluru on 30 September 2022.



Dr Shraddha Shetty, Professor and HOD, Obstetrics and Gynaecology (OBG) was the resource person for GYNE-SCOPE-An Arena To Hone Your Laparoscopy Skills at Decennial Hall, Father Muller Medical College, Mangaluru on 4 September 2022.



Dr Adithi Shetty, Associate Professor, OBG was the resource person for the 32nd KSOGA Conference 2022 at Karnataka Institute of Medical Sciences, Hubli on 25 September 2022.



Dr Nikil Shetty, Associate Professor, OBG was the resource person for the 32nd KSOGA Conference 2022 at Karnataka Institute of Medical Sciences, Hubli on 25 September 2022.



Dr Santosh Rai, Professor and HOD, Radiodiagnosis was the resource person for CME Non-neoplastic Lesions of the gastrointestinal tract at A J Institute of Medical Science and Research Centre, Mangaluru on 17 September 2022.



Mr Shyam Krishnan, Assistant Professor-Senior Scale, Physiotherapy was the resource person for the seminar on Pain: An Interdisciplinary approach to evaluation and management at RV College of Physiotherapy, Bengaluru on 26 September 2022.



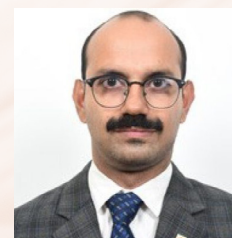
## Manipal Institute of Technology

Dr Raviraj Holla, Assistant Professor, Senior Scale, Department of Information and Communication Technology, Manipal Institute of Technology (MIT), MAHE, Manipal, has been awarded the degree of Doctor of Philosophy for the thesis titled "Analysis and design of General Purpose Graphics Processing Unit (GPGPU) based secure visual secrete sharing (VSS) schemes" Date of Viva Voce: 22 August 2022, under the guidance of Dr Alwyn Roshan Pais, Associate Professor, Department of Computer Science and Engineering, NITK, Surathkal.

Dr Nilesh Anand Srivastava, Assistant Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, MAHE, received the "Best Thesis Presentation Award" by IEEE NTC, EDS and Sensors Council, IIT Indore, on 11 August 2022.



Dr Anish Kumar Warriar, Associate Professor of Geology, Department of Civil Engineering, MIT, Manipal, has been awarded a three-year research project titled "Understanding the fluxes of microplastics in the coastal ecosystems of major rivers of India" by the Science and Engineering Research Board (DST-SERB). The total cost of the project is 46,74,620 INR.



Dr K Balakrishna, Professor, Department of Civil Engineering, MIT, Manipal, is the Co-Principal Investigator of a one-year research project titled "Genomic surveillance of SARS-CoV-2 from the community and hospital wastewater treatment plants in Udupi" by the Science and Engineering Research Board (DST-SERB). The total cost of the project is 43,12,440 INR.



Dr Manjunath K N, Associate Professor, Department of Computer Science and Engineering, MIT, MAHE, Manipal conferred with a travel grant from the Korean Society of Radiology for a paper presented at the 78th Korean Congress on Radiology and Asian Oceanian Congress of Radiology held at Coex, Seoul, Republic of Korea from 20 to 24 September 2022.



Manjunath K N, the faculty presented their research work titled Localization of Lung abnormalities on Chest X-Rays using self-supervised equivariant attention at the 78th Korean Congress of Radiology 2022 conducted by the Korean Society of Radiology and Asian Oceanian Society of Radiology from 20 to 24 September 2022. The event witnessed 4,078 registrations (Radiologists and Biomedical Engineering professionals) from 40 countries and 55 healthcare companies exhibiting their healthcare products. He received a travel award of 5,00,000 KWR (Korean Won) and won gift vouchers in a few on-spot events.



Dr Manohara Pai M M, Professor, Department of Information and Communication Technology, MIT, Manipal was honoured with the National Award for teachers in the category of Technical Teachers, NTA-22 in New Delhi (earlier AICTE-Visweswaraya Best Teacher Award). The award was given on 6 September 2022 at a function organised in Dr Ambedkar International Centre, New Delhi by the ministry of education, Government India in the presence of Smt Annapurna Devi, Ministers of State (MoS) for Education, Shri Rajkumar Ranjan Singh, MoS for Education and Dr Subhash Sarkar, MOS for Education, Government of India. The award comprises a cash prize and Certificate of Excellence in recognition of teaching excellence in technical education.



## Manipal Centre for Natural Sciences

Dr Chandrachur Chakraborty, Assistant Professor, Manipal Centre for Natural Sciences, MAHE, Manipal is honoured with Scientific Associateship by Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, India for three years from 1 August 2022 to 31 July 2025.

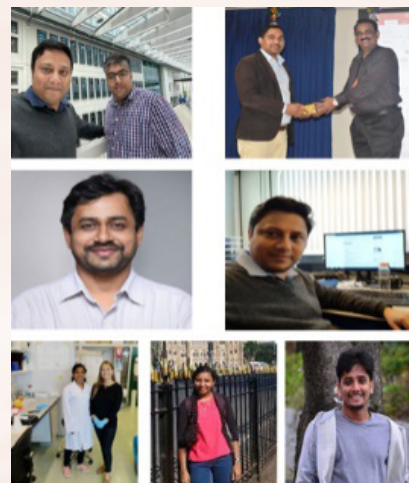
Dr Sreejith Padinhatteeri, Assistant Professor, Manipal Centre for Natural Sciences, MAHE, Manipal is honoured with Scientific Associateship by IUCAA, Pune, India for three years from 1 August 2022 to 31 July 2025.

Dr Debbijoy Bhattacharya, Associate Professor, Manipal Centre for Natural Sciences, MAHE, Manipal is honoured with an extension of Scientific Associateship IUCAA, Pune, India for three years from 1 August 2022 to 31 July 2025.

## **Manipal School of Life Sciences, Manipal**

Erasmus Plus Staff and Student exchange program between Erasmus University Medical Center, Rotterdam, The Netherlands, and Manipal School of Life Sciences, MAHE, Manipal, India.

Manipal Academy of Higher Education, Manipal and Erasmus University Medical Center, Rotterdam has signed MoU and established MAHE Erasmus Center on Genome Stability (MECGS) in 2020. Through this collaboration, Erasmus University and Manipal School of Life Sciences (MSLS), MAHE was awarded the prestigious Erasmus Plus Staff and Student exchange grant 2020-2022. Under EU funded Erasmus Plus staff and Faculty exchange program, Dr Sanjiban Chakrabarty, Assistant Professor and Coordinator, Center for DNA Repair and Genome Stability and MECGS, Manipal School of Life Sciences visited Professor Dik van Gent and Dr Arnab Ray Chaudhuri Lab at Erasmus University Medical Center, The Netherlands. Through this collaboration, Ms Joanna Ann Daniel, MSc Genome Engineering student was hosted for five months at Dr Gent's lab for advanced training on microfluidic and 3D tumour culture techniques to study DNA repair kinetics. Dr Shama Prasada K, Associate Professor and Head (I/C), Department of Cell and Molecular Biology has established collaboration with Dr Nitika Taneja, Department of Molecular Genetics, Erasmus University Medical Center, and Ms Sangvi Eshwaran, PhD student of Dr Prasada has been hosted at Dr Taneja Lab for five months. Mr Raviparasad, a PhD student of Dr Sanjiban Chakrabarty has been hosted by Dr Arnab Ray Chaudhuri's lab for five months at Erasmus MC to study DNA replication and chromatin dynamics. Dr Vivek Tripathi, a Postdoctoral Researcher at Dr Ray Chaudhuri's Lab, Erasmus MC, The Netherlands, visited the Manipal School of Life Sciences and delivered a lecture on "Restarting remodelled replication fork: Implications in the viability and therapy resistance of BRCA2 mutated tumours" on 28 September 2022.



Dr Bisham Narayan Singh, Assistant Professor, Department of Ageing Research, MSLS delivered a guest lecture on “Critical Aspect of Designing Suitable Biomaterials Based Biomimetic Matrix for Orthopaedic Tissue Engineering Applications” during a two-day long workshop on 3D Bioprinting on 27 and 28 August 2022 organized by Next Big Innovation Labs, Bengaluru.



Dr Bisham Narayan Singh, Assistant Professor, Department of Ageing Research, MSLS has been awarded the SICOT Research Award for the Best Clinical Research Paper “Outcome analysis of chondral defect repair using matrix-assisted autologous chondrocyte implantation technique insight from an experimental study” awarded by The International Society of Orthopaedic Surgery and Traumatology at Kuala Lumpur, on 29 September 2022.



## T A Pai Management Institute, Manipal

Dr Madhu Veeraraghavan, Professor, T A Pai Management Institute (TAPMI), MAHE, Manipal.

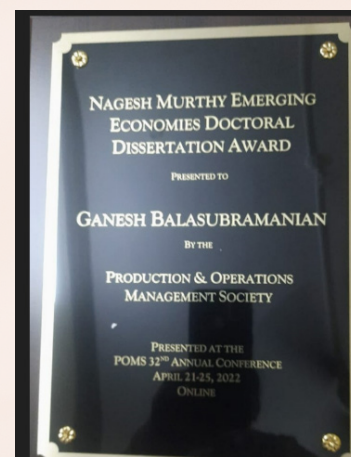
He published a paper in the Journal of Corporate Finance (JCF). The paper was titled “CEO Risk-Seeking and Corporate Tax Avoidance: Evidence from Pilot CEOs”. In the study, Being a Pilot was considered as a proxy for the risk-taking behaviour of the CEO and the impact on tax paid by the firms that such CEOs head were studied.

JCF is published by Elsevier and consistently ranked among the Top Five Finance journals and is an ABDC A\*. It has an impact factor of 5.107. JCF aims to publish high-quality, original manuscripts or shorter format papers in both theoretical and empirical corporate finance. Its areas of interest include financial structure, governance, product markets, payout, labour, innovation, risk management, financial contracting, and international finance.

Australian Aviation has covered his paper

Link: <https://australianaviation.com.au/2022/09/pilot-ceos-more-likely-to-try-tax-avoidance/>

Professor Ganesh Balasubramanian, Assistant Professor, TAPMI, MAHE, Manipal was honoured with the Nagesh Murthy Emerging Economies Doctoral Dissertation award for the Asia Pacific region by the Production and Operations Management Society (POMS) at the 2022 POMS conference. The award was announced in August 2022. The conference was held online from 21 to 25 April 2022.



Professor Amol Subhash Dhaigude, Associate Professor, TAPMI, MAHE, Manipal and Chinmay Tiwari (TAPMI Alumnus, 2020-2022 batch) were honoured best paper award (third prize) at ShowYourSkill-2022, Manipal Group of Universities, held during February 2022 to June 2022. The award was announced in July 2022.



## Manipal College of Dental Sciences, Manipal

Dr Shruthi Acharya, Associate Professor, Department of Oral Medicine and Radiology, Manipal College of Dental Sciences (MCOADS), Manipal, is selected for the WomenTech Acceleration Program from DERBI Foundation.

Dr Kalyana Chakravarthy Pentapati, Associate Professor, Department of Public Health Dentistry, MCOADS, Manipal was honoured with the Faculty of Public Health Dentistry with the highest research output “The Mani Bhagyalakshmi IAPHD Silver Jubilee Endowment Award” at the 26th National IAPHD conference held at Goa on 23 September 2022. The award consisted of a certificate, medal, and cash prize of 3,000 INR. Travel by third-class AC and accommodation was provided. The research output for the award was calculated from August 2021 to June 2022. The publications were evaluated by the jury objectively by specific weightage, which is based on the type of research, type of journal, indexing, author position in the research paper, h-index (2014-2019) and I-index (2014-2019).



Late Smt Chennabasamma Sogi - Best Practice Award - It is an annual recognition program for undergraduates, postgraduates and faculty awarded by IAPHD for exemplary public health/dental public health/preventive dental health practices that have achieved desired results and need to be scaled up to benefit the community. This award identifies new or improved interventions, products or technologies, services and delivery methods that improve oral health and the overall well-being of the people. It can be preventive, promotive, curative and rehabilitative care.

Dr Ramprasad V P, Professor and Head, Department of Public Health Dentistry, MCOADS, Manipal received the Best Practice Award for the year 2022 at the IAPHD conference in Goa, India, which was held from 23 to 25 September 2022.



Dr Monica Charlotte Solomon, Dean and Professor Department of Oral Pathology and Microbiology, MCOADS, Manipal has been awarded the Fellowship of the Royal College of Pathologists, London. She received this distinction at a New fellows arrival ceremony at the Royal College of Pathologists, London on 7 September 2022. She was awarded this fellowship based on her academic performance, her research projects, patents, grants, scientific publications and her international academic endeavours.



Dr Adarsh Kudva, Associate Professor, Department of Oral and Maxillofacial Surgery, MCOADS, Manipal has been awarded as a fellow of the Faculty of Dental Surgery, Royal College of Surgeons of Glasgow on 7 September 2022.



## **Manipal Tata Medical College**

Dr Syed Irfan Ali, Professor, Department of Community Medicine, Manipal Tata Medical College received a grant of fifty lakhs rupees for study in the year 2022-2024. "A study to assess silicosis, tuberculosis and their possible risk factors among glass industry, coal-mines and mica-scavengers silica dust exposed workers: An interventional multi-centric study" under India TB Research Consortium program of ICMR. The first instalment of 21.30 lakhs rupees was received on 7 September 2022 from ICMR for the current year.

Dr Ayan Kumar Pati, Associate Professor, Department of Pharmacology, Manipal Tata Medical College, MAHE, Manipal Awarded Elite and Gold badge and enlisted in the top 5% achiever in Current Regulatory Requirements for conducting clinical trials in India for investigational New Drugs/New Drugs Course by CDSA, THSTI, DBT with CDSCO.

## **Manipal Centre for Humanities**

Dr Ashokan Nambiar, Assistant Professor, Manipal Centre for Humanities (MCH), MAHE, Manipal conferred with Kerala Council for Historical Research (KCHR) Revise PhD Fellowship, Kerala, Kerala Council for Historical Research, 2022-2023.

## **C. Achievements by Research Scholars and Students**

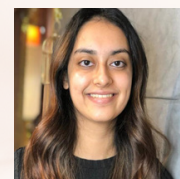
### **Manipal College of Dental Sciences, Mangaluru**

Dr Anoushka Yadav and Dr Apoorva Walia, PG students, MCOADS, Mangaluru won first prize in Poster Presentation in their session at the 1st ACE Karnataka National Conference 2022 held from 7 to 9 July 2022 at A B Shetty Memorial Institute of Dental Sciences, Mangaluru. Topic: Herbal Endodontics, Guided by: Dr Laxmish Mallya.





Dr Srishti Grover, Dr Niharika Prasad, and Dr Kadambari Sriram, PG students, MCOADS, Mangaluru won second prize in Poster Presentation in their session and third prize overall at the 1st ACE Karnataka National Conference 2022 held from 7 to 9 July 2022 at A B Shetty Memorial Institute of Dental Sciences, Mangaluru, Topic: Etidronic Acid-From Bone to Tooth Guided by: Dr Manuel Thomas.



Dr Parthivee Sharma Intern, MCOADS, Mangaluru awarded the “Best Poster” in the scientific poster category, on the Topic- “Pulpodentinal Regeneration: Boon or Bane”, at the 4th World Dental Sciences and Oral Health Conference held from 16 to 19 August 2022 organized by CynoDent and ISD in Collaboration with Department of Periodontology and Implantology KGMU at King George’s Medical University, Lucknow, Uttar Pradesh.



A team comprising Dr Madhura Rao (Final year postgraduate), Dr Maria Joseph and Dr Maria T (First year postgraduates) from the Department of Orthodontics, MCOADS, Mangaluru participated and won second place in the “JK Memorial Quiz Competition-2022” organized by Indian Orthodontic Society held online on 23 August 2022, via Zoom platform. A total of 180 teams from all over India took part in the quiz.



Dr Kavery Chengappa S, postgraduate student, Department of Public Health Dentistry, MCOADS, Mangaluru has won first place in Doodle for PHD (Doodle Art Challenge) at the 26th IAPHD National Conference, held at Maquinez Palace, Goa from 23 to 25 September 2022.



## Manipal College of Pharmaceutical Sciences

Mr Muhammed Rashid, Research Scholar (INSPIRE fellowship), Department of Pharmacy Practice, has been selected as “Networking and Communication Lead for the year 2022-2023 by The International Society for Pharmacoepidemiology (ISPE) Student Council”. He took this position with a mission to connect ISPE with other regional and international organizations and societies to enhance the current practice and education.



## **Manipal College of Health Professions, MAHE, Manipal**

Ms Akhila Satyamurthy, PhD Scholar, Department of Physiotherapy, MCHP, MAHE, and the team secured funding worth 5 lakhs INR for a period of two years for the Heart Failure Association of India (HFAI) for their proposed work in acute heart failure.



Ms Priya and Ms Reeva, MSc Clinical Psychology second year, Department of Clinical psychology, MCHP, MAHE, Manipal received first prize cash worth 40,000 INR in MAHE – Dedalus Mental Health Hackathon which was scheduled on 26 and 27 August, 2022.



Shravya K Shetty and Krathika Shetty, third year Bachelor in Audiology and Speech-Language Pathology (BASLP) students won the second prize in MAHE-Dedalus Mental Health Hackathon-22. Mentored by Dr Sheela, Associate Professor, Department of Speech and Hearing, MCHP.

Mr Rajath and Ms Rashmi J, Research Scholars, Department of Speech and Hearing received an ICMR Fellowship in the month of August 2022.

## **Kasturba Medical College, Manipal**

Vanishree (Reproductive Science) PhD Scholar has received First Prize in Poster Presentation at the 7th Annual Conference Kerala Chapter of ISAR held on 30 and 31 July 2022.

Reyon Dcunha, (Reproductive Science) PhD Scholar has received first prize in Poster Presentation - Clinical Embryology Post Covid Era on 10 April 2022 at National Level. He also received the First Prize in an Oral Presentation at the 7th Annual conference Kerala Chapter of ISAR held on 30 and 31 July 2022.

Dr Smriti Bhargava, a postgraduate student of MD Paediatrics received Best Protocol Presentation in PG Research and Publication Strengthening Committee (PG RAPS Committee) held on 28, 29 and 30 July 2022.

Dr Pruthvi Nandan postgraduate student of MS General Surgery has received a Third Prize in PG Protocol Presentation at PG Protocol Writing Workshop held on 29 July 2022.

Dr Sonia postgraduate student of MD Hospital Administration received Third Place for Poster Presentation in CAHO SACKON 2022, Title: Patient assistance and staff coordination mobile application-A service providers user experience on 13 August 2022 at the National Level.



## **Kasturba Medical College, Mangaluru.**

Mr Mohammed Sameer Ahmed, Mr Tanay Deshpande and Mr Shubham Bhusari of first professional year (2021-22), KMC Mangaluru, MAHE, Manipal, made a presentation of their concept BIOS –an alternative to the use of plastics in the medical field at the Techexpo organized by IIT Guwahati. Their innovative idea was very well appreciated and they have been advised to develop the polymer and patent the same.



Mr Nischal R and Mr Shreevatsa Acharya have secured prize first place in the ROTOQUIZ intercollegiate quiz competition on 11 September 2022 at SDM College Conference Hall, Mangaluru.



Dr Niteesh, Department of Paediatrics won First Prize in the ISPN (Indian Society of Paediatric Nephrology) Zonal Round Postgraduate Quiz on 17 September 2022 through online mode. He also received Second Prize in the Divisional Round National Neonatology Forum 2022 Quiz at A J Institute of Medical Sciences on 24 September 2022.



Dr Dhivay Ravi, Department of Paediatrics won First Prize in the ISPN (Indian Society of Paediatric Nephrology) Zonal Round Postgraduate Quiz on 17 September 2022 through online mode.

She also received Second Prize in the Divisional Round National Neonatology Forum 2022 Quiz at A J Institute of Medical Sciences on 24 September 2022.



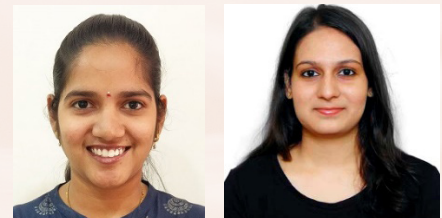
Ms Hritika Pai, Department of Physiotherapy won the Conference Scholarship Award 2022 at the MASCC (Multinational association of supportive care in cancer)/ ISOO (International Society of oral oncology) annual meeting was held from 23 to 25 June 2022.



Dr Jeco Jacob, Department of Medicine, won the Best Paper Award for a paper titled “NLR AND BRIXIA CHEST X-RAY Score as Predictors of Clinical Outcome Among COVID-19 Patients” in Mangaluru at the 39th Annual Conference of Association of Physicians of India (KAPICON 2022 held at HIMS, Hassan) from 19 to 21 August 2022.



Dr Mullangi Swetha Reddy and Dr Potharaju Kiranmayi, Department of OBG received Certificate of Appreciation Postgraduate Quiz on MTP and Contraception at A J Institute of Medical Science and Research Centre Auditorium II, 3rd Floor Medical College Building, Kuntikana Mangaluru on 13 August 2022.



Dr Shreyas Aneja, Department of Psychiatry won the Best Speaker Award-Second Prize at Muller PsyCON 2022- Father Mullers Medical College, Mangaluru on 13 August 2022.



## **Manipal Institute of Technology**

Mr Joju George Sebastian, PhD Researcher (Registration number: 200900016), Department of Civil Engineering, MIT, Manipal, has been selected to participate in the 42nd Indian Scientific Expedition to Antarctica. Mr Joju will be travelling to Schirmacher Oasis, East Antarctica from November 2022 to March 2023 for fieldwork to collect water, soil, and sediment samples for his research work. The entire expenses for his participation will be entirely funded by the Ministry of Earth Sciences, Government of India. Mr Joju is working on his PhD related to the reconstruction of the past climate in Antarctica under the supervision of Dr Anish Kumar Warriar.



Ms Ashwathi C, DST-INSPIRE Fellow (Registration number: 210900037), Department of Civil Engineering, MIT, Manipal, has been awarded the Innovation in Science Pursuit for Inspired Research (INSPIRE) PhD fellowship by the Department of Science and Technology, Government of India. As part of this award, she will be getting a total fellowship of 21,64,320 INR and a contingency amount of 1,00,000 INR over the next five years. Ms Ashwathi is working on her PhD under the supervision of Dr Anish Kumar Warriar and her topic of research is the assessment of microplastics and heavy metals in agricultural soils of coastal Karnataka.



Mr Sai Anish Malla and Mr Shreyas Bhat, students of fifth semester Data Science Engineering, Department of DSCA were part of Project MANAS, a Students' Major Project Team at MIT, MAHE, specializing in AI and Robotics, bagged an overall rank of 18th amongst 71 teams competing across the globe in the event, AUVSI SUAS - 2022 held at St Marys, Maryland, USA.



Mr Kartikeya Tiwari and Mr Sai Anish Malla, students of fifth semester Data Science Engineering, Department of DSCA, MIT, have been declared winners of @JPMorgan Chase's "Code For Good" event this year. My team ended up winning the event for a problem statement posed by the NGO@FMCH: To create a low-internet solution for Anganwadi Workers to dispense valuable health advice to women during and after pregnancy.

Mr Yaswanth Biruduraju, Mr Pratinav Seth, Mr Siddharth Singh and Mr Mihir Agarwal, students of fifth semester Data Science Engineering, Department of DSCA, MIT, participated in HackRx 3.0 | Bajaj Finserv Annual Hackathon as Team Phoenix. They were among the top teams invited for the final event held on 25 and 26 June 2022 at Four Points by Sheraton, Pune. We were adjudged to be among the top 10 teams in the competition.



Mr Smeet Yogesh Dedhia, a student in the fifth semester Data Science and Engineering, Department of DSCA, MIT, has secured First Place in the eSamydaay Hackathon having the theme "Open Network for Digital Commerce (ONDC)" held at MIT, MAHE on 29 and 30 July 2022. They have been awarded 25,000 INR as prize money with internship opportunities by eSamuday.



Ms Niyathi Kotiyan, a student of fifth semester Data Science and Engineering, Department of DSCA, MIT, is one among the four Cadets of 4 KAR ENGR COY NCC MIT Manipal attending an SB capsule held at 2 KAR ENGR COY NCC, NIT, Surathkal from 23 to 28 August 2022.



Ms Ishita Saha, a student of fifth semester Data Science and Engineering, Department of DSCA, MIT, Smart India Hackathon 2022 Grand Finale and the team won a winning trophy and cash prize of One Lakh INR.



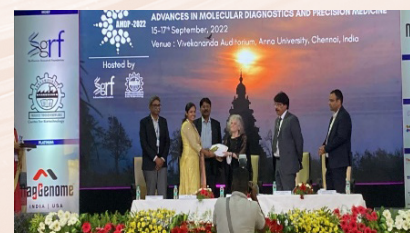
Ayush Kumar (ECE 2024), Tushar Upadhyay (ECE 2024), Yellur Vishal Rao (ECE 2024) Students, Electronics and Communication - 2022, DVCon India 2022 Hackathon (<https://dvcon-india.org/>). The hackathon problem statement was to Accelerate AI algorithms on an FPGA. The event was conducted online on 5 and 6 September 2022 and won the second runner-up position with a cash prize of 30,000 INR in the DVCon India 2022 Hackathon (<https://dvcon-india.org/>).



Ms Sabhya, PhD, second year, Physics, MIT, MAHE, Manipal, received the best paper award for the paper presented in the technical session PH03 of ICAPSM - 2022 which was held on 18 and 19 August 2022 at KPR Institute of Engineering and Technology in Hybrid mode. It was an oral presentation.

## Manipal School of Life Sciences, Manipal

Ms Manasa G Shetty, PhD Scholar, Department of Biophysics, Manipal School of Life Sciences, MAHE, Manipal received the "Best poster award" at the "International Conference on Advances in Molecular Diagnostics and Precision Medicine (AMDP-2022)" held on 15 to 17 September 2022, co-organised by SciGenom Research Foundation (SGRF) and Centre for Biotechnology, Anna University, Chennai. The poster was also selected for the oral presentation. The award was presented by a Nobel laureate Professor Ada Yonath.



## **Manipal Tata Medical College**

Mr Swapnil Sinha, Ms Pranatika Sharma, Ms Akanksha Gond, Ms Neelam Soren, Ms Suhasini Sarkar and Ms Trishala Sharma of the second year, MBBS, Manipal Tata Medical College, MAHE, received the second prize for the topic "Vision in Physics in Physiology" in All India Physiology Festival organized by Lady Hardinge Medical College, New Delhi on 20 to 22 September 2022.

Mr Anushree Rai, Ms Yashvi Mittal, Mr Yash Agarwal, Ms Muskan Verma, Ms Shreya Dasgupta, Ms Chetna Dasgupta, Ms Gurusha, Mr Ritvik, Mr Abhimanyu Malik and Mr Mukul Garg of second year MBBS, Manipal Tata Medical College, MAHE, received the third prize on the topic "Hearing in Physics in Physiology" in All India Physiology Festival organized by Lady Hardinge Medical College, New Delhi on 20 to 22 September 2022.



### **1. MAHE Student's Research Forum (MAHE-SRF) – Activities for the period of July – September 2022**

MAHE Students Research Forum (MAHE-SRF) is a robust and upbeat student-centric body that facilitates the active involvement of undergraduates, postgraduates, and research scholars of the constituent institutions of MAHE. MAHE-SRF is dedicated to developing research interests among students and is functional under the guidance of Lt Gen (Dr) M D Venkatesh, Honourable Vice Chancellor, MAHE.

#### Objectives of MAHE-SRF:

1. To foster research interest in undergraduate and postgraduate students and to inspire them to take up research as a career.
2. To create a network of students among constituent institutions of MAHE to promote and facilitate interdisciplinary research.
3. To promote entrepreneurship and innovation among MAHE students.
4. To organize research activities.
5. To sensitize all the students about MAHE incentive policies for research.

MAHE-SRF provides various opportunities and platforms for scientific interactions and networking in multidisciplinary areas across institutions. It additionally caters to opportunities for interdisciplinary collaborative work amidst eminent researchers by organizing summer school activities, webinars, and conferences. MAHE is functional under the aegis of the Directorate of Research (DoR), MAHE, Manipal. MAHE-SRF 2022 was established in January and includes doctoral research scholars from the constituent institutions of MAHE. This body has a core team of 23 students from the Manipal, Mangaluru, and Bengaluru campuses. The current President of the forum is Mr Jobin K from Prasanna School of Public Health (PSPH), Manipal. The Vice Presidents are Mr Sanket Ledwani from the Department of Commerce (DOC), Manipal, and Ms Saniya Mariyam Rasheeka from Kasturba Medical College (KMC), Mangaluru. This year MAHE-SRF has three major events, namely: MAHE PhD Conclave - 2022, Summer School Program - 2022, and Interdisciplinary Conference on Healthcare and Technical Research (ICHTR). In addition to the major events we, have monthly activities taking place. These events primarily involve academic lectures, invited talks, poster and oral competitions, and workshops.

#### **Summer School Program 2022 (13 June – 13 August)**

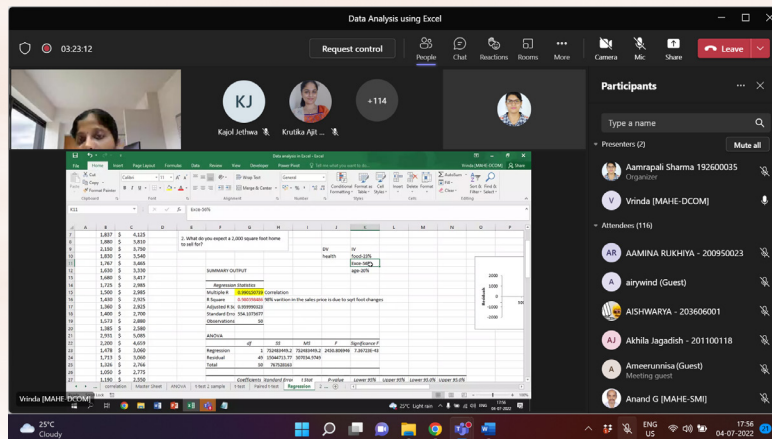
In the last quarter (July to September 2022), MAHE-SRF organized the conduction of seven offline and 14 online courses as a part of the Summer School Program - 2022 during July and August 2022. The course on "Risk and management of occupational noise-induced hearing loss among health professionals" was conducted offline on 2 July from 2:00 pm to 5:00 pm, by Manipal College of Dental Sciences, Manipal. The course was facilitated by the SRF member Mr Karthik.





Resource person conducting the offline course on “Risk and management of occupational noise-induced hearing loss among health professionals” at MCOADS, Manipal.

Ms Vrinda Acharya from the Department of Commerce, Manipal conducted three online courses “Mendeley Reference Manager”, “Data analysis using Excel” and “Bibliometric analysis” on 4 and 5 July respectively. These three courses were facilitated by the SRF member Mr Sanket Ledwani and volunteered by Ms Aamrapali Sharma and Ms Deepa Sharma.



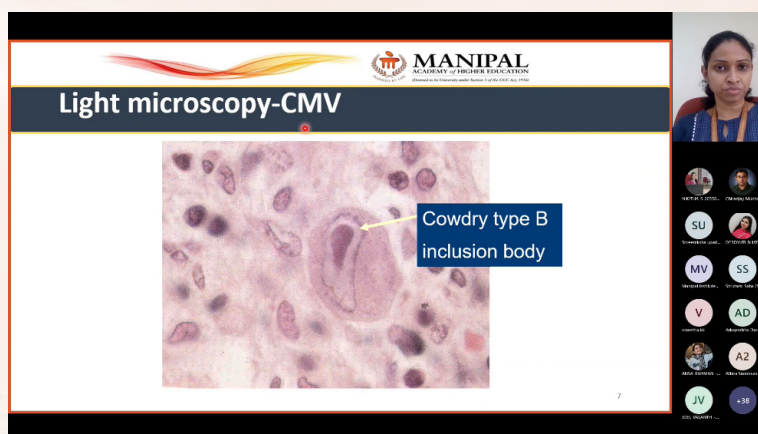
The resource person Ms Vrinda Acharya conducted an online course “Data analysis using Excel”.

The course on “Application of Event-Related Potentials in different disciplines” was conducted online on 5 July from 4:00 pm to 6:00 pm, by Dr Mayur Bhat from the Department of Audiology and Speech Language Pathology, Kasturba Medical College, Mangaluru. The course was facilitated by the SRF member Ms Saniya Mariyam Rasheeka. The course on “Academic Writing (Part 1 and 2)” was conducted online on 6 and 7 July 2022 from 4:00 pm to 5:30 pm by Manipal Institute of Management, Manipal. The course was facilitated by the SRF member Ms Sheetal Singh.



Conduction of Online course “Academic Writing”

The course on “Philosophy of Yoga” was conducted online on 11 July 2022, from 4:00 pm to 5:00 pm by Dr Annapoorna K from Division of Yoga, Centre for Integrative Medicine and Research, Manipal. The course was facilitated by the SRF member Mr Jobin. The course on “Women and Cinema” was conducted online from 11 to 15 July 2022, from 3:30 pm to 5:30 pm by Dr Kiranmayi Indraganti from Srishti Manipal Institute of Art, Design and Technology, Bengaluru. The course was facilitated by the SRF member Mr Mallikarjun Naralasetty. The course on “Current trends and future perspectives in Virology” was conducted online from 11 to 15 July, 4:00 pm to 6:00 pm by Dr Anitha J, Dr Sudheesh N, Dr Piya Paul Mudgal, Dr Sathish Kumar Arumugam and Dr Ujjwal Neogi from Manipal Institute of Virology, Manipal. The course was facilitated by the SRF member Ms Nikita.

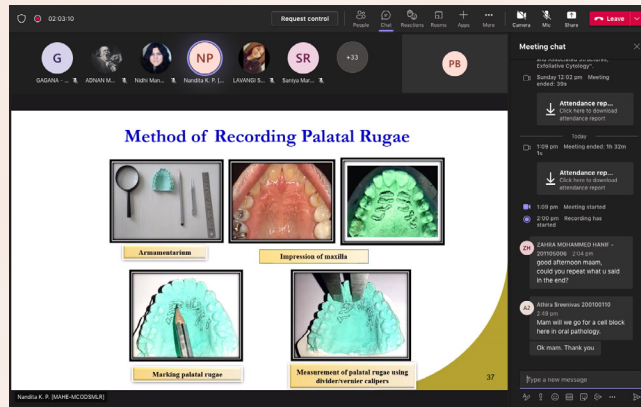


Dr Anitha J on the topic “Diagnosis of viral infections: Past, Present, and Future” from the online course on “Current trends and future perspectives in Virology” conducted by Manipal Institute of Virology, Manipal.

The course on “Vachanas, Poetry and Performance” was conducted online from 18 to 22 July 2022 from 3:30 pm to 5:30 pm, by resource person Dr Mamata Sagar from Srishti Manipal Institute of Art, Design and Technology, Bengaluru. The course was facilitated by the SRF member Mr Mallikarjun Naralasetty. The course on “Introduction to Statistical Data Analysis using Jamovi” was conducted online from 18 to 22 July 2022 from 5:30 pm to 7:30 pm, by Dr Vani Lakshmi R from the Department of Data Science, Prasanna School of Public Health, Manipal. The course was facilitated by the SRF member Mr Jobin.

The course on “Fundamentals of Health Insurance and Ayushman Bharat” was conducted online from 18 to 23 July 2022 from 4:00 pm to 6:00 pm, by Dr Naveen Kumar from the Department of Hospital Administration, Kasturba Medical College, Manipal. The course was facilitated by the SRF member Mr Sangthang. The course on “Medical Emergency and First Aid” was conducted offline from 19 to 21 July from 2:00 pm to 4:00 pm, by Dr Melita Sheilini from Manipal College of Nursing, Manipal. The course was facilitated by the SRF member Ms Sunitha. The course “Introduction to Qualitative Research” was conducted offline on 27 July, from 2:30 pm to 4:30 pm by Dr Teddy Andrews J from the Department of Social and Health Innovation, Prasanna School of Public Health, Manipal. The course was facilitated by the SRF member Mr Jobin.

The course on “Age Estimation using teeth and Associated Structures; Exfoliative Cytology” was conducted online on 28 July 2022 from 2:00 pm to 4:00 pm by Dr Amitha J Lewis, Dr Nidhi Manaktala, Dr Nandita KP, and Dr Shweta Yellapurkar from Manipal College of Dental Sciences, Mangaluru. The course was facilitated by the SRF member Ms Saniya Mariyam Rasheeka and volunteered by Dr Parul Bajaj.



Resource person conducting the online course on “Risk and management of occupational noise-induced hearing loss among health professionals” from MCOADS, Mangaluru.

The course on “Demonstration of ELISA” was conducted offline on 30 July 2022 from 2:00 pm to 5:00 pm by Dr Nagalakshmi N and Mr Manoj from Melaka Manipal Medical College, Manipal. The course was facilitated by the SRF member Mr Akheruz. The course on “Introduction to Digital Storytelling Committed to Anti-Colonialism” was conducted online on 1 to 5 August 2022 from 3:30 pm to 5:30 pm by Dr Kush Patel from Srishti Manipal Institute of Art, Design and Technology, Bengaluru. The course was facilitated by the SRF member Mr Mallikarjun Naralasetty. The course on “Introduction to R Programming” was conducted online on 1 to 5 August 2022 from 5:30 pm to 7:30 pm by the Department of Data Science, Prasanna School of Public Health, Manipal. The course was facilitated by the SRF member Mr Jobin. The course on “Nested PCR demonstration” was conducted offline on 10 August 2022 from 9:00 am to 5:00 pm by Dr Nagalakshmi N from Melaka Manipal Medical College, Manipal. The course was facilitated by the SRF member Mr Akheruz.

The course on “A hands-on experience on histopathological technique with various histopathological staining methods” was conducted offline from 11 to 13 August from 2:00 pm to 4:00 pm from Melaka Manipal Medical College, Manipal. The course was facilitated by the SRF member Mr Akheruz. The course on “Applied Linear Algebra for Machine Learning” was conducted offline on 1 to 5 August 2022 and 9 to 13 August 2022, from 2:00 pm to 4:00 pm by Mr Sudarsan N S Acharya from Manipal School of Information Sciences, Manipal. The course was facilitated by the SRF member Ms Deeksha.

The valedictory function of the Summer School Program was held on 13 August 2022 at 12:15 pm at 4A Lecture Hall, Melaka Manipal Medical College, MAHE, Manipal. The chief guest for the event was Dr Ullas Kamath, Dean and Professor, Melaka Manipal Medical College, MAHE. The event was also presided over by Dr Bharti C Magazine - Deputy Director Research (Health Sciences) and Dr Vasudha Devi - Deputy Director (Centre for Doctoral Studies), MAHE. The valedictory program was witnessed by faculties, course organizers and participants.



Valedictory function of Summer School Program held on 13 August 2022.

Nikitha S, PhD Scholar from Manipal Institute of Virology, hosted the ceremony. Saniya Mariyam Rasheeka, Event Convenor and PhD Scholar from Kasturba Medical College, Mangaluru welcomed the Chief Guest and the gathering. During the event, Dr Bharti C Magazine provided an overview of the Summer School Program 2022. Dr Ullas Kamath encouraged the participants to use the techniques acquired from Summer School Program courses in research. Dr Ullas Kamath appreciated the contribution of SRF members involved in the coordination and conduction of Summer School Program courses from respective institutes by distributing appreciation certificates. Participants shared positive feedback on the courses offered through Summer School Program. Deeksha, PhD Scholar from Manipal School of Architecture and Planning, delivered words of gratitude to every member involved in the successful completion of the Summer School Program 2022.

\*\*\*\*\*

## Editorial Team

1. Dr Satish Rao B S, Director - Research, MAHE, Manipal.
2. Dr Bharti Chogtu Magazine, Deputy Director Research (Health Sciences), MAHE, Manipal.
3. Dr Santhosh K V, Deputy Director Research (Technical Sciences), MAHE, Manipal.
4. Dr Manthan D Janodia, Professor and Head, Department of Pharmacy Management, Manipal College of Pharmaceutical Sciences, MAHE, Manipal.
5. Mr Anil Raj A, Assistant Professor, Department of Medical-Surgical Nursing, Manipal College of Nursing, MAHE, Manipal.

