

COMPENDIUM ON SUSTAINABLE DEVELOPMENT GOALS

2023 – 2024

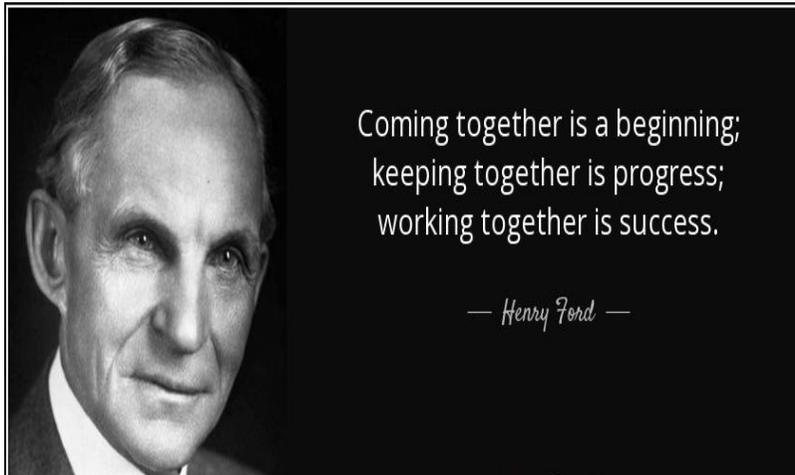
SDG 17 - PARTNERSHIPS FOR THE GOALS



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ABOUT THE SDG 17



Strengthen the means of implementation and revitalize the global partnership for sustainable development

In 2015, world leaders adopted the 2030 Agenda for Sustainable Development that aims to end poverty, tackle inequalities and combat climate change. We need everyone to come together — governments, civil society, scientists, academia and the private sector— to achieve the sustainable development goals. The Goal is to revitalize the global partnership for sustainable development.

The Global Goals can only be met if we work together. International investments and support is needed to ensure innovative technological development, fair trade, and market access, especially for developing countries. To build a better world, we need to be supportive, empathetic, inventive, passionate, and above all, cooperative.

JSS AHER'S ROLE IN THE CONTEXT OF SDG 17

In the era of globalization, JSS Academy of Higher Education and Research (JSS AHER) assumes a pivotal role in the context of Sustainable Development Goal 17 (SDG 17), which emphasizes the significance of partnerships and cooperation to address the world's most pressing challenges. Globalization has undoubtedly made our world more interconnected in terms of technology, knowledge sharing, resource allocation, and financial support. As such, collaborative efforts have become essential to share ideas and nurture innovation, making it increasingly important to promote inter-sectoral and international partnerships in alignment with SDG 17.

JSS AHER's role in the context of SDG 17 is multi-faceted:

1. **Knowledge Sharing and Innovation:** The institution actively participates in cross-sectoral dialogues, conferences, and collaborative initiatives that serve as platforms for sharing knowledge, fostering innovation, and generating novel ideas to address the goals outlined in SDG 17.
2. **Inter-Sectoral and International Collaborations:** JSS AHER recognizes the value of partnerships with government entities, non-governmental organizations (NGOs), and international stakeholders. These partnerships facilitate inter-sectoral and cross-border collaborations, which are crucial for leveraging resources and expertise to address the diverse challenges of SDG 17.
3. **Capacity Building:** JSS AHER contributes to capacity building in developing countries, aligning with the objective of SDG 17 to enhance the capabilities of nations to address their specific challenges. This includes sharing expertise, providing education and training programs, and promoting technology transfer.
4. **Financial Support and Investment:** The institution acknowledges the significance of mobilizing additional financial resources from multiple sources for developing countries, a central focus of SDG 17. By actively participating in collaborative efforts, JSS AHER contributes to the objective of supporting sustainable growth and development through financial support and investment.
5. **International Cooperation in Science and Technology:** JSS AHER fosters international cooperation in science and technology, aligning with the principles of SDG 17. This cooperation creates opportunities for knowledge sharing and innovation, which are critical for achieving the sustainable development agenda.
6. **Policy Coherence:** The institution supports the promotion of policy coherence for sustainable development. Through its active involvement in cross-sectoral dialogues and collaborative projects, JSS AHER aids in coordinating policies that contribute to the overarching goals of SDG 17.

JSS Academy of Higher Education and Research recognizes the imperative of inter-sectoral and international collaboration as a fundamental approach to achieving Sustainable Development Goal 17. Through its active participation in cross-sectoral dialogues, knowledge sharing, financial support, and capacity building efforts, JSS AHER makes substantial contributions to the global mission of fostering partnerships and cooperation to address complex challenges in our increasingly interconnected world.

INTRODUCTION

JSS Academy of Higher Education and Research (JSS AHER) direct involvement in, or input into, national government or regional nongovernment organisations SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management.

JSS Academy of Higher Education and Research (JSS AHER) plays a significant role in contributing to national government and regional non-government organizations (NGOs) in the development and implementation of Sustainable Development Goals (SDG) policies. Their involvement spans various crucial stages of policy development and execution, with a focus on identifying problems, challenges, developing strategies, and ensuring a sustainable and adaptive approach to achieving the SDGs.

1. **Problem Identification:** JSS AHER actively engages in identifying and understanding the key problems and challenges hindering the progress towards achieving the SDGs. This involves conducting research, collecting data, and engaging with local communities and stakeholders to gain insights into the specific issues that need to be addressed.
2. **Policy Development:** JSS AHER works closely with government agencies and NGOs to develop policies and strategies aimed at addressing the identified problems. This includes the formulation of clear and actionable policies that align with the SDGs and take into account the unique circumstances of the region.
3. **Futuristic Modeling:** The institution also employs modeling and forecasting techniques to predict the likely outcomes of different policy interventions. By simulating various scenarios, they can assess the potential impacts of different policy decisions, enabling evidence-based policymaking.
4. **Monitoring and Reporting:** JSS AHER takes an active role in monitoring the progress of SDG interventions. This involves regular data collection, performance measurement, and the creation of comprehensive reports. These reports serve as a valuable resource for policymakers and stakeholders to track the effectiveness of their initiatives.
5. **Adaptive Management:** The institution promotes an adaptive management approach, which involves continually reassessing policies and strategies in response to changing circumstances. This ensures that interventions remain relevant and effective, even in the face of unforeseen challenges.

By actively participating in the above processes, JSS AHER contributes to the effective implementation of SDG policies at both the national and regional levels. Their work not only helps in achieving specific SDGs but also fosters a culture of evidence-based decision-making, data-driven policies, and flexibility in the face of evolving challenges. This multi-faceted involvement reflects their commitment to sustainable development and the broader global agenda of achieving the Sustainable Development Goals.

JSS Academy of Higher Education & Research (JSSAHER) demonstrates a strong connection to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals and international cooperation, through its active involvement and collaboration with various national and regional organizations in SDG policy development:

1. **Collaboration with WHO:** JSSAHER collaborates with the World Health Organization (WHO) on various initiatives, such as training programs and workshops. This partnership supports SDG 3 (Good Health and Well-being) by contributing to healthcare capacity building and access to quality medical products. Additionally, it aligns with SDG 17 by fostering international cooperation to achieve health-related goals.
2. **Collaboration with SCOPE:** JSSAHER's collaboration with the Scientific Committee on Problems of the Environment (SCOPE) in initiatives like combating plastic pollution underscores its commitment to addressing environmental challenges. Such partnerships support SDG 14 (Life Below Water) and SDG 15 (Life on Land), which focus on protecting terrestrial and marine ecosystems.
3. **Collaboration with NAM S&T:** Engagement with the Non-Aligned Movement's Science and Technology Center (NAM S&T) highlights JSSAHER's role in fostering scientific and technological cooperation among non-aligned and developing countries. This contributes to SDG 9 (Industry, Innovation, and Infrastructure) by enhancing technological capabilities and knowledge sharing.
4. **Collaboration with Ethiopian FDA:** The collaboration with the Ethiopian Food and Drug Authority (FDA) demonstrates JSSAHER's commitment to capacity building and regulatory standards. This partnership supports SDG 3 by improving healthcare quality and aligns with SDG 17 by facilitating international cooperation for shared health goals.
5. **Collaboration with Karnataka IPR Cell:** The establishment of an Intellectual Property Rights (IPR) Cell in partnership with the Karnataka State Council for Science and Technology (KSCST) highlights JSSAHER's contribution to innovation and quality standards in the pharmaceutical sector. This is relevant to SDG 9 and SDG 17 by fostering innovation and collaboration.

JSSAHER's active involvement in these collaborations showcases its dedication to addressing diverse challenges and promoting the sustainable development agenda. These efforts are crucial for advancing the SDGs by fostering international partnerships, sharing knowledge, and developing policies and strategies to improve health, the environment, and innovation. The institution's contribution to SDG policy development is vital for achieving global sustainable development objectives.

COMMITMENT OF THE LEADERS TO WARD SDG 17

Dr. Surinder Singh, Vice Chancellor of JSS Academy of Higher Education & Research, has made significant contributions related to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals. Dr. Singh's extensive experience and leadership roles are particularly relevant to SDG 17 in the following ways:

1. **International Collaboration:** Dr. Surinder Singh's coordination of World Health Organization (WHO) virtual programs and training initiatives reflects a commitment to international collaboration. Through these programs, he facilitates knowledge sharing, capacity building, and mentorship in the pharmaceutical and medical devices sectors. Such collaboration aligns with SDG 17's emphasis on global partnerships.
2. **Government Engagement:** His tenure as the Drugs Controller General of India and as the Director of the National Institute of Biologicals involved working closely with the Indian government in regulatory and safety matters. These roles are essential for achieving SDG 17, as they require effective partnerships between governmental bodies and international organizations to ensure public health and safety, especially in areas related to pharmaceuticals, vaccines, and healthcare.
3. **Program Implementation:** Dr. Surinder Singh's involvement in conceptualizing, planning, and implementing national programs such as Pharmacovigilance, Haemovigilance, and the National Blood Donor Vigilance Program underscores his commitment to addressing critical health issues. These programs often rely on partnerships between government agencies, healthcare organizations, and international bodies, promoting collaborative efforts in line with SDG 17.
4. **Resource Mobilization:** His efforts in preparing a Memorandum for the Expenditure Finance Committee (EFC) for the Indian Pharmacopoeia Commission, with a substantial plan outlay, highlight the importance of resource mobilization for the implementation of health-related programs. Mobilizing financial resources is a crucial aspect of SDG 17, ensuring that programs are adequately funded for successful execution.
5. **Capacity Building:** Coordinating WHO training programs on various aspects of healthcare, including haemovigilance and blood components separation, demonstrates Dr. Singh's dedication to capacity building in the healthcare sector. Training and mentorship activities are essential for strengthening healthcare systems, which is a key component of SDG 17.

In summary, Dr. Surinder Singh's extensive experience in leadership roles, government engagement, international collaboration, program implementation, resource mobilization, and capacity building all contribute to the spirit of SDG 17. His work reflects a commitment to forming partnerships and collaborations at the national and international levels to address critical health and pharmaceutical-related challenges, aligning with the broader sustainable development goals.



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2). Prof. Suresh.B, Pro Chancellor of JSS Academy of Higher Education & Research .

Prof. Suresh Bhojraj's extensive involvement in pharmacy education, standards, and global collaboration is closely connected to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals. Here's how his contributions align with this SDG:

1. **Global Collaborations and Partnerships:** Prof. Suresh Bhojraj's roles as a delegate member of the United States Pharmacopeia Convention, Chairman of the International Services Commission at the Accreditation Council for Pharmacy Education (ACPE), and his previous involvement in the Asian Association of Schools of Pharmacy, Commonwealth Pharmaceutical Association, and the Federation of Asian Pharmaceutical Association demonstrate his commitment to global collaborations. These international affiliations and positions emphasize the importance of partnerships between countries and organizations to address global health and pharmaceutical challenges, which is a central theme of SDG 17.
2. **Setting Standards:** As the former Chairman of the Scientific Body of the Indian Pharmacopoeia Commission, Prof. Suresh Bhojraj played a crucial role in setting standards for pharmaceutical substances and formulations. Establishing and adhering to common standards is essential for fostering international cooperation and trade in the pharmaceutical sector, aligning with the idea of harmonizing global practices and standards as encouraged by SDG 17.
3. **Pharmacy Education Advancement:** Prof. Suresh Bhojraj's efforts to uplift pharmacy education and profession in India and other countries are aligned with SDG 4 (Quality Education). Enhancing the quality and relevance of education, especially in the pharmaceutical field, is vital for sustainable development. Furthermore, his pioneering work in introducing postgraduate programs and innovative curricula promotes capacity building, contributing to SDG 17's objective of strengthening institutional capacity.
4. **Promoting "Pharmacy Practice":** Prof. Suresh Bhojraj's promotion of the "Pharmacy Practice" concept in India, along with the introduction of Pharm D programs, is directly relevant to SDG 3 (Good Health and Well-being). Expanding the scope and quality of pharmacy practice can improve healthcare outcomes and accessibility, aligning with the sustainable development agenda.
5. **Leadership and Advocacy:** His past positions as the President of the Indian Pharmaceutical Association and Chairman of the Education Section of the Federation of Asian Pharmaceutical Association demonstrate a commitment to advocating for the pharmacy profession at both national and international levels. Such leadership and advocacy are essential for achieving SDG 17, which encourages stakeholders to work together in partnership for the common good.

In summary, Prof. Suresh Bhojraj's extensive involvement in pharmacy education, standards, and global collaborations is closely connected to SDG 17. His work reflects a dedication to fostering partnerships, improving healthcare and pharmaceutical standards, and advancing the pharmacy profession, all of which contribute to the broader sustainable development goals and the spirit of international cooperation and collaboration.



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COLLABORATION WITH NGOs

THE COLLABORATION BETWEEN JSS ACADEMY OF HIGHER EDUCATION AND RESEARCH (JSS AHER), NAM S&T CENTRE, AND THE SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT (SCOPE)

The collaboration between JSS Academy of Higher Education and Research (JSS AHER), NAM S&T Centre, and the Scientific Committee on Problems of the Environment (SCOPE) is a clear manifestation of their commitment to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals and international cooperation. Here's how this collaboration aligns with SDG 17:

1. **International Workshop on Combating Plastic Pollution:** The joint effort to organize an International Workshop on 'Combating Plastic Pollution in Terrestrial Environment' in partnership with NAM S&T Centre and SCOPE highlights the spirit of SDG 17. This workshop provides a platform for sharing experiences and best practices across nations to address the global issue of plastic pollution. By bringing together stakeholders from different countries, this collaboration promotes international cooperation and partnerships to achieve environmental sustainability, a core element of the SDGs.
2. **Cross-National Learning and Knowledge Exchange:** The aim of the workshop is to facilitate exchanges on effective terrestrial plastic waste management. This knowledge exchange is essential for achieving the SDGs as it encourages countries to learn from each other's experiences and practices. Sharing solutions and best practices on a global scale is integral to SDG 17's call for increased cooperation and collaboration.
3. **Promoting Sustainable Development:** Additionally, the organization of an International Workshop on "Gender Issues in Water Management in Developing Countries and Sustainable Development" underscores JSS AHER's commitment to SDG 17. Addressing gender issues in water management is not only relevant to SDG 6 (Clean Water and Sanitation) but also highlights the importance of partnerships in advancing sustainable development in developing countries.
4. **Hosting and Organizing International Events:** JSS AHER's active role in hosting and organizing these international workshops showcases their dedication to facilitating global cooperation and knowledge exchange. This aligns with SDG 17's call for institutional capacity building and partnerships to support the achievement of all the SDGs.

In summary, the collaboration between JSS AHER, NAM S&T Centre, and SCOPE in organizing these international workshops demonstrates a strong commitment to SDG 17's principles of fostering partnerships and international cooperation. By addressing critical global issues and facilitating cross-national learning, these collaborative efforts contribute to achieving the broader sustainable development goals and exemplify the spirit of SDG 17.

COLLABORATION WITH WHO

The Good Manufacturing Practices (cGMP)

The Good Manufacturing Practices (cGMP) Online Workshop for Pharmaceutical Units in Active Pharmaceutical Ingredients (API) and Formulations is closely connected to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals and international cooperation. Here's how this initiative aligns with SDG 17:

1. **Collaboration with WHO:** The workshop is organized and implemented in collaboration with the World Health Organization (WHO) at various levels, including the Country Office, Regional Office, and Headquarters. This collaborative effort demonstrates the importance of international cooperation (SDG 17) to address global health challenges, particularly in the pharmaceutical sector.
2. **Quality Assurance and Access to Medical Products:** The main objective of the workshop is to strengthen current Good Manufacturing Practices (cGMP) among pharmaceutical manufacturers. This is directly linked to SDG 3 (Good Health and Well-being), with a focus on ensuring access to quality-assured medical products. SDG 17 underlines the significance of partnerships to achieve SDG 3's goals, making this workshop a relevant example.
3. **Capacity Building:** The workshop's emphasis on training and facility/systems upgradation of pharmaceutical manufacturers aligns with SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure). Training and capacity building are essential for achieving SDGs, and international collaboration, as seen in this initiative, is critical for effective capacity development.
4. **Global Quality Standards:** By helping pharmaceutical units understand GMP in terms of risk-based and quality system-based approaches, as well as principles behind key aspects of cGMP, this initiative promotes the adoption of global quality standards (SDG 9). These standards are vital for ensuring the safety and efficacy of medical products.
5. **Affordability and Access:** The overarching goal to promote the availability, affordability, and access to quality-assured medicines and medical products is in line with SDG 3. Ensuring that medical products are accessible and affordable to all is a key objective of global health initiatives, and partnerships like this are essential in achieving that goal (SDG 17).
6. **Innovation and Technology:** The workshop's focus on understanding the use of Artificial Intelligence in Drug Design and Development and Clinical Trial Data Analytics relates to SDG 9 and SDG 3. Leveraging innovative technologies can significantly advance the quality and effectiveness of medical products, promoting better health outcomes.

In summary, the cGMP Online Workshop's collaborative and capacity-building approach, with a focus on ensuring access to quality medical products, aligns with the principles of SDG 17. International partnerships and cooperation are central to achieving the sustainable development goals, especially in the context of healthcare and pharmaceutical industries. This initiative supports global efforts to improve health and well-being while fostering innovation and knowledge sharing.

<https://www.cgmp.jssuni.edu.in/#/ProgramDetails>

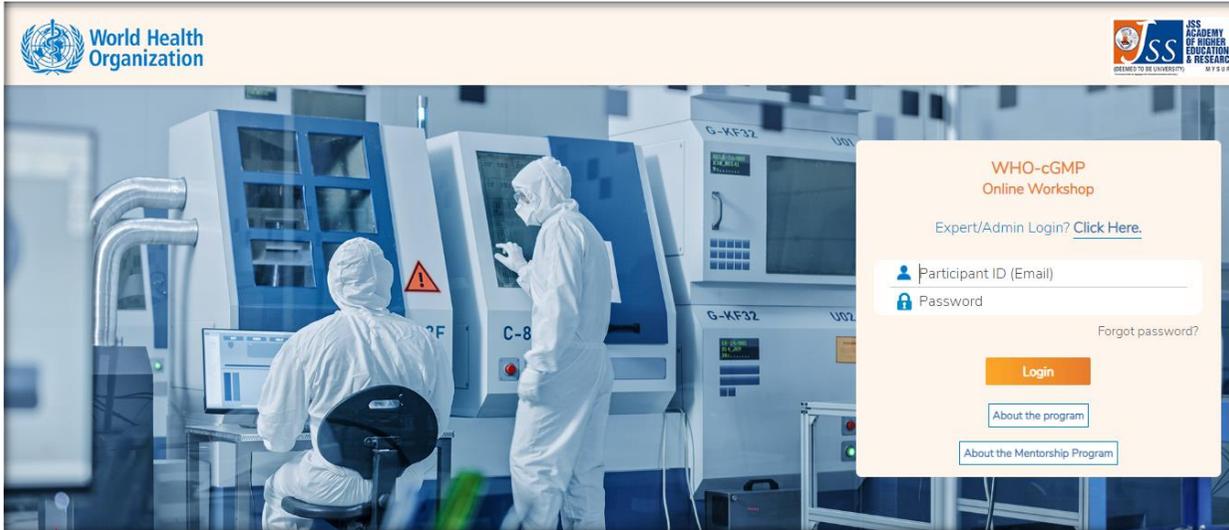
Mentorship Program for Industries

The Mentorship Program for Industries engaged in the manufacture of active pharmaceutical ingredients (API), pharmaceutical formulations, and medical devices is intricately linked to Sustainable Development Goal 17 (SDG 17), which underscores the significance of partnerships for the goals and international cooperation. Here's how this program aligns with SDG 17:

1. **Collaboration for Capacity Building:** The partnership between WHO, JSS Academy of Higher Education & Research (JSS AHER), Indian Pharmaceutical Alliance (IPA), and other stakeholders demonstrates the essence of SDG 17. This collaboration aims to enhance the capacity and capabilities of pharmaceutical and medical device manufacturing units, particularly SMEs, to meet global quality standards.
2. **Promoting Quality Medicines:** The program's focus on training and facility/systems upgradation for manufacturers aligns with SDG 3 (Good Health and Well-being). By improving the quality and safety of medicines and medical devices, this initiative contributes to better health outcomes, which is a central objective of SDG 3.
3. **Knowledge Sharing:** By involving national and international experts from the industry and regulatory agencies, the program facilitates knowledge sharing. This aligns with SDG 4 (Quality Education), as it supports ongoing learning and development, which is crucial for achieving the sustainable development goals.
4. **Quality Culture and Management:** The program's emphasis on building the capacity and upgrading the quality culture and management in manufacturing facilities is in line with SDG 9 (Industry, Innovation, and Infrastructure). Promoting efficient and innovative production processes is a key aspect of this goal.
5. **Availability and Affordability:** The ultimate goal of promoting availability, affordability, and access to medicines and medical products is directly aligned with SDG 3. This program aims to ensure that quality products are accessible to people, especially those in need, and it does so through partnerships and capacity building.
6. **Global Recognition and Visibility:** The program's focus on WHO Prequalification not only enhances the quality of products but also provides global recognition, which is in line with SDG 17's objective of promoting international partnerships and recognition.
7. **Free of Cost Participation:** Offering the program free of cost ensures accessibility and affordability, aligning with the principles of SDG 17. It makes the program inclusive and allows participation from a wide range of manufacturing units, including SMEs.

In summary, the Mentorship Program for Industries is a notable example of how collaboration and international cooperation, as emphasized in SDG 17, can be harnessed to improve health outcomes, promote quality in the pharmaceutical and medical device industries, and support the broader goals of sustainable development. This program contributes to better healthcare and accessibility while fostering global recognition and partnerships.

<https://www.cgmp.jssuni.edu.in/#/ProgramDetails>



World Health Organization

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
DREAMS TO BE UNIVERSITY MYSURU

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Mentorship Program for Industries engaged in manufacture of active pharmaceutical ingredients (API), pharmaceutical formulations and medical devices for capacity building towards WHO pre-qualification and promote availability and access to quality medicines for meeting national and global needs

OVERVIEW EXPERT PROFILES MENTOR PROFILES SCHEDULE PARTICIPANTS REPORTS FAQs CONTACT US

Program Overview

To support the Indian Pharma and medical devices SME manufacturing units, A first of its kind, Series of six Virtual Workshops (03 for APIs, 02 for Formulation and 01 for IVDs- Medical Devices manufacturing units) on Good Manufacturing Practices (cGMP) was organized and implemented by all three levels of WHO (Country Office, Regional Office, Head Quarters) in collaboration with JSS Academy of Higher Education & Research (JSS AHER), Mysuru, Indian Pharmaceutical Alliance (IPA) and with Indian Ministry of Health and partners - USAID funded programs, MTaPS and PQM+.

COLLABORATION WITH GOVERNMENT ORGANIZATION -NATIONAL

Intellectual Property Rights (IPR) Cell

The establishment of the JSS Academy of Higher Education and Research (JSS AHER) - Karnataka State Council for Science and Technology (KSCST) Intellectual Property Rights (IPR) Cell underscores a clear connection with Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals and international cooperation. Here's how this initiative aligns with SDG 17:

1. **Strengthening and Expanding Human Resources and Institutions:** The IPR Cell's primary objective is to enhance human resources and institutions for training, research, and skill-building in Intellectual Property. This capacity-building aspect is vital for achieving the SDGs, especially SDG 9 (Industry, Innovation, and Infrastructure), which highlights the importance of fostering innovation and enhancing technological capabilities.
2. **Awareness and Catalyzing Commercialization:** The IPR Cell's focus on raising awareness about IP and catalyzing the commercialization of IP aligns with SDG 9, which seeks to promote innovation and industrialization. Effective commercialization of intellectual property can drive economic growth and contribute to sustainable development.
3. **Respect for IP Rights:** Promoting respect for IP rights is a key aspect of the IPR Cell's mission. This aligns with the principles of SDG 17, which emphasizes respecting and enforcing the rule of law and respecting intellectual property rights as part of fostering international cooperation and partnerships.
4. **Sector-Specific Focus:** The unique focus of the IPR Cell on innovations, IPR, and commercialization in the health sciences sector, medical devices, and patient care aligns with SDG 3 (Good Health and Well-being) and SDG 9. Effective intellectual property management in healthcare can lead to improved healthcare services and innovations, which are crucial for achieving these goals.
5. **MoU for Collaboration:** The Memorandum of Understanding (MoU) signed between JSS AHER and KSCST for the establishment of the IPR Cell is a practical demonstration of inter-institutional collaboration, which is at the heart of SDG 17. The collaboration provides support for IPR-related activities and can benefit not only JSS AHER but also other academic institutions in Mysore, thereby fostering regional and national cooperation.

In summary, the JSS AHER-KSCST IPR Cell's establishment and objectives closely align with the principles of SDG 17 by promoting partnerships, capacity building, innovation, and respect for intellectual property rights. This initiative contributes to advancing sustainable development by facilitating knowledge sharing and cooperation among institutions, ultimately promoting economic growth, innovation, and technological progress.

<https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventDetail.aspx?NOTICESID=2941>

COLLABORATION WITH GOVERNMENT ORGANIZATION -INTERNATIONAL

The training program for Ethiopian Food and Drug Authority (EFDA)

The training program for Ethiopian Food and Drug Authority (EFDA) officials, organized by JSS Academy of Higher Education and Research (JSS AHER), Mysuru, demonstrates a strong connection to Sustainable Development Goal 17 (SDG 17), which emphasizes partnerships for the goals and international cooperation. Here's how this initiative aligns with SDG 17:

1. **International Capacity Building:** The training program aims to build the capacity of Ethiopian FDA officials through knowledge transfer and skill development. This capacity-building aligns with SDG 17, which encourages countries to support each other in strengthening institutional capacity, especially in regulatory and quality control systems.
2. **Cross-Border Collaboration:** JSS AHER's engagement with Ethiopian FDA officials exemplifies international collaboration and partnership (SDG 17). This initiative goes beyond borders to facilitate knowledge sharing and expertise exchange, reinforcing the idea of collective action to achieve global goals.
3. **Skills Enhancement:** The training program covers a range of topics, from analytical instrumentation to medicine microbiology and audit inspection. By imparting these skills, JSS AHER contributes to the goal of enhancing the capabilities of Ethiopian officials in areas critical to public health and safety.
4. **First-of-its-Kind Initiative:** The program's uniqueness as the first of its kind initiative by an Indian higher education institute to support regulatory systems internationally is a testament to SDG 17's call for innovative and unconventional approaches to foster global partnerships.
5. **Positive Feedback and Collaboration:** The expression of great satisfaction by Ethiopian FDA officials and their appreciation of the hospitality and efforts of the trainers underlines the success of this international collaboration. Such positive feedback fosters enduring partnerships, reinforcing the principles of SDG 17.
6. **Globalization Efforts:** By sharing knowledge and expertise in the domain of regulatory affairs, JSS AHER is actively contributing to globalization efforts (SDG 17). This initiative serves as a model for higher education institutions to engage in cross-border collaborations for capacity building.

In summary, the training program for Ethiopian FDA officials organized by JSS AHER is a concrete example of how educational institutions can actively participate in international cooperation and capacity building. This aligns with the principles of SDG 17 by promoting partnerships for the goals and sharing expertise to support the regulatory systems in the pharmaceutical sector, ultimately contributing to global public health and well-being.

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COLLABORATIVE MOU SUPPORTING SDG 17

SI No	Partnering Organisation	Coordinator Contact Details	Objectives of MoU signed
1.	South Kazakhstan Medical Academy (SKMA), Shymkent, Kazakhstan	Dr. R. Shanmugam Coordinator TIFAC- CORE shanmugamr@jssuni.edu.in	<ul style="list-style-type: none"> To carry out joint research programmes in drug discovery, development of medicinal plants & herbal drugs, neuropharmacology, Nanotherapeutics. To conduct joint academic programmes in Pharmaceuticals, traditional medicines, regulatory affairs, drug discovery and development To organize joint scientific events on mutually agreed themes at each other's Institutions. Student and faculty exchange programme.
2.	Pacific University, Oregon, USA	Mr. Vishwas H.N. Lecturer, Dept. of Pharmacy Practice vishwas@jssuni.edu.in	<ul style="list-style-type: none"> To foster communication and exchange of information, resources, and experiences between clinical pharmacists Student & Faculty Exchange
3.	Pfizer Healthcare India Private Ltd., Chennai	Dr. Ganesh G.N.K Associate Professor, Dept. of Pharmaceutics gnk@jssuni.edu.in	<ul style="list-style-type: none"> Joint collaboration in developing talent and expertise in the area of Regulatory science. To collaborate and conduct research on areas of mutual interest Student Internship programme and recruitment Exchange of knowledge in development of course work, Organise guest lectures.
4.	Sai Mirra Innopharm Pvt Ltd., Chennai	Dr. J.S.K. Nagarajan Associate Professor Dept. of Pharmaceutical Analysis jsk.nagarajan@jssuni.edu.in	<ul style="list-style-type: none"> To identify methods and health technology needs, formulate research & developments that address the needs of the nation To collaborate and conduct research on areas of mutual interest Student Internship programme and recruitment Exchange of knowledge in development of course work, Organise guest lectures.
5.	Delvin Formulation Pvt Ltd., Chennai	Dr. J.S.K. Nagarajan Associate Professor Dept. of Pharmaceutical Analysis jsk.nagarajan@jssuni.edu.in	<ul style="list-style-type: none"> To identify methods and health technology needs, formulate research & developments that address the needs of the nation To collaborate and conduct research on areas of mutual interest Student Internship programme and recruitment Exchange of knowledge in development of course work, Organise guest lectures.

6.	Tablets (India) Limited, Chennai	Dr. N. Jawahar Associate Professor Dept. of Pharmaceutics jawahar.n@jssuni.edu.in	<ul style="list-style-type: none"> • To identify methods and health technology needs, formulate research & developments that address the needs of the nation • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
7.	Allianz Biosciences Pvt Ltd., Puducherry	Dr. N. Jawahar Associate Professor Dept. of Pharmaceutics jawahar.n@jssuni.edu.in	<ul style="list-style-type: none"> • To identify methods and health technology needs, formulate research & developments that address the needs of the nation • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
8.	Nuray Chemicals Pvt, Ltd. Chennai	Dr. J.S.K. Nagarajan Associate Professor Dept. of Pharmaceutical Analysis jsk.nagarajan@jssuni.edu.in	<ul style="list-style-type: none"> • To identify methods and health technology needs, formulate research & developments that address the needs of the nation • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
9.	SMC Medical Manufacturing Private Limited, Bengaluru	Dr. K. Gowthamarajan Professor & Head Dept. of Pharmaceutics gowthamsang@jssuni.edu.in	<ul style="list-style-type: none"> • Joint collaboration in developing talent and expertise in the area of Medical Devices and its regulatory components. • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
10.	Global Health City, Chennai	Dr. S. Ponnusankar Professor & Head Dept. of Pharmacy Practice drsponnusankar@jssuni.edu.in	<ul style="list-style-type: none"> • To facilitate internship training of Pharm D students and post graduates in clinical departments. • To promote collaborative research and career opportunities between partnering institutes
11.	VGM Hospital Coimbatore	Dr. S. Ponnusankar Professor & Head drsponnusankar@jssuni.edu.in	<ul style="list-style-type: none"> • To facilitate internship training of Pharm D students and post graduates in clinical departments. • To promote collaborative research and career opportunities between partnering institutes
12.	PSG Arts & Science College, Coimbatore	Dr Justin A Associate Professor justin@jssuni.edu.in	<ul style="list-style-type: none"> • To collaborate and conduct research on areas of mutual interest • Student exchange programme • Exchange of knowledge in development of course work, Organise guest lectures.

13.	Human Biologicals, Ooty	Dr R Shanmugam Coordinator TIFAC- CORE shanmugamr@jssuni.edu.in	<ul style="list-style-type: none"> • To identify methods and health technology needs, formulate research & developments that address the needs of the nation • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
14.	National Ayurveda Research Institute, Kerala	Dr R Shanmugam Coordinator TIFAC- CORE shanmugamr@jssuni.edu.in	<ul style="list-style-type: none"> • To identify methods and health technology needs, formulate research & developments that address the needs of the nation • To collaborate and conduct research on areas of mutual interest • Student Internship programme and recruitment • Exchange of knowledge in development of course work, Organise guest lectures.
15.	Royal Care Super Speciality Hospital	Dr. S. Ponnusankar Professor & Head Dept. of Pharmacy Practice drsponnusankar@jssuni.edu.in	<ul style="list-style-type: none"> • To facilitate internship training of Pharm D students and post graduates in clinical departments. • To promote collaborative research and career opportunities between partnering institutes
16.	Government Medical College & Hospital Ooty	Dr. S. Ponnusankar Professor & Head Dept. of Pharmacy Practice drsponnusankar@jssuni.edu.in	<ul style="list-style-type: none"> • To facilitate internship training of Pharm D students and post graduates in clinical departments. • To promote collaborative research and career opportunities between partnering institutes
17.	Ganga Hospital, Coimbatore	Dr. S. Ponnusankar Professor & Head Dept. of Pharmacy Practice drsponnusankar@jssuni.edu.in	<ul style="list-style-type: none"> • To facilitate internship training of Pharm D students and post graduates in clinical departments. • To promote collaborative research and career opportunities between partnering institutes

Organization with which MoU/ Agreement is signed	Year of signing MoU	Duration	List the actual activities under each MoU /agreement year wise	Number of students/teachers participated under MoU
JSS Hospital Mysuru	1.4.2023	1.4.2026	Utilizing the services of operation theatre, all the diagnostic services, radiology services including CT & MRI, laundry, ambulance, and all other services available at JSS Hospital	Medical Superintendent JSS Hospital & The Principal JSS Dental College & Hospital
Curaden India Pvt. Ltd. # 11, Global Tech Park O'Shaughnessy Road Langford Town Bengaluru-560025	15.03.2023	15.03.2026	<ol style="list-style-type: none"> 1. Nurses training organized by SIG Diabetes & Oral Care, Dept. of Periodontology in collaboration with Curaden 23.11.2022 & 24.11.2022 2. Providing preventive dental education programme iTOP to faculty of JSS Dental College & Hospital (Faculty and PG's Dept. of Periodontology) 3. They will train the dental faculty on the correct usage and technique of interdental brushes, tooth brushing techniques, dental flossing and other oral hygiene aids. 4. They will also conduct regular refresher courses for the dental teaching faculty 5. 	Dr Ravindra S, Principal, JSS Dental College & Hospital & Mr Clifford Zur Nieden, Director, Curaden India Pvt., Ltd., Bengaluru
Ethicare Clinical Trial Service Ahmedabad	27.01.2023	6 Months	<ul style="list-style-type: none"> • Drug trial on patients • Free treatment for patients • Income from Clinical trial services • Recognition of site as clinical trial center 	Dr Chandan S N (PI) Reader, Dept. of OMFS, JSSDCH Dr Dhakshaini M R Principal, JSSDCH & Ethicare Clinical Trial Service Ahmedabad

Organization with which MoU/ Agreement is signed	Year of signing MoU	Duration	List the actual activities under each MoU /agreement year wise	Number of students/teachers participated under MoU
Straumann Dental India LLP, 501, Alpha building, Hiranandani Business park, Powai, Mumbai, Maharashtra-400076	November 2022	September 2023	Comprehensive training in implant dentistry in association with Straumann organize and conduct standardized education training	Dr Ravindra S Principal, JSS Dental College & Hospital & Mr Sandeep Choudhary Executive Chairman Straumann Dental India LLP
Dept. of Electronics & Communication Engineering, Maharaja Institute of Technology, Mysore	02.08.2022	To the time period of the study	Design and Development of Electronic assistance for developing devices/equipment for Prosthodontic services.	Principal MIT, Mysuru Dr Ravindra S Principal, JSS Dental College & Hospital & Dr Nandithakumar M, Reader, Dept. of Prosthodontics and Crown & Bridge
SJCE-STEP JSS Science and Technology University campus, Manasagangothri, Mysuru SJCE-STEP NIDHI PRAYAS	06.06.2022	06.06.2023	Manual Dental Chair lacks the ergonomics and the ease of controls. The current innovation is the development of a conversion kit to include electronic controls to the manual dental chair, which provides ease of working. The novelty is in the air-chipping system, 4 hole hand piece system and ergonomic dentist controlled foot control unit to make the entire chair movement easy to control and hands free.	Mr Jayachandran P P Care of SPARKLE CINE foundation JSSAHER & Chief Executive Secretary SJCE-STEP JSS Science and Technology University campus, Manasagangothri, Mysuru

RESEARCH COLLABORATION WITH NGOs/ UNIVERSITIES/ INDUSTRIES

Details of research Collaboration with other Universities/ Industries / organizations

Sl. No.	Name of the University/Industry/ Organization	Nature of collaboration	Coordinating person
1.	KwaZulu Natal University, South Africa	Academic Research	Dr. S. N. Manjula
2.	Texas Southern University, USA	Faculty & Student exchange	Dr. D V Gowda
3.	Open University of Sri Lanka	Supporting & mentoring B.Pharm Program	Dr. D V Gowda
4.	Biocon Academy, Bengaluru	Knowledge partners for RA Program	Dr. M P Venkatesh
5.	IDP, Mysuru	Required criteria for pursuing higher studies abroad	Dr. Amit B Patil
6.	Edhaa Innovations Pvt Ltd Mumbai	Formulation development	Dr. Amit B Patil
7.	NIPER, Hajipur	Collaborative research	Dr. M Ramesh
8.	Karnataka State Pharmacy Council, Bengaluru	Continuing Pharmacy education program	Dr. M Ramesh
9.	Teresian College, Mysuru	Academic Research	Dr. S. N. Manjula
10.	JSS Academy of Technical Education, Bengaluru	Academic Research	Dr. S. N. Manjula

11.	Govt. Ayurvedic Medical College, Mysuru	Academic Research (RGUHS Sponsored research project)	Dr. K L Krishna
12.	Teresian College, Mysuru	Academic Research	Dr. K L Krishna
13.	Biodeal Pharma Pvt. Ltd., Delhi	Formulation & Evaluation of Charcoal Tablet	Dr. Amit B Patil
14.	Biodeal Pharma Pvt. Ltd., Delhi	Formulation & Evaluation of terbinafine spray	Dr. Amit B Patil
15.	University of Saskatchewan, Canada	Research Project	Dr. Saravana Babu C
16.	RL Fine Chemicals, Yelanka, Bangalore	Impurity profiling of CNS Drugs	Dr. Anandkumar Tengli
17.	CFTRI, Mysuru	Cell line studies	Dr. J Suresh
18.	Embiotic,Laboratory (P) Ltd, Bangalore	Formulation	Dr. Sheshagiri Dixit
19.	Study in India Programme of the MOE , Govt of India	MoE	Dr. Vishal Kumar Gupta
20.	La Trobe University, Australia	Student Rotation	Dr. M Ramesh
21.	Edhaa Innovations Private Limited, Mumbai	MoU	Dr. D V Gowda

JSS AHER 'S COLLABORATION WITH SCCP, BIDMC & HARVARD MEDICAL SCHOOL, BOSTON, USA ON GATHERING AND MEASURING DATA FOR THE SDGS

JSS Academy of Higher Education & Research (JSSAHER) in association with JSS Medical College & Hospital , JSSAHER currently has three collaborative research activities with BIDMC, Harvard Medical School, Boston USA for supporting activities related to gathering and measuring data for SDG 3, SDG 15 & SDG 17.

Dr. Kanakavalli K. Kundury, Assistant Professor, Department of Health System Management Studies and Coordinator, SIGPCM under the leadership of Dr. H. Basavana Gowdappa, Principal, JSS Medical College have initiated collaborative research activities with Dr. Bala Subramaniam, Professor of Anesthesia, and Director, Sadhguru Center for Conscious Planet, Beth Israel Deaconess Medical Center; Harvard Medical School, Boston, USA.

Currently there are 3 collaborative research projects in-progress between the institutions.

1. A study to determine the incidence and prevalence of diabetes mellitus among yoga practitioners
2. To assess the impact of yoga on personality changes and lifestyle modifications
3. Prevalence of mystical experiences with yoga & meditation

Guests talks and project discussions are conducted through online meetings periodically to monitor the status of projects.

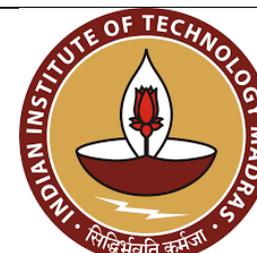
LIST OF COLLABORATING INSTITUTIONS AND INDUSTRIES FOR RESEARCH AND ACADEMIC PURPOSE

INTERNATIONAL COLLABORATIONS

 <p>LA TROBE UNIVERSITY</p>	 <p>KHORRAMSHAHR UNIVERSITY</p>	 <p>QUINNIPAC UNIVERSITY HARTFORD, CONNECTICUT</p>	 <p>The Genomic Medical Foundation, UK</p>
 <p>MANCHESTER 1824 The University of Manchester</p>	 <p>PRIFYSGOL BANGOR UNIVERSITY</p>	 <p>UNIVERSITY OF OXFORD</p>	 <p>THE UNIVERSITY OF EDINBURGH</p>
 <p>A THE UNIVERSITY OF ARIZONA</p>	 <p>I-CARE HEALTH TRAINING INSTITUTE Learn To Care</p>	 <p><i>nova</i> biomedical</p>	 <p>iMERA</p>
 <p>UNIVERSITAS BOSTONIENSIS CONDITA MDCCCXXXIX</p>	 <p>Maastricht University</p>	 <p>University of Chester</p>	 <p>Google</p>



WITHIN COUNTRY COLLABORATIONS





ST. JOHN'S
NATIONAL ACADEMY OF
HEALTH SCIENCES



AIIMS

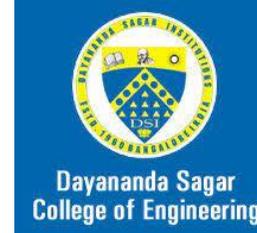
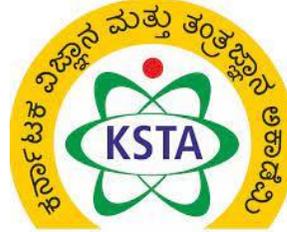
All India Institute Of Medical Sciences

S ShanMukha



JSSATE
BENGALURU





Dr. Jamuna Bai A, Assistant Professor, Department of Microbiology received the Best Team Presentation Awards from the New York Academy of Sciences and Japan Agency of Medical Research and Development (AMED) on 15th September 2022.

Dr. Jamuna Bai A, received the best team presentation award, New York Academy of Sciences and Japan Agency of Medical Research and Development (AMED) Ms. Anisha Jain has been awarded with a Travel Fellowship from the European Association of Cancer Research (EACR) and has been allocated a financial support of €3000.00 to visit Dr. Rafael Rosell's lab at the Instituto Oncológico Dr Rosell (IOR) in Barcelona, Spain for the duration of 3 months.

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
MYSURU

EACR European Association for Cancer Research

IOR INSTITUTO ONCOLÓGICO DR ROSELL

EACR Travel Fellowships
worldwide cancer research

Ms. Anisha Jain, Lady Tata Memorial Trust (LTMT) Fellow (Guided by Dr. Ashwini P and Dr. Chandan S) at the Department of Microbiology, JSS Academy of Higher Education & Research, Mysuru, has bagged one of the most prestigious **Travel Fellowship from the European Association of Cancer Research (EACR)** and has been allocated €3000.00 to support her visit to Dr. Rafael Rosell's lab at the Instituto Oncológico Dr Rosell (IOR) in Barcelona, Spain for the duration of 3 - 4 months to carry out a part of research work. The application received independent review by the EACR Travel Fellowship Committee, who assessed it on five criteria: Suitability of the applicant | Quality of the host lab | Feasibility of the trip | Benefit for the home lab | Relevance of the project

Dr. Rafael Rosell is the Medical Director and President of the Dr. Rosell Oncology Institute. He pays special attention to the field of translational oncology of large-cell lung cancer. He has written over 600 scientific articles in renowned medical journals, such as the New England Journal of Medicine, Clinical Cancer Research, Oncogene, The Lancet, The Lancet Oncology, Annals of Oncology and many more. He is also a member of editorial committees for various prestigious journals and has won many awards in acknowledgement of his extensive scientific work. Till date he has participated in a total of 6 patents. Special attention must be given to his contributions to the field of translational oncology in non-small-cell lung cancer, as the first to prove the superiority of Tarceva® in terms of progression-free survival in European patients with EGFR gene mutations who were treated in the EURTAC trial.

Ms. Anisha Jain has been awarded with a Travel Fellowship from the European Association of Cancer Research (EACR)

Dr. Shivaraju H P, Associate Professor and Coordinator, Department of Environmental Sciences, JSS Academy of Higher Education and Research, Mysuru visited the Department of Chemical Engineering, Khon Kaen University Thailand from 10th August 2022 to 9th September 2022 under the faculty exchange program. (From Left) Dr. Kitirote Wantale, Associate Professor, Department of Chemical Engineering, Khon

Kane University, Khon Kaen, Dr. Shivaraju H P, Associate Professor, Department of Environmental Sciences, JSS Academy of Higher Education and Research, Mysuru, and Dr. Kanyarat Holasut, Associate Professor and Head, Department of Chemical Engineering, Khon Kane University, Khon Kaen.

Dr. Shivaraju H P, Associate Professor, Department of Environmental Sciences at Khon Kane University, Khon Kaen.

Dr. D.Guru Kumar, Department of Biochemistry, Chaired a session in a Research scholar presentation at the International Conference on Professional Development and Advanced Training in Artificial Intelligence driven drug Design, discovery and Development” held at the Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Ooty from 14.10.2022 to 15.10.2022, Certificate of Appreciation

Dr.D.Guru Kumar Presented a Research paper in the International Conference on Professional Development and Advanced Training in Artificial Intelligence driven drug design, discovery and development” held at Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Ooty from 14.10.2022 to 15.10.2022

Dr.D.Guru Kumar, Faculty Department of Biochemistry receiving certificate at the International Conference, JSS College of Pharmacy, Ooty. Partnership through financial assistance for research project

Mrs. Mrudula MM research scholar working under the guidance of Dr. Kiran Kumar MN, Department of Biotechnology and Bioinformatics, received DST women Scientist award for the project entitled “Aeroallergen-Adjuvant Co-administration via Nasal Delivery as a Novel Allergen Specific Immunotherapy to Allergic Asthma”

Mr. Pavan Kumar research scholar working under the guidance of Dr. Kiran Kumar MN Department of Biotechnology and Bioinformatics received Lady TATA Memorial fellowship for the project entitled “Micro delivery of Microneedle Encapsulated Vaccine Adjuvant for allergen specific immunotherapy to house dust mite allergy.”

EXTERNAL FUNDED PROJECTS

Funding agency	PI Department	Collaborative Departments	Area of Research	Funds in Rupees
Christian Medical College, Vellore	Paediatrics Dr.Rajani H.S.	Multi Centric Study (Kerala, Maharashtra, Gujarat)	Rotasiil Vaccine	8,10,936.00
	Paediatrics Dr.Rajani H.S.	Multi Centric Study (Kerala, Maharashtra, Gujarat)	Rotasiil Vaccine	3,94,632.00
Nidhi Prayas	E.N.T. Dr.Amulya T.M.	College of Pharmacy, Mysuru IISC, Bangalore	Nasal stunts	10,00,000.00
iMERA	Radiology Dr.Vikram Patil	--	MSK Radiographs	10,00,000.00
Novartis	Comm. Medicine Dr.Anil Bilimale	Anatomy Paediatrics	Ambari-Sickle cell disease, Health system project	28,00,000.00
Bodoland University, Assam	Anatomy Dr.Deepa Bhat	--	Cognitive abilities between hydroxy urea treated & untreated SCD children	15,00,000.00
	Anatomy Dr.Deepa Bhat	Comm. Medicine Annupur paras MC, Vadodara	Social Stigma, pain crisis and SCD	1,20,00,000.00
Institute of Public Health Bangalore	Anatomy Dr.Deepa Bhat	Biochemistry	Sickle cell Disease Genotyping of DNA samples (THETA)	4,17,200.00
TIGS	Anatomy Dr.Deepa Bhat	OBG, Paediatrics	Optimizing ex-vivo hematopoietic stem cell culture and gene editing	2,00,000.00
DST	Biochemistry Dr.Rajesh Kumar T.	--	Dyslipidemia	32,81,350.00
	Biochemistry Dr.MVSST Subbarao	--	FIST programme	56,40,000.00
	Biochemistry Dr.Divya P.Kumar	Gastroenterology	AATF in non-alcoholic steato hepatitis	30,00,000.00

	MVSST Subarao	Biochemistry, JSSCPM	Therapeutic potential of olfaction for treating dementia	40,00,000.00
DST PURSE	Dr Prashant V	Biochemistry School of life sciences	--	17,36,00,000.00
DST Sathyam	Comm. Medicine Dr.Madhu B	Physiology Dept. of Yoga	Yoga, Stress and Covid	5,50,000.00
DBT	Anatomy Dr.Deepa Bhat	--	Centre for training research and innovation in Tribal Health	71,00,000.00
	Comm. Medicine Dr.Praveen Kulkarni	Biochemistry Psychiatry	Micronutrient deficiency and cognitive dysfunction in tribal areas	27,50,000.00
	Biochemistry Dr.Rajesh Kumar T.	College of Pharmacy	Air pollution and lung growth	3,50,00,000.00
	Biochemistry Dr.MVSST Subbarao	--	Vitamin D & CA Breast	49,69,600.00
	Respiratory Medicine Dr.P.A. Mahesh	Biochemistry	Air pollution	9,98,44,800.00
	Psychiatry Dr Kishore M	JSS College of Pharmacy, Mysuru	Geriatric Chronic cerebral hypoperfusion:	50,00,000.00
DBT Builder	Biochemistry Rajesh T Kumar	Department of Pharmaceutics, JSSCPM	BUILDER Programme	6,00,00,000
DBT Ramalingaswamy	Biochemistry Dr.Divya P.Kumar	--	Hepatocellular Carcinoma	1,13,60,000.00
	Biochemistry Dr.Prasanna Kumar	---	Hepatocellular Carcinoma	1,13,60,000.00
SERB-CRG	Medical Genetics Dr. Vinay Kumar MB	Biochemistry	Cancer cachexia	5000000.00
CSIR IICB	Biochemistry Dr.MVSST Subbarao	--	Chronic Respiratory disease	7,32,792.00
ICMR	Biochemistry Dr.M.N.Suma	OBG Pathology	Cervical Cancer	22,93,316.00

Anatomy Dr.Deepa Bhat	Biochemistry Comm. Medicine Paediatrics	Sickle Cell Disease		53,42,986.00
Microbiology Dr.Vidya B.C.	Anatomy Clinical Psychology Comm. Medicine	Screening for Sexually transmitted infections		23,00,000.00
Biochemistry Dr.Akila Prashant	Paediatrics	Inherited metabolic disorders		2,44,250.00
Biochemistry Dr.Devanand	Paediatrics JSS Dental College	Bone mineral density in children and RO water consumption		20,41,000.00
Biochemistry Dr.MVSST Subba Rao	JSS Dental College	Inflammatory markers, Periodontitis and Type II Diabetes		18,60,000.00
Biochemistry Dr.Prasannakumar	Surgical Gastroenterology	Staphylococcal nuclease containing SND1 in obesity associated NAFLD		44,00,000.00
Biochemistry Dr.Shobha C.R.	General Medicine	Genes regulating adipogenesis & vitamin D		45,53,000.00
Paediatrics Dr.K.Jagadish Kumar	College of Physiotherapy	Indian folk games and cerebral palsy		24,00,000.00
Cardiology Dr.Sunil Kumar S	General Medicine Geriatrics	Yoga care		12,84,240.00
Biochemistry Dr.Rajesh Kumar T.	School of Life Sciences	Millet based diet fiber & allergic Asthma		40,00,000.00
Biochemistry Dr.Divya P.Kumar	Gastroenterology	Hepato Cellular Carcinoma		32,41,000.00
Community Medicine Dr Nayanabai Shabadi	Biochemistry	Chemical hazards among agriculture workers		36,96,817.00

	JSS Dental College	Psychiatry Dr Kishor M Com Medicine Dr Praveen K	Enhancing counselling skills of dental students on tobacco cessation	25,00,000.00
	Anatomy Dr Hema Malini	Biochemistry, Endocrinology, OBG and Surgery	Single Nucleotide Polymorphism in Thyroid hormone and dyslipidemia	5,15,000.00
	Biochemistry Dr. Akila Prashant	Anatomy	National Registry for Rare and other Inherited disorders (NRROID)	244000.00
KSTA	Biochemistry Ms.Varsha	--	SP1 transcription in HCC	35,000.00
	Biochemistry Ms.Nirmal G.S.	--	Quercetin & HCC	35,000.00
	Biochemistry Ms.Medha Karnik	--	Inflammatory cytokines and cervical cancer	35,000.00
MAMTA HMIC, New Delhi	Comm. Medicine Dr.Sunil Kumar D.	SJCE	Mental Health Care & Medical Technology	1,00,000.00
	Comm. Medicine Dr.Madhu B.	--	Quality of life among diabetes	1,00,000.00
Christian Medical College, Vellore	Paediatrics Dr.Rajani H.S.	Multi Centric Study (Kerala, Maharashtra, Gujarat)	Rotasiil Vaccine	8,10,936.00
	Paediatrics Dr.Rajani H.S.	Multi Centric Study (Kerala, Maharashtra, Gujarat)	Rotasiil Vaccine	3,94,632.00
IADV L	Dermatology Dr.Vinutha Rangappa	Biochemistry	Vitiligo	4,42,480.00
	Dermatology Dr.Ashwini P.K.	--	Oral Lichen Planus	4,50,000.00

Dr Somashekar and Malathi Health and Wellness Foundation	Comm. Medicine Dr.Praveen Kulkarni	General Medicine	Health Awareness Project for rural areas in North Karnataka	4,85,000.00
Nidhi Prayas	E.N.T. Dr.Amulya T.M.	College of Pharmacy, Mysuru IISC, Bangalore	Nasal stunts	10,00,000.00
iMERA	Radiology Dr.Vikram Patil	--	MSK Radiographs	10,00,000.00
Novartis	Comm. Medicine Dr.Anil Bilimale	Anatomy Paediatrics	Ambari-Sickle cell disease, Health system project	28,00,000.00
MPMRT	General Medicine Dr.Savitha V.	Comm. Medicine	Thyroid disfunction with iron deficiency	3,00,000.00
Bodoland University, Assam	Anatomy Dr.Deepa Bhat	Community Medicine	Cognitive abilities between hydroxy urea treated & untreated SCD children	15,00,000.00
	Anatomy Dr.Deepa Bhat	Comm. Medicine Annupur paras MC, Vadodara	Social Stigma, pain crisis and SCD	1,20,00,000.00
Institute of Public Health Bangalore	Anatomy Dr.Deepa Bhat	Anatomy Biochemistry	Sickle cell Disease Genotyping of DNA samples (THETA)	4,17,200.00
Latrobe University, Melbourne	Microbiology Dr.M.N.Sumana	--	Microbial population in soil	11,50,000.00
	Respiratory Medicine Dr.B.S.Jayaraj	--	Asthma & Air pollution	26,18,682.00
Swedish Heart Lung Foundation	Respiratory Medicine Dr.P.A.Mahesh	--	COPD	65,83,300.00
Swedish Karolinska Institute	Respiratory Medicine Dr.P.A.Mahesh	--	COPD	50,46,000.00
WHO	Comm. Medicine Dr.Praveen Kulkarni		Diabetes & Hypertension	2,74,575.00
	Comm. Medicine Dr.Anil Bilimale	General Medicine Paediatrics ENT	O2 COV2 oxygen requirements in Covid patients	23,43,390.00
PHRI, Hamilton, Canada	General Medicine	Comm. Medicine	International polycap study	11,72,164.00

	Dr.K.M.Srinath			
National Institute of Health, USA	Biochemistry Dr.MVSST Subba Rao	PHRII	Inflammatory cytokines & HPV infected women at risk for cervical cancer	16,89,000.00
Imperial College, London	Respiratory Medicine Dr.P.A.Mahesh	--	Bold-II Study	11,14,318.00
University of Birmingham	Respiratory Medicine Dr.P.A.Mahesh	--	SIRPAC study	20,00,000.00
University of Arizona	Dr MVSST Subbarao	PHRII	CARE study	24,45,000.00

INDUSTRY SPONSORED PROJECTS

Sl No	Title	Principal Investigator	Departments involved	Funding agency	Year of Sanction	Amount sanctioned	Duration
1	Community-centered health system strengthening for outpatient antimicrobial stewardship with Replicating Effective Programs Framework	Dr.Sumana M.N	Microbiology	JSSAHER &Pfizer	2022	35,50,925.00	3 years
2	ATP evaluation of anti biofilm and anti microbial efficacy of dense denture cleanser tablet	Dr. Nandlal B	Pedodontics	JSSAHER & Group pharmaceuticals	2022	3,65,000.00	1 year
3	Genomic studies to identify modifiers of beta thalassemia	Dr.Deepa Bhat	Anatomy, Peadtrics	Medgenome	2022	18,00,000.00	2 Years
4	Genetic analysis of Parkinson disease in the Indian population	Dr.Deepa Bhat	Anatomy Neurology	Medgenome	2022	18,00,000.00	Case Based
5	Impact of use of oral Nutritional supplement on physical health, mental health & immune health in growing children at risk of under nutrition	Dr.Prashanth S N	Paediatrics Psychology	Sun pharmaceutical Industries Ltd.	2022	5,26,350.00	1 year
6	Comparative study of Fast MRI based on AI. (Phase 4)	Dr. Rudresh Hiremath	Radiology	AIKNIEST	2022	1,97,200.00	1 year
7	Post market clinical follow up of X-ray (Skandrad 400)	PI: Dr. Vikram Patil	Radiology	SKANRAY	2022	2,36,250.00	1 year
8	Optimizing ex-vivo hematopoietic stem cell culture and gene editing	Dr.DeepaBhat	Anatomy	TIGS	2023	2,00,000.00	1 year
9	Early identification of metabolic function derangements by Humors' smart breath analyzer and its validation as a screening tool	Dr Nayanabai Shabadi	Community Medicine	Humor Tech International Limited	2023	2,00,000.00	1 year
10	Post-market clinical data Analysis with Skanray's defibrillators	Dr Manjappa M	Cardiology	SKANRAY	2023	5,00,000.00	1 year

NOVA BIOMEDICALS (INDUSTRY SPONSORED) RESEARCH – ONGOING

Sl. No.	Title of the study	Name of the Principal investigator and Co-investigators	Study duration in months
1.	Role of Ionized Magnesium in Critically Ill Acute Kidney Injury Patients	Dr Manjunath S Shetty Dr Manoj C Dr. Suma M.N.	24
2.	Comparison of Spot serum Creatinine estimation by StatSensor Creatinine meter and Serum Creatinine estimation by conventional enzymatic method	Dr Manjunath S Shetty Dr Manoj C Dr. Abhijith	24
3.	Correlation of total and Ionised Magnesium levels between pregnant women admitted in third trimester and their Newborn.	Dr. Sowmya K Dr.Suma KB DR Srinivasa Murthy Dr Kusuma KS	06
4.	Ionised magnesium level in children admitted to paediatric intensive Care unit at JSS Hospital, Mysuru	PIs: Dr Rajani H S, Dr Jagadish Kumar K Co-Investigators: Dr. Akila Prashant, Dr. Basavana Gowdappa, Dr. Praveen Kulkarni. USA: Dr. Dennis Begos and Dr. Vishakantha Murthy	06
5.	Ionised magnesium level in children with acute covid 19 infections And post covid mis - c admitted under Paediatric department at JSS Hospital, Mysuru	PIs: Dr Rajani H S, Dr Jagadish Kumar K Co-Investigators: Dr. Swetha NK, Dr. Basavana Gowdappa, Dr. Praveen Kulkarni. USA: Dr. Dennis Begos and Dr. Vishakantha Murthy	06
6.	Reference range for whole blood ionized magnesium in healthy children Between 0-19 years of age.	Dr Rajani H S, Dr Jagadish Kumar K	06

		Dr. Shobha CR, Dr. Basavana Gowdappa, Dr. Praveen Kulkarni. USA: Dr. Dennis Begos and Dr. Vishakantha Murthy	
7.	A Correlation between total and ionised Magnesium levels in Chronic Heart Failure patients with reduced ejection fraction pilot study.	Dr. Manjappa, Dr. Swetha NK	12
8.	Correlation between total and ionised Magnesium levels in Acute decompensated Heart Failure (ADHF) and Acute Coronary Syndrome (ACS) patients in a tertiary care hospital.	Dr. Manjappa Dr. Prashant Vishwanath,	12
9.	Unrecognised ionised hypomagnesemia and incidence of complications in cardiac intensive care unit.	Dr. Manjappa, Dr. Prashant Vishwanath,	12
10.	Effects of therapy on estimated plasma volume (ePV) in patients with acute decompensation of chronic heart failure: A prospective observational study.	Dr. Manjappa, Dr. Kusuma KS	12
11.	Ionized magnesium levels in critically ill Covid- 19 patients and its effects on the severity and patient outcomes	Dr. Akshay H. M, Dr. Sahana KR	24
12.	Comparison of Ionised Magnesium between sick and stable Preterm Newborns	Dr.Srinivasa Murthy Dr.Deepti Dr.Sushma, Dr.Akila Prashant	06
13.	Comparison of Ionised Magnesium between sick and stable term Newborns	Dr.Deepti Dr.Sushma Dr.Srinivasa Murthy, Dr.Swetha NK	06
14.	Ionised Magnesium levels in healthy Term and late preterm Newborns	Dr.Sushma Dr.Deepti Dr.Srinivasa Murthy, Dr.Shobha	12

LIST OF RESEARCH COLLABORATIONS

SI No	Collaboration with Institution name	Area	Objectives
1	Institute of Public Health	Hemoglobinopathies	CTRITH
2	Tata Institute for Genetics and Society (TIGS)	Genetics	Joint research in disease biology, community engagement in the field of blood disorders and social science research in understanding the challenges and needs of patients with blood disorders between the JSS Medical College, Mysuru (JSSMC, Mysuru) and the Tata Institute for Genetics and Society (TIGS).
3	Bodoland University, Assam	Cognitive abilities among SCD children	Cognitive abilities between hydroxy urea treated & untreated SCD children
4	CSIR-CFTRI and JSS STU, Mysore	AI and Diabetes	To develop a personalized meal plan for individuals with diabetes using artificial intelligence
5	Bangalore Baptist Hospital	Spinal Muscular atrophy	Standardizing and developing a PCR-based diagnostic tool to identify SMN1 exon7 deletion.
6	Center for cellular & Molecular Biology, Hyderabad	Genetics of Diabetes Mellitus	Research Collaboration
7	The Genomic Medicine Foundation UK (GMF-UK)	Medical genomics	To formulate multi-centric collaborative research and development projects in Medical Genomics. <ul style="list-style-type: none"> • To publish outcomes of joint research collaborations in peer reviewed open access biomedical journals and online resources. • To develop protocols and establish links for providing quality molecular diagnostic laboratory services at JSS Hospital and Medical College.
8	Public Health Research Institute of India	Cervical Cancer	Screening of women for cervical cancer using HPV kit and collaborative publications
9	Karnataka Science and Technology Academy	Biochemistry	Hepatocellular carcinoma
10	Gulf Medical University, UAE	Genetics	Observation and research work
11	IISE, Thiruvananthapuram	Genetics	Research work
12	Dayananda Sagar College of Engineering, Bangalore	Biochemistry	Research work
13	Tumkur University, Tumkur	Biochemistry	Research work
14	Sadvaidyasala Pvt., Ltd, Nanjangud B.V. PUNDIT's Traditional & Herbal Healthcare	Cancer Biology	1. To collaboratively undertake research on finding novel drug targets, isolation of compounds of medicinal value from herbal products. 2. To share competent and relevant services like providing Ayurvedic formulations to ensure quality research in finding novel drug targets. 5. To undertake joint scientific projects in the field of drug development.

15	The Leads Clinical Research and Bio-services Pvt.Ltd, Bengaluru	Pre clinical trials	Conduct of Clinical - Preclinical trials at JSS Medical college and hospital Exchange of facilities and expertise for collaborative or Independent research and publications based on the policies of both entitie
16	JSS Science and Technology	Artificial Intelligence	Automatic tool for generation of electronic health records for breast carcinoma using pathology information
17	JSS Science and Technology	Artificial Intelligence	Normalization and Classification of Histopathology Electronic Health Records on Breast Cancer Using Nlpand MI Approaches
18	Regional Cancer Centre, Trivandrum	Cancer Research	Student exchange, Collaborative research projects and publications
19	Kempegowda Institute of Medical Sciences	Genomic AMR Surveillance of WHO priority Bacterial Pathogens in India	To Provide actionable data at national and international levels to identify high-risk lineages of bacterial pathogens and determinants of antibiotic resistance, and open-access tools to understand their distribution and spread.
20	Karuna Trust an NGO	Community-cantered health system strengthening for outpatient antimicrobial stewardship with Replicating Effective Programs Framework	To change the prescription practices of antibiotics at Primary Health care levels of Tithimathy, Sreemangala and Gumballi villages
21	Swami Vivekananda Youth Movement, Mysore	Tribal health	<ul style="list-style-type: none"> • To collaboratively undertake health care research especially focused on public health • To share competent and relevant human resources for training health care professionals. • To undertake joint consultancy assignment in public health.
22	Institute for Global Public Health Frank H. Netter MD School of Medicine Quinnipiac University, USA	Global public health	Joint or co- operated scientific research in selected areas of mutual interest.
23	GRAAM	Urban Youth Governance	<p>To develop students of MPH with professionalism, leadership and to be socially responsible youth of the nation.</p> <ul style="list-style-type: none"> • To Build the Capacity of the MPH students on Urban Governance issues including Urban Health and Sanitation challenges. • To Mentor students in the space of urban governance and to conduct group research, for in-depth understanding of the urban governance issues. • To embrace the challenges of the 21st Century by being part of the governance system and to find innovative solutions to new age challenges
24	University of Arizona	International Collaboration for empowering Public Health Education	<p>To work jointly in developing and implementing research with regard to health services, public policy, health equity especially with tribal communities, comprehensive primary health care, non-communicable diseases, and other key elements of health for all and universal health coverage.</p> <p>Joint PhD programme & internship training</p>

25	Piramal Swasthya	Public Health, Tribal Health	Collaborative research on health services, public policy, health equity especially with tribal communities, comprehensive primary health care, non-communicable diseases, neglected tropical diseases and other key elements of health for all and universal health coverage.
26	Novartis	Sickle Cell Disease, Health system strengthening	Objective 1: Identification of Mentors & Formation of state specific SCD Technical Committee to conceptualize and implement SCD care model in the region Objective 2: Education & Certification Program of HCPs managing SCD in Karnataka Objective 3: Development of SCD management protocol: Objective 4: Defining the way forward charter to establish Integrated SCD
27	University of Boston	Impacts of Heat Stress on Maternal and New-born Health Outcomes in India, and Adaptations to Improve: An Interventional Study	To map heat wave vulnerable areas in three districts of Karnataka state with different climatic zones and evaluate the pre-selected low-cost sustainable exterior architectural interventions in existing residential buildings to reduce indoor heat. To assess the effectiveness of exterior architectural interventions to reduce indoor heat and improve the health outcomes of mother and child residing in heat wave vulnerable areas in Gulbarga, Mangalore and Mysore.
28	Institute of Public Health, Bengaluru	Public health	To work jointly in developing and implementing research, including but not limited to research on health services, public policy, health equity especially with tribal communities, comprehensive primary health care, non-communicable diseases, and other key elements of health for all and universal health coverage.
29	Mysore Physicians Medical and Research Trust	Thyroid dysfunction among pregnant women	Thyroid dysfunction and thyroid autoimmunity in women with iron deficiency anaemia in early pregnancy
30	Nesa MedTech	Uterine fibroids	RFA of Fibroid
31	iMERA.AI (UK)	Artificial Intelligence	Efficacy of deep learning algorithms in reporting MSK Radiographs
32	Aikenist	Artificial Intelligence	Fast MRI
33	JSS Academy of Technical Education, (JSSATE), Bengaluru	Biomedical applications in wound therapy	To provide laboratory facilities for determination of the antimicrobial activities Evaluation of rationally designed novel peptide-based biomaterials prepared by Faculty from JSSATE, Bengaluru and their students towards the biomedical applications such as wound therapy and tissue engineering. Development of novel material for the prevention of adhesions such as catheter coating.
34	IIT Madras	Air pollution	Community based projects on biomass fuel and particulate matter

35	Indian Institute of Technology- Bombay (IIT-B), Mumbai (MOA)	Air pollution and lung function	Lung function in children and effects of long term exposure to traffic induced pollution
36	USI & KEM hospital, Mumbai	Urology- Prostate	Audit of patients characteristics and surgical practices of management of BOO due to BEP among Indian population
37	MS Ramaiah Medical College, Bangalore	Epilepsy	To evaluate and treat Drug resistant epilepsy Surgical options for intractable epilepsy
38	All India Institute of Medical Sciences, Delhi	Biomedical applications in wound therapy	To provide laboratory facilities for determination of the antimicrobial activities Evaluation of rationally designed novel peptide-based biomaterials prepared by Faculty from JSSATE, Bengaluru and their students towards the biomedical applications such as wound therapy and tissue engineering. Development of novel material for the prevention of adhesions such as catheter coating.

CONFERENCE/ WORKSHOP/ CME/ SYMPOSIUM ORGANIZED & ATTENDED IN SUPPORT OF SDG 17

Date	Organizers	Event	Photographs
1st to 3rd July 2022	The Board of Genetic Counselling, India in collaboration with JSS Medical College, JSS Academy of Higher Education and Research, Mysore Karnataka.	7th Annual International conference in hybrid mode	
15 th July 2022	JSS Skill and Simulation Centre In association with Raymedi International affiliated to IBMS	ECG Workshop	
16 th July 2022 & 10 th Aug 2022	As a part of India Alliance Wellcome Trust project , funded to JSSMC with IPH and IIPH Bangalore, training organized at JSS Skill and Simulation Centre	Phlebotomy Training	
22 th July 2022	JSS Skill and Simulation Centre In association with Raymedi International affiliated to IBMS	Essential Nursing Critical Care (Encc) Workshop	

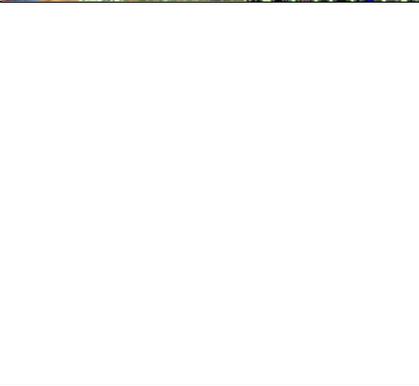
24 th July 2022	Department of OBG in association with Mysuru OBG Society.	NDVH (Non descent vaginal hysterectomy) & PPH Workshop	
20 th & 21 st August 2022	Department of Orthopaedics, JSS Medical College & Hospital, JSS Academy of Higher Education & Research, under the aegis of Indian Orthopaedics Association	National level 'IOA Cadaveric Skill Course on Pelvis & Acetabulum (Soft & Hard skill)	
24 th August 2022	Department of Orthopaedics, JSS Medical College & Hospital, JSS Academy of Higher Education & Research, under the aegis of Mysore Orthopaedics Association.	Basic Knee And Shoulder Arthroscopic Simulation And Cadaveric Workshop	
02 nd Sep 2022	In association with Raymedi International affiliated to IBMS	Essential Nursing Critical Care Workshop	

27th September 2022	Department of Geriatrics and Department of Pharmacology in association with Alzheimer's and Related Disorders Society of India (ARDSI) and JSS Senior Citizen Helpline	CME on "Elderly Awareness Of Healthy Ageing And Rejuvenation" With The Theme "Know Alzheimer's Know Dementia 2022"	
15 th Oct 2022	Department of Paediatrics in association with Mysore city OBG association.	Basic NRP Workshop For Obstetricians In Mysore	
16 th of October 2022	Department of Dermatology, in collaboration with IADVL academy and Executive Committee (EC) along with Special Interest Group (SIG) Pigmentary Disorders.	CME on Pigmentary Disorders Theme: FacialHyperpigmentation- An Update	
4 th & 5 th Nov 2022	Workshop conducted in association with Laerdal medical India.	Advance Life Support in Obstetrics course workshop	

<p>21st to 23rd Nov.2022</p>	<p>The Department of Biochemistry and Department of Medical Genetics, JSS Medical College and Hospital, co-organized by JSS Academy of Higher Education and Research, Mysuru, Karnataka, India & UK India Genomic Medicine Alliance Indo UK Genetic Education Forum with partial Funding from (DST-PURSE).</p>	<p>5th International Conference on Birth Defects (ICBD 2022) on the theme of “Precision Medicine for Birth Defects”</p>	
<p>7th Dec 2022</p>	<p>Department of Community Medicine, JSS Medical College, Mysuru in collaboration with Department of Studies in Food science and nutrition, University of Mysore, Mysuru and Department of Nutrition and Dietetics, School of life sciences, JSS Academy of Higher Education and Research, Mysuru</p>	<p>Pre- conference Workshop on Nutritional Assessment in National conference, MY NUTRICON 2022</p>	

<p>8th & 9th Dec 2022</p>	<p>Department of Community Medicine, JSS Medical College, Mysuru in collaboration with Department of Studies in Food science and nutrition, University of Mysore, Mysuru and Department of Nutrition and Dietetics, School of life sciences, JSS Academy of Higher Education and Research, Mysuru</p>	<p>National Conference on public health nutrition MY NUTRICON – 2022</p>	 
<p>02nd to 8th Jan 2023</p>	<p>Department of Biochemistry</p>	<p>National Level Hands-on Training Program On “Mass Spectrometry” at IISC campus, Bangalore (The DST STUTI Training program)</p>	
<p>05th Jan 2023 to 7th Jan 2023</p>	<p>Department of Psychiatry, JSSMC along with SASSM School India, IPS Foundation Day of Indian Psychiatric Society and Karnataka Sexual Sciences Academy</p>	<p>Residential clinical skills training workshop in psychosexual medicine</p>	

6 th , 7 th & 8 th January 2023	The Departments of Medicine, JSS Medical College & MMC & RI, Mysuru	MPMRT Annual Medicine Updates – 2023	
6 th Jan 2023	Pediatric department, JSS Medical college in association with Indian academy of pediatrics.	Advanced Neonatal resuscitation workshop	
22 nd Feb 2023	The Department of Medical Genetics and the Department of Biochemistry, JSS Medical College and Hospital, JSS Academy of Higher Education & Research, Mysuru organized as	pre-conference workshop on “Basic and advanced techniques in pharmacogenomics (as a part of IPSCON organized by JSS College of Pharmacy, Mysuru)	
17 th March 2023	The department of Anatomy in association with CUTIS academy, Bangalore, GUFIC Biosciences & Department of Dermatology, JSS Medical College.	Face-off Hands on cadaveric & injectables workshop	

<p>18th March 2023</p>	<p>Department of Community Medicine, JSS Medical College, Mysuru in association with District Tuberculosis Office, Department of Health, and Family Welfare, Mysuru and SIG in Public Health, JSSMC</p>	<p>National CME on Tuberculosis under the theme- Theme: “Yes! We can end TB! - Fundamentals to Advances”</p>	
<p>1st & 2nd June 2023</p>	<p>The School of Public Health, JSS Medical College, JSS Academy of Higher Education and Research, Mysuru, in collaboration with the Public Health Research Institute of India (PHRII).</p>	<p>International Symposium – “Swasthyam_2023” Theme: Public Health, Healthy Living, and Sustainable Development Goals</p>	
<p>17th June 2023</p>	<p>Department of Anatomy, JSS Medical College, JSS AHER, Mysuru in association with Karnataka Chapter of Anatomists</p>	<p>National CME on "Scope of Anatomy in Future"</p>	



International Webinars Conducted

Care Pathways for Caries Management For Children - Global Perspective

JSS Dental College & Hospital
Special Interest Group - Dental Cariology

RESOURCE FACULTY
DR. NORMAN TINANOFF
Professor
Dept. of Pediatric Dentistry
School of Dentistry
University of Maryland

WEBINAR ON
Care Pathways for Caries Management in Children : Global Perspective

Dr. Dhakshini M R
Principal
JSS Dental College & Hospital

Dr. Raghavendra Shanbhog
Program Coordinator & Member
SIG - Dental Cariology

Dr. Paras Muli J
Program Moderator & Member
SIG - Dental Cariology

Dr. Chanchala H P
Program Moderator & Member
SIG - Dental Cariology

14th February 2023 Tuesday 5:00 PM IST

DEPARTMENT OF FORENSIC ODONTOLOGY & ONLINE CERTIFICATE COURSE IN DENTAL ETHICS & JURISPRUDENCE
JSS AHER, MYSURU - 15

GUEST LECTURE
Medical Child Abuse and Altered Parenting Recognition in the Dental Clinic
By **Dr. Emilio Nuzzolese**

Join Online: 07:00 PM IST
Friday, 30.12.2022

Dr. Emilio Nuzzolese
Adjunct Faculty - JSS AHER
Researcher & Professor of Legal Medicine
University of Turin, Italy

Zoom Link
Program Coordinator
Dr. Swathi Kumareswar

A Webinar on Care Pathways for Caries Management for Children - Global Perspective was organized on 14th February 2023 by the Special Interest Group - Dental Cariology. The Resource Faculty was Professor Norman Tinanoff, Professor, Department of Pediatric Dentistry, School of Dentistry, University of Maryland, USA.

Guest Lecture on Medical Child Abuse And Altered Parenting Recognition In The Dental Clinic

Dr. Emilio Nuzzolese, Researcher and Professor of Legal Medicine and Adjunct faculty of JSSAHER gave an insightful Guest lecture on ' Medical Child Abuse and Altered parenting recognition in the dental clinic ' for the students of MSc Forensic Odontology and the students of the Online certificate course in Dental Ethics and Jurisprudence on the 30th of December, 2022 via zoom online meeting platform. The lecture was well received followed by faculty and student interaction.

Webinar On Overseas Placement for Dentists in UAE And Germany

PLACEMENTS FOR DENTISTS IN UAE AND GERMANY A webinar was organized by placement and training cell JSSDC&H on to 6.30 pm. Mr. Parashuram from Rx talent management consultancy based in UAE gave a talk on placement to UAE and Germany, He spoke about the qualifying exams for U different exams for different Emirates. The placement for Germany was discussed in detail, including the language exams, qualifying exams, and internship programs. The program was attended by intern Dr. Ravi MB thanked Parashurama for h The students' feedback can be summarized as approximately 93,5% of the participant found the webinar to be very informative. Whereas 5.2% rated the webinar as moderately informative

Details of Faculty attended international conferences/ webinar/ training programs

Sl. No.	Name of the faculty	Designation	Details of conferences/ workshops/ seminars attend	Date & Place
1.	Dr. Chandan R S	Associate Professor,	GC Solutions for Speciality Chemicals	14/07/2022 -20/08/2022 Phenomenex
2.			Analytical method development for Oligonucleotide analysis	
3.			MS Tour	
4.			Separation Science – Columns, A Wonderful Tool	
5.			Column Selection for Bioanalytical Method Development	
6.			HPLC Method Development Based on Compound Classes	
7.			Mobile Phase Optimization	
8.			Advances in Column Technology Providing Next Generation HPLC Performance	
9.	Dr. Acsah Annie Paul	Lecturer	Vaccine Safety Basics	11/08/22 World Health Organization
10.	Dr U R Rakshith	Lecturer	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk Management	24 th to 28th August 2022 Bella Center Copenhagen Denmark
11.	Dr Sri Harsha Chalasani	Assistant Professor	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk Management	24 to 28th August 2022 Bella Center Copenhagen Denmark
12.	Mr. Balaji S	Lecturer	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk	24 th to 28th August 2022

			Management	Bella Center Copenhagen Denmark
13.	Ms. Shilpa Palaksha	Associate Professor,	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk Management	24 to 28th August 2022 Bella Center Copenhagen Denmark
14.	Dr. Srikanth M S	Lecturer	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk Management	24 th to 28th August 2022 Bella Center Copenhagen Denmark
15.	Dr. Shailesh T	Lecturer	Advancing Generic Drug Development: Translating Science to Approval	Online, USFDA
16.	Dr. Chandan R S	Associate Professor,	Purification Method Development Consideration for Peptides HPLC Column Care & Extending Column Lifetimes	19/09/2022-24/09/2022
17.				Phenomenex
18.	Dr. Srikanth M S	Lecturer	14 th Asian Conference on Pharmacoepidemiology	21/10/2022 to 23/10/2023 Tainan, Taiwan
19.	Dr. Savitha R S	Associate Professor,		22/10/2022 23/10/2022 National Cheng Kung University, Tainan, Taiwan
20.	Dr. Chandan R S	Associate Professor,	A Lean Approach for Assessing LC column Performance During Validation	14/10/2022 Phenomenex
21.			Leveraging Core-Shell Particle Technology to improve Micro and Nano LC Separations	20/10/2022 Phenomenex
22.			Pirates of Chromatography Tales of Sharp Peaks	20/11/2022 Phenomenex
23.	Dr. Umesh M	Assistant Professor	ISPOR EUROPE 2022	06th to 09th Nov 2022 Virtual
24.	Dr. U R Rakshith	Lecturer	Commemorating the World Antimicrobial Awareness Week: Pharmacy taking action. A focus on the Western Pacific, Southeast Asia and Africa regions	22/11/2022 International Pharmaceutical Federation (FIP) Andries Bickerweg 5 2517 JP The Hague Netherland
25.			Supporting pharmacy leaders and educators for implementing competency-based education in pharmacy and pharmaceutical sciences education: Launch of the FIP CBE Implementation Handbook	24/11/2022 International Pharmaceutical Federation (FIP) Andries Bickerweg 5 2517 JP The Hague Netherland
26.			Skill 4 adherence e- Learning educational course in Management of Patient adherence and	25/11/2022 online

			Polytherapy in Elderly	
27.	Dr. Ramesh M	Professor	Personalised Medicine - The Future of Health Care	17/11/22 Virtual Organised by JSS AHER, Mauritius
28.	Dr. Acsah Annie Paul	Lecturer	6th Annual International Breast Cancer Conference	18-11-2022 to 20-11-2022, Hotel Clarks Amer, Jaipur, Rajasthan
29.	Dr. Chandan R S	Associate Professor,	Pirates of Chromatography Tales of Sharp Peaks	20/11/2022 Phenomenex
30.	Balaji S	Lecturer	9th Annual Virtual Congress of European Society of Translational Medicine of Immunotherapeutics	3-5 October 2022 Online - Organized by European Society for Transational Medicine
31.	Dr M. Ramesh	Professor	International Webinar on Basics of Sleep & its Oral Connections	22/11/22 Online - Organised by JSS Dental College & Hospital, JSS AHER, Mysuru
32.	Dr. Chandan R S	Associate Professor,	Sample Prep Solutions for the Extraction of Polar Analytes & Nitrosamines	24/01/2023 Phenomenex
33.			Strategies for Improving Chromatographic Resolution	31/01/2023 Phenomenex
34.	Balaji S	Lecturer	Middle East Conference of Pharmacist Administered Vaccination	13/01/2023 Online - Organized by College of Pharmacy, Gulf Medical University, UAE
35.			Telemedicine trends and telepharmacy services' impact on pharmacy practice	17/01/2023 Online - Organized by FIP
36.	Dr. Srikanth MS	Lecturer	Middle East Conference on Pharmacist Administered Vaccination	13/01/2023 Shangri-La Hotel, Dubai, United Arab Emirates
37.	Dr. M Ramesh	Professor	Designing course outcomes and outcomes-focused questions	07-01-2023 Online - organised by InPods Ed-tech
38.	Dr. M Ramesh	Professor	Academic careers - what are the keys to success	17-01-2023 Online - The Campus

Details of students attended international conferences/webinar/training program

Sl. No	Name of the student	Course studying	Details of conferences/ workshops/ seminars attend	Date & Place
1.	Dr. Priya J	Basics of Machine Learning	Online course offered by Great Learning	April 2022
2.	Dr. Ravina Ravi	Introduction to machine Learning	Online course offered by Great Learning	April 2022
3.	Rekha B Vaishnav	M Pharm (PP)	38 th International Conference on Pharmacoepidemiology & Therapeutic Risk Management	24 th to 28th August 2022 Bella Center Copenhagen Denmark
4.	Jehath Syed	PhD		
5.	Athiqulla Sheriff	PhD		
6.	Sujith Sah	PhD		
7.	Anjali Pradhan	M.Pharm (PP)		
8.	Atiqulla Shariff	Research Scholar	ACPE 14	21-10-2022 National Cheng Kung University, Tainan, Taiwan
9.	Sheba Baby John	Research Scholar		
10.	Shwetha Manjappa Gowda	M Pharm		
11.	Pooja Dwivedi	Research Scholar		
12.	Merin Mathew	Research Scholar		
13.	G Thirumalesh Yadav	M.Pharm	HPLC mycotoxins analysis in food	15/11/2022
14.	Prajwal BN	M.Pharm	Restek Chromatography	22/11/2022
15.	Arjita Mukherjee	M.Pharm	Restek Chromatography	22/11/2022
16.	Surendra chowdary	M.Pharm	HPLC Selectivity -C18 Verses Biphenyl	22/11/2022
17.	A. Dileep Krishna	M.Pharm	HPLC Selectivity -C18 Verses Biphenyl	22/11/2022
18.	A. Dileep Krishna	M.Pharm	HPLC - Mycotoxins analysis in foods	22/11/2022

19.	Beemani Sree veena	M.Pharm	Restek Chromatography	22/11/2022
20.	Aishwarya Pattanshetty	M.Pharm	HPLC - Mycotoxins analysis in foods	22/11/2022
21.	Muttavarapu Rohit Chandra	M.Pharm	Restek Chromatography	22/11/2022
22.	Sumedha Kundu	M.Pharm	HPLC - Mycotoxins analysis in foods	22/11/2022
23.	Thanush D	M.Pharm	FDA Clinical Investigator Training Course	07-12-2022, USFDA, Online
24.	Jijo Shaji Varughese	M.Pharm	FDA Clinical Investigator Training Course	07-12-2022, USFDA, Online
25.	Thanush D	M.Pharm	CDER BIMO GCP Compliance and Enforcement Webinar	16-12-2021, Online
26.	Ms.Ascharya	PhD	SPCP annual convention AAP international indo-swiss conference 2022	16 th , 17 th December 2022 St. Pauls Hyderabad
27.	Ms.Priya Aradhya			
28.	Ms. Ravina Ravi			
29.	Priya J Aradhya	PhD	8th International Conference on Clinical Pharmacy (CPCON-2023)	6/01/2023 Manipal College of Pharmaceutical Sciences, Manipal, Karnataka
30.	Dr. Ravina Ravi			
31.	Pooja Dwivedi			
32.	Sakeer Hussain	Pharm.D	2nd International Global Cancer Consortium	7/01/2023 Fortune Inn Valley View, Manipal, Udupi
33.	Skandan N	M.Pharm		
34.	Ayemen Fatima	Pharm.D		
35.	Sriram Murugesh	Pharm.D	Infectious Diseases Congress 2023	20-22 January 2023 Believers Church Medical College Hospital, Thiruvalla , Kerala
36.	Atiqulla Shariff	PhD	A Sneak Peek into the Revisions to the CAPE Outcomes and Entrustable	17/01/2023 Accreditation Council for Pharmacy Education, USA

			Professional Activities (EPAs) (Online Webinar)	
37.			Middle East Conference on Pharmacists Administered Vaccination (Online)	13/01/2023 Organized By Gulf Medical University College of Pharmacy, Shangri-La Hotel, Dubai, UAE
38.	Bindu V M	Pharm.D	Infectious Diseases Congress 2023	20-22 January 2023 Believers Church Medical College Hospital, Thiruvalla , Kerala
39.	M Dhivya	Pharm.D		
40.	Neha Pethad	Pharm.D		
41.	Kileu Siang	Pharm.D	International Conference on Pharmacovigilance, Pharmaceutical Care & Biomedical Research	24-25 January 2023 Sarada Vilas College of Pharmacy
42.	Junaid Punnakkottil	Pharm.D		
43.	Sakeer Hussain	Pharm.D		
44.	Jeron Joseph	Pharm.D		
45.	Shobhitha G K	M.Pharm		
46.	Shubhangini	M.Pharm		
47.	Bijisha Baburaj Nair	Pharm.D		

STUDENT & FACULTY EXCHANGE PROGRAMMES RELATING TO SDG 17

SDG-17 underscores the importance of forging robust global partnerships and cooperation among nations. Achieving a successful development agenda necessitates inclusive collaborations on a global, regional, national, and local scale. The United Nations collaborates with creative agencies, the entertainment industry, media organizations, and businesses committed to realizing the Sustainable Development Goals (SDGs). In today's world, characterized by the need for international solidarity more than ever, strong international cooperation is imperative. It is essential to ensure that countries have the necessary resources to recover from the pandemic, rebuild more resiliently, and progress toward the achievement of the SDGs.

SDG-17, at its core, emphasizes the vital importance of establishing robust global partnerships and fostering cooperation among nations. Achieving a prosperous and sustainable development agenda necessitates inclusive partnerships across all levels, be it global, regional, national, or local. It is an imperative that the United Nations collaborates with a diverse array of stakeholders, including creative agencies, the entertainment industry, media organizations, and businesses that share a steadfast commitment to realizing the Sustainable Development Goals (SDGs). In the present context, where the world faces unprecedented challenges, particularly due to the pandemic, the need for robust international cooperation is more pronounced than ever. It is this global collaboration that will provide countries with the means to not only recover from the ongoing crisis but also to embark on a journey of rebuilding in a manner that is more resilient and, ultimately, in alignment with the overarching aspirations of the Sustainable Development Goals.

One exemplary collaboration in support of the global cause is found in India, often referred to as the 'Pharmacy of the World' due to its capacity to produce high-quality medicines at affordable prices. During the pandemic, the responsibility of meeting global demands for pharmaceuticals primarily rested with a few major pharmaceutical companies. One of the foremost challenges they faced was meeting the World Health Organization's (WHO) prequalification standards for exporting drugs to other nations. In a concerted effort to fortify the Indian pharmaceutical sector, WHO joined hands with JSS Academy of Higher Education and Research (JSSAHER). This partnership entailed training middle and small-scale pharmaceutical companies to comprehend the requirements for WHO prequalification and mentoring them to meet these standards. The endeavor involved a diverse panel of experts from around the world.

Furthermore, as part of the Memorandum of Understanding (MoU) between JSSAHER, Mysuru, and Howard University, USA, two students from Howard University—Ms. Majada Hancox and Ms. Shaliyah Sledge—participated in a student exchange program at JSS College of Pharmacy, Mysuru, commencing on August 27, 2022. Their five-week program involved training in various departments of JSS Hospital. This comprehensive program covered an array of areas, such as the management of prevalent infectious diseases in the region and the provision of pharmacist services. During their time at JSS Hospital, they each spent a week in the department of medicine and geriatrics. They also underwent rotations in Pulmonology &

DOTS Center, Surgery, Obstetrics & Gynecology (OBG), Paediatric Immunization, Cardiology, Emergency Medicine, Psychiatry, Dermatology, and Gastroenterology departments.

Furthermore, their training extended to other hospitals in urban Mysore, including Asha Kirana Hospital and Bharath Hospital & Institute of Oncology, where they gained insights into the treatment of HIV infections, various opportunistic illnesses, and aspects related to cancer treatment, including the preparation of intravenous admixtures. The students also visited JSS College of Pharmacy at Ooty, providing them with valuable experience in the management aspects of a

government hospital setting. This collaboration not only benefits the students but also contributes to the broader goals of promoting international educational exchange and enhancing healthcare practices.

Mr. Puvada Rahul Krishna, a dedicated Research Scholar from the Department of Pharmacy Practice, embarked on an academic journey to La Trobe University in Australia. From May 18th to November 30th, 2022, he engaged in a productive period of collaborative research activities. This initiative reflects the institution's commitment to fostering international academic partnerships and facilitating research endeavors across borders.

Dr. Krishna Kumar, an esteemed Professor in the field of Biopharmaceutics and Pharmacokinetics from the Department of Pharmaceutical Sciences at Howard University, Washington DC, USA, and also an Adjunct Faculty member at JSS Academy of Higher Education and Research (JSSAHER), made a significant visit to JSS College of Pharmacy, Mysuru. This collaborative academic exchange took place from June 24th to June 29th, 2022, underlining the institution's commitment to promoting international academic interactions and fostering educational excellence.

Dr. Jwala Renukuntla, an accomplished Associate Professor specializing in Basic Pharmaceutical Sciences at the Fred Wilson School of Pharmacy, High Point University, NC, USA, and an Adjunct Faculty member at JSS Academy of Higher Education and Research (JSSAHER), enriched the academic environment with her visit to JSS College of Pharmacy, Mysuru on June 29th, 2022. This collaboration underscores the institution's dedication to fostering global academic partnerships and promoting the exchange of knowledge and expertise.





Inter University Student Exchange Program - SIG Dental Cariology

Quantitative light-induced fluorescence (QLF) is a new method for oral health assessment, providing additional visual information about caries and bacterial activity. This new method uses the principle of fluorescence for visual enhancement of caries detection and bacterial activity. Postgraduate Students from the Department of Pediatric & Preventive Dentistry, M S Ramaiah College of Dental Sciences visited SIG Cariology - QLF Center at JSS Dental College & Hospital, Mysuru as part of Inter-University Student Exchange program organized by Special Interest Group-Cariology, JSS Dental College & Hospital. The Program was facilitated by Dr. B Nandlal, Professor & Head and Dr. Raghavendra Shanbhog, Reader, Dept. of Pediatric & Preventive Dentistry.

Disaster Victim Identification Specialist

Three PG students enrolled in the MSc Forensic Odontology program, JSS Dental College and Hospital, JSSAHER lead by their course co-ordinator Dr. Swathi Kumareswar have completed their training on Disaster Victim Identification Specialist organized by the Section of Forensic Medicine, University of Turin, Italy. The duration of the training was from 1st April - 25th June 2022 consisting of 75 hours of online tuition and hands on training at the University of Turin in Italy from 8th June to 10th June 2022.

This training course provided the opportunity to develop knowledge and skills in the management, technical and forensic activities related to Disaster Victim Identification following mass disasters, major accidents or terrorist attack. Human identification procedures and sample collection were taught illustrating Interpol DVI guidelines and military dentistry principles of the NATO STANAG2464.

The course reached the maximum capacity of attendees, with the participation of 30 operators of various professions and nationalities, who met from the 8th to 10th June in Turin, to carry out lessons and practical exercises and hands-on sessions on cadavers, with the technical-didactic collaboration of Dr. Sven Benthaus (forensic dentist, ETAF, Germany). A morgue with multiple cadavers was set at the Medicolegal Institute of the University of Turin and participants were divided into three groups and experienced all DVI phases.

In addition to the participation of many dentists, anthropologists and other health professionals, technical operators from the Police, the Carabinieri Military Police, the Italian Army, and the Voluntary Military Corps of the Italian Red Cross.

Dr Jwala Renukuntla, Assoc. Professor of Basic Pharmaceutical Sciences, Fred Wilson School of Pharmacy, High Point University, NC, USA, Adjunct faculty, JSSAHER, visited JSS College of Pharmacy, Mysuru on 29th June 2022.

Ethiopia FDA Regulators visited the college and interacted with the staff and students on 5th July 2022.

EXCHANGE PROGRAMME INTERNATIONAL COLLABORATION AND RESEARCH, REVIEW COMPARATIVE APPROACHES AND DEVELOP INTERNATIONAL BEST PRACTICE ON TACKLING THE SDGS



Ms. Anne Laure Vandevælde and Ms. Suze Lievrouw from **KU Leuven University, Belgium** pursuing observership at the Department of Paediatrics, JSS Hospital between September 2022 to October 2022 under the mentorship of Dr.Narayanappa, Professor, Department of Paediatrics.

Eight Students from the University of Malaya, **Kuala Lumpur, Malaysia** completed their observership at the JSS Hospital between October 2022 to December 2022 in the department of Paediatrics, Obstetrics and Gynaecology, General Surgery, Nephrology, Gastroenterology, Rheumatology, Emergency Medicine, Cardiology, Cardiothoracic Vascular Surgery and Neurology.



Mr. Benakaraj A.R. in second year medical course in **Mari State University, Russia** has completed observership at JSS Hospital, Mysuru, Karnataka, India in the department of Radiology, Neurology, General Surgery, Cardiology, ENT between August 2022 to September 2022.



Ms. Navvana From **Lady of Fathima University, Manila, Phillipines** completed Observership at JSS Hospital between September 2021 to December 2022. Ms. Navvana was posted in in the department of Community Medicine, Ophthalmology, ENT, Psychiatry, and Internal Medicine, Paediatrics, Surgery and Obstetrics and Gynaecology.

Ms. Khushi Dagli from **Quinnipiac University, USA** is pursued observership at JSS Medical College and JSS Hospital in the Department of Community Medicine, School of Public Health, Hospital Administration, Dept of Obstetrics and Gynaecology, and Paediatrics for a duration of 4 weeks from June 2023 to July 2023. She visited Anganwadi centre, and District Rehabilitation Centre, Mysuru to understand the functioning of the centres.



Ms. Anisha Jain has been awarded with a Travel Fellowship from the European Association of Cancer Research (EACR). Dr. Shivaraju H P, Associate Professor and Coordinator, Department of Environmental Sciences, JSS Academy of Higher Education and Research, Mysuru visited the Department of Chemical Engineering, Khon Kaen University Thailand from August 2022 to September 2022 under the faculty exchange program. (From Left) Dr. Kitirote Wantale, Associate Professor, Department of Chemical Engineering, Khon Kane University, Khon Kaen, Dr. Shivaraju H P, Associate Professor, Department of Environmental Sciences, JSS Academy of Higher Education and Research, Mysuru, and Dr. Kanyarat Holasut, Associate Professor and Head, Department of Chemical Engineering, Khon Kane University, Khon Kaen.

As part of Memorandum of Understanding (MoU) between the institutes; students of College of Pharmacy, **Howard University, USA** visited Colleges of Pharmacy, Ooty & Mysuru from August - September 2022. Ms. Majada Hancox and Ms. Shaliyah Sledge, APPE (PharmD) students of the Howard University visited JSSAHER, Mysuru under International Student Exchange Program and understood the pharmacy practice / education / training / research at practice sites of JSSCoP, Mysuru (JSS Medical College & Hospital, Mysuru) and JSSCoP, Ooty (Govt. Medical College & Hospital, Ooty). During their visit, Ms. Majada and Ms. Shaliyah interacted with the pharmacy teachers, Pharm D / M Pharm / B Pharm students and administrators of the institution. We are very thankful to the leadership of JSSAHER, Mysuru and Howard University, USA for their continuous support in having International Student Exchange program between us.

Ms. Garlapati Arushi, Pharm D At JSS College Of Pharmacy, Mysuru to Visit Howard University College Of Pharmacy, Waington DC For Student Exchange Program



Ms. Garlapati Arushi pursuing internship as a part of the Pharm D curriculum at JSS College of Pharmacy, Mysuru to visit Howard University College of Pharmacy, Washington DC as a part of the Student Exchange Program. The five-week clinical rotation, which commenced on the May 16th and ended on the June 17th, 2022.

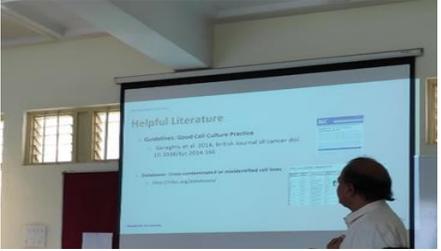
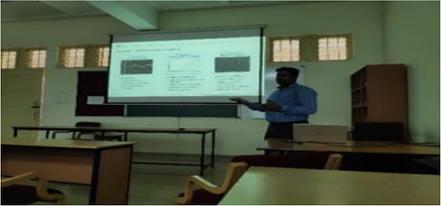
Student Exchange Program -Southern Illinois University Edwardsville (SIUE) United State The students from JSS AHER underwent a clinical rotation for a period of two months as a part of student study exchange program. The students who have completed their rotation at SIUE had an exposure on the psychiatry care and to explore the modalities of treatment in psychiatry in United States. The preceptors discussed in detail on the symptoms, the mental status examination and the management of psychiatric diseases. The students were given assignment to identify drug related problem in the patient's therapy. The students were given an opportunity to visit group homes which are charity homes where homeless psychiatry patients were resided. The students expressed that they have had enhanced learning experience in the infectious disease management as they got an opportunity to encounter with different patient populations and unique disease state at the practice site in JSS Hospital, Mysuru.

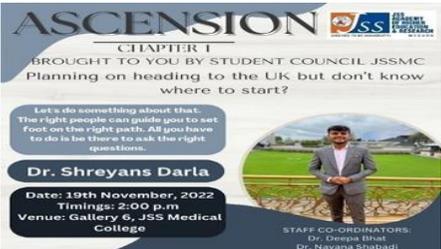
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GUEST LECTURES SUPPORTING SDG 17

Date	Guest Speaker	Topic / Organizing Department	Photographs

11 th July 2022	Dr.Siddramappa Jagdish Patil , Senior Consultant in Clinical Genetics at Mazumdar Shaw Medical Centre / Narayana Hrudayalaya Hospitals, Bangalore	“Utility of Genetics in Clinical Practice” was organized by Dept. of Paediatrics	
12 th July 2022	Dr.Sandesh Shivananda , Consultant Neonatologist, Vancouver, Canada	“Early warning signs in Neonatal care” was organized by the Department of Pediatrics	
15 ^h July 2022	Mr. Babu Padmanabhan , Head, Director - Business Development, Eppendorf India Pvt Ltd	Good Laboratory Practice (GLP) & Cell Culture Workflow organized by Special Interest Group on Cancer Biology and Cancer Stem Cells (SIG-CBCSC)	
28 ^h July 2022 & 15 th Dec 2022	Mr. Hemanth Meddidhi , Sales Application Specialist QIAGEN India Pvt. Ltd	QIAcuity Qiagen Digital PCR organized Special Interest Group on Cancer Biology and Cancer Stem Cells (SIG-CBCSC)	

3 rd Aug 2022	Dr.Gyongyi Szabo , Professor of Medicine and Faculty Dean for Academic Affairs, Harvard Medical School, USA, Chief Academic Officer, Beth Israel Deaconess Medical Center and Beth Israel Lahey Health, Boston (MA), USA	Going the Harvard Way – What makes Harvard one of the topmost universities and sharing thoughts with faculty members of JSSAHER.	
4th to 5th August 2022	Dr. Amalan Kanti Ghosh Senior Application Scientist, Becton Dickinson India Pvt Ltd	Post Installation Training Program for Flow Cytometer (BD FACS Lyric) organized by Special Interest Group on Cancer Biology and Cancer Stem Cells (SIG-CBCSC)	
29-08-2022	Dr. Ashish Shetty , FRCA, FFPMRCA, Honorary Associate Professor, UCL Regional Advisor in Pain Medicine, Consultant Lead in Pain Medicine, National Hospital for Neurology & Neuro Surgery, University College London Hospitals, London	Presentation on Chronic Pain & Neuromodulation.	
19th October 2022	Dr Shreyans R Darla (MBBS Batch of 2016)	Ascension chapter -1 Planning on heading to the UK but don't know where to start	

<p>11th & 12th January 2023</p>	<p>Dr.Senthilnathan Senguttuvan, Manager-Applications, Qiagen India Pvt. Ltd.</p>	<p>“Introduction to Digital PCR” organized by Department of biochemistry, special interest group on cancer biology and cancer stem cells (CBCSC) & Human genomics & rare disorders (SIG-HGRD), JSS Medical College</p>	
<p>12th January 2023</p>	<p>Mr.Sunil Kumar S., Manager-Speciality Services Eppendorf India Private Limited and Mr.Bharath Kumar, Sr Eppendorf Territory manager for pipettes and consumables were the key resource persons for the event</p>	<p>Eppendorf Pipette Calibration (EPiC) program organized by The Department of Biochemistry & Special Interest Group on Human Genomics & Rare Disorders (SIG-HGRD), JSS Medical College</p>	
<p>13th January 2023</p>	<p>Dr. Matam Vijay-Kumar, Professor and Director, The University of Toledo College of Medicine & Life Sciences, Toledo</p>	<p>The Iron Tug-of-War between bacterial siderophores and innate immunity organized by Department of biochemistry & special interest group on cancer biology and cancer stem cells (CBCSC), JSS Medical College</p>	

<p>28th January 2023</p>	<p>Dr.Suhas Chandran, Asst. Professor, Child & Adolescent Psychiatry, St. John Medical College, Bangalore</p>	<p>Paradigm shift in autism spectrum disorders- Focus on recent advances in diagnosis & management</p>	
<p>7th February 2023</p>	<p>Mr. Sujoy Dey-Application Specialist, Leica Microsystems. Ltd. Mr. Rahul sales and Application specialist</p>	<p>Demonstration of Confocal Microscope organized by Department of biochemistry & special interest group on cancer biology and cancer stem cells (CBCSC), JSS Medical College, JSS Academy of Higher Education & Research, Mysuru</p>	
<p>9th Feb 2023</p>	<p>Dr.Girish Gupta, Consultant Hand and Microvascular Surgeon, Narayana Hospital, Jaipur</p>	<p>Clinical Discussion & presentation of Hand and Microvascular Surgery_organized by Dept. Orthopaedics</p>	

24 th Feb 2023	Dr.Anant Khot , Associate Professor at AIIMS, Nagpur.	Management of Medication Error organized by the Department of Pharmacology, JSS Medical College, Mysore	
24 th March 2023	Dr.Niti Jetly -Application Specialist, Molecular Devices delivered a talk	Complete Solution for Automated Imaging and High Content Screening – Image Xpress Confocal HT.ai System” organized by Department of biochemistry & special interest group on cancer biology and cancer stem cells (CBCSC), JSS Medical College, Mysuru	
24 th March 2023	Mr.Amal George - Regional sales manager, Abbott Company.	An introductory lecture on hematology analysers in the Department of Pathology	
13 th May 2023	Dr.K.Girish, Professor, Department of Studies and Research in Biochemistry, Tumkur University	Blood cells and redox system: key players in regulating human diseases organized by Dept. of Biochemistry & special interest group on cancer biology and cancer stem cells (CBCSC), JSS Medical College, JSSAHER.	

15 th May 2023	Dr.A.Selvam , Chennai.	Management of Vascular lesions in Dermatology" organized by The Department of Dermatology	
22 th May 2023	Dr.K.Kemparaju Professor, Dept. of Studies in Biochemistry, University of Mysore. He	Echis carinatus venom-induced sustained tissue destruction, understanding the mechanism organized by Dept of Biochemistry & special interest group on cancer biology and cancer stem cells (CBCSC), JSS Medical College, JSSAHER, Mysuru	
18 th June 2023	Dr. Anna Pulimood , Professor of Pathology, former Principal of CMC, Vellore	Guest Lecture – Slide Seminar	
21 st June 2023	Sooryanarayana Varambally , Professor, Department of Pathology, University of Alabama at Birmingham.	Cancer Biomarker and Therapeutic Target Discovery using UALCAN Platform organized by The Special Interest Group on Human Genomics & Rare Disorders (SIG-HGRD), JSS Medical College and Hospital, JSSAHER, Mysuru	

21 th June 2023	Dr.Manjunatha.C.H , Professor, Dept.of Pharmacology Pondicherry Institute of Medical Sciences, Pondicherry	A guest lecture on topic Pharmacokinetics was held at Department of Pharmacology, JSS Medical College, Mysore	
26 th June 2023	Dr.Elizabeth Frank , Entrepreneur, Medical Biochemist, Researcher, Lab Management Consultant, working with a software group as a domain expert to build AI based clinical decision-making tools and a lab management tool.	Invited lecture on the topic “What, Why and How of Drug Abuse” organized by Dept. of Forensic Medicine as a part of International Day against Drug Abuse and Illicit Trafficking observation	
26 th June 2023	Mr.Abhishek from Tosoh	Online session to introduce the Tosoh HPLC G8 and G11 analyzers The Department of Biochemistry, JSS Medical College in collaboration with Tosoh	

**ACADEMIC / INDUSTRIAL EXPERTS / ADJUNCT FACULTY VISITS
TO JSSAHER SKILL & SIMULATION CENTER**



KINILL KRINKAN AND TEAM SPB ETU RUSSIA



DR. VIVEK SAOJI AND DR. S. RANGA SWAMY, EMINENT EXPERTS



DR. UMESH NAGALOTIMATH



DR. ANUPAM PODDU



DR.T.S. RAO AND PROF.BEJOANKUMAR MISHARA



DR. SHIMPA SHARMA, IQAC TEAM



TEAM SRI DEVI MEDICAL COLLEGE , TUMKURU



DR. BALA BASKARAN AND TEAM FROM, VIMS, BELLARY



Dr. NADHEER GUPTA -TECHNICAL OFFICER
PHARAMCEUTICALS, WHO NEWDELHI(14.02.2023)



Dr. RAVIKIRAN KISHAN MEU COORDINATOR KIMS
MADIKERI (8.02.2023)



DR. MUKESH KUMAR -FORMER HEAD IHCHR
(21.03.2023)



DR. SATHEESH K BHANDARY-VICE CHANCELLOR NITTE
DEEMED UNIVERSITY (04.03.2023)



DR. SHASHI BALA SINGH-DIRECTOR NIPER,
HYDERABAD(15.03.2023)



DR. K. G DESAI -GSK, COLLEGEVILLE, USA(06.04.2023)



**DR. V BALA MURUGAN – PRINCIPAL SCIENTIST ,
ICAR-NIVEDI (03.05.2023)**



**DR. K.T. MADAVAN -PROFESSOR ,EMD,
KANNUR(18.05.2023)**



**DR. VINEET AHUJA, ASSOCIATION DEAN, AIIMS –
NEW DELHI(18.05.2023)**



**DR TIM MOORE,INTERIM DEAN,HARRISON COLLEGE
OF PHARMACY,AUBURN UNIVERSITY, USA(31.05.2023)**



DR. ATUL KOTWAL – EXECUTIVE DIRECTOR
NHSRC(01.06.2023)



DR. UMESH KAPIL- NAMS(01.06.2023)





PARLIAMENTARY DELEGATION LED BY HON.MICHELLE ROBERTS , SPEAKER OF WEST AUSTRALIAN PARLIAMENT(02.06.2023)

Prof. Dhavendra Kumar, Honorary senior research fellow, institute of medical genetics, division of cancer & genetics, Cardiff university, university school of medicine, UK Delivered speech/chaired session on various topics during 5th International Conference on Birth Defects held from 21st to 23rd November 2022 at Sri Rajendra Auditorium, JSS Medical College, Mysuru

School of Public Health

Dr. Birke Aenne Martha Ahlfeld, a Medical Doctor from Germany, working as a medical Officer and a Master student shared his perception on Global Health for 1st Semester MPH students on 15th Nov.2022.

Orthopedics

Dr.Srivatsa Boraiah, Consultant Orthopaedic Surgeon, USA shared his experience on Robotics in Arthroplasty to the faculty of department of Orthopaedics on 8th November 2022 in the Orthopaedic Seminar Hall, JSS Hospital, Mysuru

Radio-Diagnosis

Dr. Debjyothi Banerjee, Enmed, Texas A&M University (TAMU) visited, JSS Medical College & Hospital to explore the opportunities on collaboration with regard to joint workshop, Students exchange and research activities between JSS AHER and TAMU from 24th to 27th November 2022.

Forensic Medicine

Dr Jayesh Joseph, Criminologist, Kerala State, Kerala Police Academy and Dr Shivaprasad, Forensic Scientist visited the Dept of Forensic Medicine for interaction with B.Sc Forensic Science students to share knowledge and scope of Forensic Medicine in Crime investigation on 24.06.2022.

Mr.Pavan Mahikar, Scientific Officer, Karnataka State Forensic Science Laboratory, Bangalore was invited for interactive session with the students of B.Sc. Forensic Science, on 4th July 2022. He spoke about careers in Forensic Science Laboratories and the nature of expertise needed. The Question answer session was well addressed.



Name of the Expert	Affiliation of the expert	Date	Lecture Topic	No. of participants attended
Dr Sachin R Chaudhari	CSIR-CFTRI, Mysuru	16/11/2022	Introduction to 1D & 2D NMR Spectroscopy	150
Dr. Anshuman Dixit	Scientist E, Institute of Life Sciences, Bhubaneswar, Odisha - 751023	12/13/2022	Development of targeted therapeutics against Oral squamous cell carcinoma	95
Dr. Gude. Haripriya	Associate Consultant Radiation Oncologist, Bharat Hospital and Institute of Oncology	1/31/2023	Awareness on Cervical Cancer and HPV Vaccine	80

Guests Lectures / Talks Delivered by Faculty in Workshops/ Conferences

Name of the Faculty with Designation	Name of the Institution/Company	Place of the Institution/Company	Topic of the Guest Lecture Delivered	Date of the Guest Lecture Delivered
Dr. Jaidev Kumar	Climed Research Solutions	Haryana- 122001	Viral and Bacterial Infections, Management of Diarrhea	2/12/2022
			Drug Resistance	2/19/2022
			Viral Infections	2/26/2022
			Bacterial Infections	3/5/2022
			Management of Bacterial Diarrhea.	3/6/2022
			Viral Diarrhea	3/12/2022
Antimicrobial Disease Management	3/13/2022			
Dr. M Ramesh	Amrita Institute of Medical Sciences, Kochi, Kerala	Amrita Institute of Medical Sciences, Kochi	Reporting and monitoring of adverse drug reactions	7/23/2022
Dr Saravana Babu C	University of Pondicherry	Pondicherry, Tami Nadu	Gut Microbiota and Cerebral Stroke	19/07/2022
Dr. Dithu thekkekkara	Kyushu University	Japan	Evaluation of plant based radio protective agents	28/07/2022
Dr Sri Harsha Chalasani	Indian Pharmacopoeia Commission (IPC), National Coordination Centre (NCC) for Pharmacovigilance Programme of India (PvPI)	Ghaziabad	Research methods in Pharmacovigilance	15/09/2022
Dr Sri Harsha Chalasani	St Pauls' College of Pharmacy	Hyderabad, TG	Medication Errors: Taking Patient Safety from Words to Wards	22/09/2022
Dr K L Krishna, Associate Professor	Govt. Ayurvedic Medical College, Mysuru	Mysuru	Overview of Drug Discovery Process; Emphasis on design of preclinical protocol	9/22/2022

CO-CURRICULAR ACTIVITIES SDG 17

28.07.2022	Dept. of Paediatrics in collaboration with IAP Mysuru branch	The 35 th IAP-UG quiz for 8 th term students	
12 th March 2023	Organization for Rare Disease India [ORDI]. JSS Medical College was part of the organization of the event.	“Race for 7” a marathon to raise awareness on rare genetic diseases	

E-Poster competition As a part of National Pharmacovigilance Week 2022 an E - Poster competition was organized on the theme "Patient responsibilities in safe use of medications". A total of 18 participants registered for the competition and seven participated attempted for the E – poster. The e- posters were evaluated for parameters like clarity, content, adherence to theme etc., The session ended with the closing remarks by Mrs Shilpa Palaksha, Department of Pharmacy Practice, JSS College of Pharmacy, JSSAHER, Mysuru emphasizing on the theme and its importance towards the patient safety

Quiz Competition

As a part of National Pharmacovigilance Week 2022 E - Quiz Competition was organized on the theme “Pharmacovigilance”. A total of 11 teams (3 in each team) participated for the quiz. The competition was held over 5 rounds, which were as follows: Round 1: Preliminary round, round 2: General round, round 3: Pharmacovigilance & Regulations, round 4: Important dates & places, round 5: Unique ADR’s

Elocution Competition

As a part of National Pharmacovigilance Week 2022 Elocution Competition on the theme “Who is responsible for safe medication use?” was organized. A total of 13 students registered for the Elocution Competition

ACTIVITIES OF ACADEMIC SOCIETY SUPPORTING SDG 17

8th INTERNATIONAL YOGA DAY THEME 2022 YOGA FOR HUMANITY

National Service Scheme (NSS) Unit of JSS College of Pharmacy, Mysuru along with constituent colleges of JSSAHER celebrated International Yoga Day on 21st June 2022 at Mysore Palace. JSSAHER celebrated 8th International Yoga Day at Mysore Palace grounds inaugurated by Honorable Prime minister of India Shri Narendra Modi. All Faculties, Staff and volunteers were taught the importance of Yoga in their life & how to maintain the harmony between body and mind.



Hands on Training on Sophisticated Instruments

The Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Mysuru organized five days training program on “Hands on Training on Sophisticated Instruments” from 11th to 15th July 2022. The program was inaugurated by Dr. B Manjunatha, Registrar, JSS Academy of Higher Education & Research, Mysuru on 11th July 2022 at 10:30 AM in Seminar hall. In his opening remarks, he briefed about the importance of Analytical instruments in the drug discovery & development. Dr. B M Gurupadayya, Professor & Head, Department of Pharmaceutical Chemistry welcomed the guests & trainees and briefed the objectives of the training program. The Chief guest Dr. Prasanna Vasu, Principal Scientist, CFTRI, Mysuru explained the significance of handling, trouble shooting and maintenance of the instruments in pharmaceutical industry and release the Training manual of the program. Dr. T M Pramod Kumar, Principal, JSS College of Pharmacy, Mysuru acknowledged the department for organizing this training program.

Recent Advancement and Challenges in Analytical Chemistry

“National Conference on Recent Advancement and Challenges in Analytical Chemistry” was organized by the Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Mysuru on 20th May 2022 at 10:15 AM at Sri Rajendra Auditorium. The program was inaugurated by Dr. B Manjunatha, Registrar, JSS Academy of Higher Education & Research, Mysuru. In his opening remarks, he briefed about the importance of Analytical Chemistry in pharmaceutical field. Dr. G.V. Pujar, Vice-Principal, JSS College of Pharmacy, Mysuru welcomed the guests. Other dignitaries present in the function were Dr. Taposh Kumar, Assistant Manager, Waters India Pvt. Ltd., Bengaluru and Dr. HN Shankara, NMR Technical Officer, Mysore University, Mysuru. The vote of thanks for the function was delivered by Dr. Chandan R S, Organizing Secretary of the conference.

25th APTICON-2022

25th Annual national convention of association of pharmaceutical teachers of India was organized by JSS College of Pharmacy, JSS Academy of Higher Education & Research, Mysuru from 2nd September to 4th September 2022 at JSS Medical Institutions Campus, Mysuru. The theme of the conference was “Empowering Academia for Advancing Pharmacy Education”. About two thousand Pharmacy Professionals, students, industrialists, pharmaceutical scientists, and pharmaceutical leaders from different states of the country took part in this three-day event.

The APTICON 2022 is aimed at Empowering Academia for Advancing Pharmacy Education among academicians, professional scientific leaders, and regulators to set future milestones for education. The scope of the Conference addressed the educational and developmental needs to create competent pharmacists and pharmaceutical scientists. Good Pharmacy Education provides a conceptual framework for the design, implementation, and assessment of contemporary educational programs for pharmacists throughout the world.

Drug design, synthesis and spectral analysis

Department of Pharmaceutical Chemistry, JSS College of Pharmacy, SS Nagara, Mysuru, a constituent college of JSS Academy of Higher Education & Research, Mysuru, is organizing five days training program on “Drug Design, Synthesis and Spectral Analysis”. This training is for the faculty and research associates working in pharmacy, medical and science colleges across the country. In this training program 19 participants are trained on computer aided drug design, synthesis and spectral analysis techniques.



VALUE ADDED PROGRAMME ON “HANDS ON LC-MS TRAINING COURSE”

Department of Pharmaceutical Chemistry, JSS College of Pharmacy, SS Nagara, Mysuru, a constituent college of JSS Academy of Higher Education & Research, Mysuru, is organized two days Value Added Program on Hands-on “LC-MS Training Course” This training is conducted only for 10 students inclusive of Post graduate students and research scholars, who are interested to learn LCMS and to carry out their research.

Hands-on training on basics of Clinical research for M Pharm students

The Department of Pharmacy Practice, JSS College of Pharmacy, Mysuru in collaboration with Clinical Research excellence (CCRE), JSS AHER, Mysuru organized a training program on “Hands-On Training in Basics of Clinical Research” for I year M Pharm students on 6th & 7th December, 2022 at CCRE Centre, JSS Hospital, Mysuru. The main objective of the program was to educate the participants about the steps, diverse activities, and processes involved in a clinical trial. The following speakers addressed the students Dr. Prathibha Pereira, Dr. M. D. Ravi, Dr. Vinaya Rani G, Ms. Shwetha shree M S, Dr. Rovin M Theempalangad, Ms. Charitha Reddy T, Ms. Ramya U, and Ms. Shwetha A N.

Guest Lectures / Webinars

Importance of Health Outcome – studies and its guiding principles

Dr. Radha Manian, a registered pharmacist involved in centralized services at Walgreens Company, Arizona, United States of America (USA) visited the department on July 19, 2022 to understand the clinical pharmacy services provided by the department of Clinical Pharmacy at JSS Hospital. Dr. Manian is involved in the data and clinical review of the prescriptions that are sent as e-prescriptions by practitioners throughout USA. Dr. Radha Manian delivered a guest lecture on the topic ‘Importance of Health Outcome – studies and its guiding principles’ at the seminar hall of the department of Pharmacy Practice for V PharmD students at 4.00 pm on July 19, 2022. Dr. Juny Sebastian, Assistant Professor of Department of Pharmacy Practice, introduced

her to the audience. She started her talk by explaining the definition of health and continued her discussion on its multifaceted concept. She also discussed different ways to measure the health outcomes. She spent time on explaining about evidence-based medicine (EBM) concept, resources of EBM, steps of EBM process and the guiding principles of EBM. She described on types of bias and random errors observed in real world evidence. She concluded her talk explaining the Pharmacoeconomics goals, its tools and analysis. Later, she spent time to clarify the doubts of the students. Her lecture was well received by the V PharmD students. A total of 38 students attended and benefitted from the lecture.

Webinar on 'Patient Safety'

Theme: Enhancing ADR reporting by patients and direct patient reporting in pharmacovigilance

As a part of National Pharmacovigilance Week 2022 Webinar on Patient Safety with the theme Enhancing ADR reporting by patients and direct patient reporting in pharmacovigilance was organized. The program started with a welcome address by Dr. R.S. Savitha, followed by the opening remarks by Dr. T.M. Pramod Kumar, Principal, JSS College of Pharmacy, JSS AHER, Mysuru who briefed the participants about the objectives of the webinar. Speakers of the webinar were Dr. Anand Harugeri, Director Service Operations PV Project Leadership and Strategic Solutions, IQIVIA, Bengaluru, India and Dr. Sumit Tandon, Senior Manager, Clinical Research & Pharmacovigilance, Serum Institute of India, Pune, India.

Organic synthesis with case studies in drug discovery

Dr. Basappa, Associate Professor, Department of Chemistry, University of Mysore delivered a guest lecture on organic synthesis case studies in drug discovery pathway on 19th August 2022 at 11.00 AM in seminar hall of JSS College of Pharmacy, Mysore 570 015. This guest lecture was organized by department of Pharm Chemistry to the students of M.Pharm and PhD scholars. Dr. Basappa in his lecture emphasized on the role of organic synthesis in drug discovery process with case studies. The students and scholars were participated in deliberations to understand some hard core aspects of organic synthesis. The students and scholars have expressed that the lecture was very useful for their research projects. This guest lecture was coordinated by Dr. BR PRashantha Kumar, Associate professor, Department of Pharmaceutical Chemistry.

1D and 2D NMR

Dr. Shankara HN, Assistant Professor, IOE, Vighnana Bhavan, University of Mysore delivered a guest lecture on 1D and 2D NMR on 20th August 2022 at 11.00

AM in seminar hall of JSS College of Pharmacy, Mysore 570 015. This guest lecture was organized by department of Pharm Chemistry to the students of M.Pharm and PhD scholars. Dr. Shankara HN enriched the knowledge on NMR spectroscopy to the students of M Pharm and PhD scholars. The discussions and problem solving questions helped students and scholars to enhance their knowledge and skills on NMR spectroscopy. The students and scholars have expressed that the lecture was very useful. This guest lecture was coordinated by Dr. BR PRashantha Kumar, Associate professor, Department of Pharmaceutical Chemistry.



Introduction to 1D & 2D NMR Spectroscopy

The objective of the guest Lecture was to upgrade the knowledge of M.Pharm & PhD Scholars with respect to the role of NMR and its applications. The topic was chosen as NMR has been used in the analysis of Organic compounds in drug discovery, Diagnosis tool in the Health sector etc. The guest lecture started with a welcome address by Dr. H. Yogish Kumar by introducing of the speaker. There were 150 M.Pharm & PhD Scholars took part in the guest lecture and benefited from updated knowledge on the NMR and its applications in drug discovery. The guest Lecture was helpful to all the students & scholars, faculties to update the overall knowledge of NMR in drug discovery & development.

Development of targeted therapeutics against Oral squamous cell carcinoma

Guest Lecture was conducted by the Department of Pharmacognosy, JSS college of Pharmacy, Mysuru on 13th December 2022 (Tuesday) at 10.00 AM. Chief guest Dr. Anshuman Dixit, Scientist E, Institute of Life Sciences, Bhubaneswar, Odisha - 751023 has taken a lecture on topic “Development of targeted therapeutics against Oral squamous cell carcinoma” for All Faculty, M. Pharm Students and Ph.D. Scholars in Seminar Hall. He explained the various bioinformatic tools and machine learning techniques utilized for the gene expression analysis in oral cancer and also describe about the mRNA-based gene targeted therapeutics agents.



GxP Reviews – Lifecycle of GxP

Guest Lecture was organized by the department of Pharmaceutics, Pharmaceutical Quality Assurance group, JSS College of Pharmacy, Mysuru on 16.01.2023 from 4:00 pm to 5:00 pm on topic “GxP Reviews – Lifecycle of GxP” by Mr Cuddapah Sandeep, Accenture Technology Centre, Technical support Associate Manager for First year M Pharm students in Seminar Hall. He began his session by giving brief introduction about GxP. GxP compliance guidelines were established in the U.S. by the Food and Drug Administration (FDA). Additionally, he narrated students regarding “5 Ps” of GxP and its application in Pharmaceuticals.

Drug Regulatory Pathway for Eurasian Region (EAEU)

Mr Krishna Chaitanya delivered a talk on the Drug Regulatory Pathway for Eurasian Region (EAEU). Mr. Chaitanya started the session by giving information about the importance of regulatory department in pharmaceutical industry, responsibilities of Regulatory Affairs personnel and recent shift of people from various other departments to Regulatory Affairs. He also gave a brief description about LATAM, GCC & ASEAN country regulations. He explained about CTD (Common Technical Document) and its organizational setup and in particular about module 1 which deals with regional administrative information. Mr. Chaitanya described the essentiality and importance of Module 1 of CTD which is to be submitted in EAEU (Russia, Belarus, Kazakhstan, Kyrgyzstan, Armenia) regions. He also explained the registration process used by different member states in accordance with National Procedure, Mutual Recognition Procedure and Decentralised Procedure.

Clinical Trial Start-up Activities

Department of Pharmacy Practice organized a series of guest lectures on the topic ‘Clinical Trial Start-Up Activities’ for the Pharm.D, Postgraduate Diploma in Clinical Research and Postgraduate Students of Pharmacy Practice from 17th – 19th January 2023. Dr. Rovin Mathew Theempalangad, Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru was the resource person. The objective of the guest lecture was to make students understand about Startup activities in the conduct of clinical trials. About 60 students attended the guest lectures.

23-01-2023: Mr.Kishore Doddakula, Clinical Lead & consultant Cardiothoracic Surgeon, Cork University Hospital, Republic of Ireland presented on CALS :Care for patients who need acute cardiac life support post cardiac surgery at SRCA, JSS Hospital

24-02-2023: Dr.Dhvani Mehta, Co-Founder and Lead, Health Vidhi Centre for Legal Policy delivered a lecture on the topic: Legal Framework on End of Life Care in India

03-06-2023: Dr.Jeffrey Klausner, Clinical Professor of Medicine, Infectious Disease Population and Public Health Sciences, KECK School of Medicine, University of Southern California, USA delivered a lecture on Drug resistant infections on 03-06-2023 at SRCA.

07-06-2023: Advanced Lung Disease and Lung Transplantation – When to Refer? – was presented by Dr. Manjunath M.N., Consultant Interventional & Transplant Pulmonologists and Perioperative critical care in lung transplantation and ECMO as a bridge to transplantation was presented by Dr.Anoop M., Consultant Cardiothoracic Anaesthesia and Critical Care. This was followed by talk on Surgical aspects in Lung Transplantation Dr.Mahesh B.N., Consultant Cardiothoracic and Vascular Surgery, Overview of Lung Transplantation – Case scenarios by Dr.Manjunath M.N and Dr Anoop M spoke on “Our journey in thoracic organ transplantation” on 07-06- 2023 at SRCA, JSS Hospital. Resource Persons were from KIMS, Hyderabad. All these sessions were chaired by Dr.Shyam Prasad Shetty, Deputy Director (Clinical), Prof. & HOD of CTVS, Dr.B.S.Jayaraj, Prof. & HOD of Respiratory Medicine, Dr.Lakshmi Narasimhan R., Consultant Pulmonologists, Manipal Hospital chaired the session.

Value added programme:

Sl. No.	Title	Name of the Department	Date	No. of participants attended
1.	Sophisticated Equipment-EEG	Pharmacology	27 and 28 th Jan, 2023	40
2.	Spanish Language course-I	Institution	28 th Feb, 2023 & 1 st March, 2023	60

HEALTH CAMPS AND AWARENESS PROGRAM CONDUCTED IN COLLABORATION WITH NGOS

World Food Day 2022 - 18th October 2022: A health awareness programme and free health checkup camps were organized in Rajarajeshwari nagar, Bamboobazar on 18th October 2022. Programme was organized in Anganwadi in coordination with Sri Darmasthala Manjunatheshwara sthree sanga.

NSS HEALTH CAMP REPORT – 26-07-2022: **SPOORTHY** ladies wing of the builders' association of "**Builder's Association of India**" (BIA) has conducted a health check-up camp at Dattagalli, Mysuru. under the aegis of JSS Medical College, Academy of Higher Education and Research, NSS wing, Mysuru on the 26th of July 2022, held from morning 11 AM-4 PM.

SCIENCE EXPO-2022 – 09-07-2022: organised by **Mysore Science Foundation** (MSF) as part of its Decennial celebrations at Sadvidya Semi-residential PU College in Vijayanagar Second Stage, Mysuru on 09/07/2022. **Gross human anatomy specimens** (cardiovascular system, respiratory system, genitourinary tract, gastrointestinal tract) and **plastination specimens** from the Department of Anatomy, JSS Medical College, Mysuru were exhibited

World Tuberculosis Day was observed by Department of Community Medicine, JSS Medical College, JSS AHER, Mysuru in association with the JSS Nursing College, Mysuru at JSS Urban Health Centre, Medar Block, Bamboo Bazar, Mysuru on 23.03.2023.

International NASH Day/NAFLD: The School of Public Health, in collaboration with the Department of Gastroenterology at JSS Medical College and Hospital, JSS Academy of Higher Education and Research (JSSAHER), organized a grand Walkathon to raise awareness about International NASH Day/NAFLD in front of Mysuru Palace's Kote Anjaneya Temple on 24th June 2023.

International Day against Drug Abuse and Illicit Trafficking – 26th June 2023 observation by the Dept. of Forensic Medicine. Mr. Sam Varghese, Director, Leader Impact, Mysuru introduced the participants to Drug Awareness Photo Contest - Focus Life, organised by Leader Impact and Character Solutions International in partnership with Students in Touch. The said photo contest intended to raise awareness among college students regarding growing menace of drug mafia.

INTERNATIONAL VISITS BY FACULTY/STUDENTS & STUDENT EXCHANGE PROGRAMME SUPPORTING SDG 17

Mrs.Nishitha R Kumar, PhD Scholar, Department of Biochemistry presented a paper on the titled “Genomics of MDR Escherichia coli and Klebsiella pneumoniae reveals antibiotic resistant genes and virulence factors from clinical isolates of sepsis patients” on 17th to 20th April 2023 at the Birmingham International Convention Centre, United Kingdom.

Dr.Prathibha Pereira, Professor & Head, Department of Geriatrics chaired a session during international geriatric conference ‘ Silverage 2023 at Sri Lanka on 26th & 27th May 2023

Dr.Manjuanth S Shetty, Prof & HOD, Dept. of Nephrology presented a poster titled “Assessment of LV function with speckle – tracking echocardiography vs conventional 2D echocardiography & its correlation with soluble suppression of tumorigenesis biomarker in patients with chronic kidney disease” at International Society of Nephrology, Thailand, 30th March to 2nd April 2023.

Dr.Sowrabha Rajanna, Asst.Prof, Dept. of Nephrology presented a poster titled “Changing trends in pregnancy related acute kidney injury – a single centre prospective observational study from Southern India” at International Society of Nephrology, Thailand, 30th March to 2nd April 2023.

Sarada Samanta, 9th Term MBBS student, participated in WHO conference at the General Assembly of United Nations Headquarters, New York City on 26.03.2023. Topic: Building national capacities for health emergencies and disaster management and health system resilience.



STUDENT EXCHANGE PROGRAMME SUPPORTING SDG 17



Ms. Anne Laure Vandeveld and **Ms. Suze Lievrouw** from KU Leuven University, Belgium will be pursuing observership at the Department of Paediatrics, JSS Hospital between 12th September 2022 to 8th October 2022 under the mentorship of Dr.Narayanappa, Professor, Department of Paediatrics.

Eight Students from the University of Malaya, Kuala Lumpur, Malaysia completed their observership for a duration of 06 weeks at the JSS Hospital between 31st October 2022 to 8th December 2022 in the department of Paediatrics, Obstetrics and Gynaecology, General Surgery, Nephrology, Gastroenterology, Rheumatology, Emergency Medicine, Cardiology, Cardiothoracic Vascular Surgery and Neurology.



Mr.Benakaraj A.R. in second year medical course in Mari State University, Russia has completed observership at JSS Hospital, Mysuru, Karnataka, India in the department of Radiology, Neurology, General Surgery, Cardiology, ENT between 8th August 2022 to 13th September 2022 each for a duration of one week.



Ms.Navvana From Lady of Fathima University, Manila, Phillipines completed Observership at JSS Hospital between 15th September 2021 to 30th December 2022. Ms.Navvana was posted in in the department of Community Medicine, Ophthalmology, ENT, Psychiatry, and Internal Medicine, Paediatrics, Surgery and Obstetrics and Gynaecology.

Ms.Khushi Dagli from Quinnipiac University, USA is pursued observership at JSS Medical College and JSS Hospital in the Department of Community Medicine, School of Public Health, Hospital Administration, Dept of Obstetrics and Gynaecology, and Paediatrics for a duration of 4 weeks from 5th June 2023 to 1st July 2023. She visited Anganwadi centre, and District Rehabilitation Centre, Mysuru to understand the functioning of the centres.



Students from Minnesota Medical School and University, USA visited department of Psychiatry as a part of student exchange programme organised by Vivekananda Institute of Indian Studies, Swami Vivekananda Youth Movement on 4th January 2023

PLACEMENT AND INTERNSHIP DRIVES FROM REPUTED ORGANIZATIONS

Placement and internship drives from reputed organizations associated with JSS Academy of Higher Education and Research (JSSAHER) hold a significant connection with SDG 17, which emphasizes the importance of global partnerships for sustainable development. Here's how these drives align with SDG 17:

1. **Global Cooperation:** By facilitating placements and internships with renowned organizations, JSSAHER promotes global cooperation and collaboration. These opportunities often involve partnerships with international institutions and corporations, contributing to the development and exchange of knowledge and skills on a global scale.
2. **Knowledge Transfer:** The placement and internship programs serve as a means for knowledge transfer. Students have the chance to learn from experienced professionals and apply their learning to real-world situations, fostering a culture of knowledge sharing and capacity building, which are crucial components of SDG 17.
3. **Economic Growth:** By connecting students with reputable organizations, JSSAHER contributes to economic growth and sustainable development. These experiences can lead to future employment opportunities and skill development, supporting SDG 8 (Decent Work and Economic Growth).
4. **Innovation and Entrepreneurship:** Participation in internships and placements often exposes students to innovative practices and entrepreneurial endeavors. This aligns with the spirit of SDG 9 (Industry, Innovation, and Infrastructure) and SDG 17, which encourage partnerships for technology transfer and innovative solutions.
5. **Skills Development:** Internship and placement opportunities provided by reputed organizations help in skills development, making individuals more competitive in the global job market. This, in turn, supports SDG 4 (Quality Education) by ensuring access to quality learning experiences.
6. **Sustainable Solutions:** Through internships, students may have the opportunity to work on projects related to sustainable development, contributing to SDG 17's goal of fostering global cooperation for sustainable solutions to global challenges.

In summary, placement and internship drives orchestrated by JSSAHER with reputable organizations directly align with the principles of SDG 17. They promote global cooperation, knowledge sharing, economic growth, innovation, skills development, and the pursuit of sustainable solutions, all of which are crucial elements in achieving the Sustainable Development Goals

Placement and Internship Drives from Reputed Organizations

Organization	Details
<p>Indian Airforce- Career Orientation Program for students of JSSAHER</p> 	<p>Department of Health System Management Studies, JSSAHER Mysuru as a part of the Training and Placement Initiative with the association of the Indian Air Force organized a career orientation Program for students across the JSS Academy of Higher Education & Research on 7th July 2023. Which is first of its kind Initiative. Flight Lieutenant Gaurav Sharma along with his troops had an Inspection of the Campus on July 6 th and had a meeting with the University Officials and Dean Academics Dr Vishal Kumar Gupta about the arrangement of the Carrer Orientation.</p> <p>Flight Lieutenant Gaurav Sharma then addressed the students regarding various career options which are available in Indian Airforce and how to get into Indian Air Force. Students were highly Interactive and had conversations with Flight Lieutenant Gaurav Sharma on various career aspects of the Indian Air Force.</p>
<p>Nestlé S.A. Swiss multinational food and drink processing conglomerate corporation headquartered in Vevey, Vaud, Switzerland.</p> 	<p>Nestlé S.A. Swiss multinational food and drink processing conglomerate corporation headquartered in Vevey, Vaud, Switzerland. It has been the world's largest publicly held food company, measured by revenue and other metrics, since 2014. Conducted Campus Placement for the Department of Health System Management Studies Students of MBA IV Semester and MSC Nutrition and Dietetics. Nestle Team Consisted of two members Mr. Bibi Joseph Regional Manager of Karnataka and Ms. Kanishkaa HR Manager had Visited the Campus. Dr. HK Mamatha Dean of Management Studies, Dr. Raveesha Dean of the Faculty of Life Sciences, Dr. Vanita Reddy Coordinator of the Faculty of Life Sciences, and Mr. Harshith N Placement Coordinator DHSMS were Present.</p>
<p>Impact Guru: a crowdfunding platform</p>	<p>Impact Guru, a crowdfunding platform in India offering fundraising solutions for medical</p>



treatments, emergencies, NGOs & startups conducted a Fellowship Drive for students of the Department of Health System Management Studies, MBA II Year (MBA Hospital administration and MBA Pharmacy Administration). Ten Students were selected and will be getting performance-based Fellowships to the tune of rupees Twenty-Five thousand a month for a period of three months.

Internship and Placement Opportunities



Department of Health System Management Studies, elated to inform that six students of MBA Pharmacy Administration Shubangini Narayanan T, Muhammed Nadeer, Abhijith Babu, Nikhila Raj, Aksa Sabu, and Abhiram S have got selected for paid Internship with Atrimed Pharmaceuticals for period of three months. Department of Health System Management Studies, elated to inform that six students of MBA Pharmacy Administration, Prameela CH, Hemana Desetty and Ashfaque Muhammed have been selected for Internship in PMT (Product Management Team) with Bal pharma Limited for Period of three months. Department of Health System Management Studies, takes pleasure to inform that three students of MBA Hospital Administration, Dinesh Kumar C, Dr Bannamma S and Kuttappa KG have been selected for paid Internship in Apollo Home Care for period of three months

Praedico Global Research Pvt. Ltd



India's finest FINTECH research firm which develops Artificial Intelligence-based forecasting products Praedico Global Research Pvt. Ltd. is based out of Delhi. Conducted Summer Internship Drive for Students of the Department of Health System Management Studies, MBA I Year (MBA Hospital administration and MBA Pharmacy Administration). Twelve Students were selected and each of the students will be getting a Performance Based stipend of rupees Ten thousand from the Firm for a period of one month. Dr. H.K. Mamatha, Associate Professor & Head, DHSMS, and Mr. Harshith, Asst. Professor, Training and Placement coordinator, DHSMS coordinated and facilitated the interview for the students.

Our Top Recruiters:



PUBLICATION SUPPORTING SFDG 17

Text Books Authored / Chapters Contributed by Faculty-

Sl. No	Chapter Title	Authors	Book title	Edited by	Publisher	Vol/ISB N/Pg No
1.	Targeted Nanomedicine for Breast Cancer Therapy	Dr. Vikas Jain	Targeted Nanomedicine for Breast Cancer Therapy	Shivani Rai Paliwal, Rishi Paliwal	Academic Press	9780128244760
2.	Fundamental of Organization Behavior	Dr U R Rakshith	Fundamental of Organization Behavior	Varun Mishra	Book Rivers	978-93-5515-161-2
3.	A Traditional Approach To Manage Depression - Emphasizing On Medicinal Herbs And Phytochemicals As Anti Depressants	Seema Mehdi, Dr.K L Krishna	Medicinal And Aromatic Plants Of The World	Munir Ozturk	UNESCO-EOLSS	NA
4.	Targeting triple-negative breast cancers using nanomedicine	Dr. Rupshee Jain	Targeted nanomedicine for Breast cancer Therapy	Shivani Rai Paliwal and Rishi Paliwal	Academic Press	9780128244760

5.	Chapter 9 - Targeting triple-negative breast cancers using nanomedicine	Dr. Vikas Jain	Targeted Nanomedicine for Breast Cancer Therapy	Shivani Rai Paliwal, Rishi Paliwal	Academic Press	9780128244760
6.	Advanced drug delivery systems involving lysosomal storage disorders for Schinder disease and other disorders	V. Balamuralidhara	Drug Delivery Systems for Metabolic Disorders	N. Vishal Gupta ¹ , K. Trideva Sastri	Elsevier Inc	
7.	Biomedical applications of carbon nanotubes	B. Vidya, Asha P. Johnson, G. Hrishikesh, S.L. Jyothi, S. Hemanth Kumar, H.V. Gangadharappa	Fiber and Textile Engineering in Drug Delivery Systems	Navneet Sharma and Bhupendra Singh Butola	Woodhead Publishing is an imprint of Elsevier	978-0-323-96117-2
8.	Qbd-Based Development Of Orodispersible Films Of Antipsychotic Drugs	Dr. M.P. Gowrav	Recent Advances In Pharmaceutical Sciences	Dr. Satish Shilpi and Dr. Rupesh K. Gautam	Innovare Academic Sciences Pvt Ltd	978-81-958789-2-5
9.	Handbook of Essential Medicines in Geriatrics	Dr Sri Harsha Chalasani	Handbook of Essential Medicines in Geriatrics	Dr M Ramesh	Innovative Publication Books	978-93-91208-58-5

10.	Hospital Management Challenges	Dr. Mahalakshmi AM	A Guide to Hospital Administration and Planning	Dinesh Bhatia, Prabhat Kumar Chaudhari, Bhupinder Chaudhary, Sushman Sharma, Kunaal Dhingra	Springer	978-981-19-6692-7
11.	Human Resource Management in Hospitals	Dr. Mahalakshmi A M	A Guide to Hospital Administration and Planning	Dinesh Bhatia, Prabhat Kumar Chaudhari, Bhupinder Chaudhary, Sushman Sharma, Kunaal Dhingra	Springer	978-981-19-6692-7
12.	Transportation in Hospitals	Dr. Mahalakshmi A M	A Guide to Hospital Administration and Planning	Dinesh Bhatia, Prabhat Kumar Chaudhari, Bhupinder Chaudhary, Sushman Sharma, Kunaal Dhingra	Springer	978-981-19-6692-7
13.	Central Service Sterile Department	Dr. Mahalakshmi A M	A Guide to Hospital Administration and Planning	Dinesh Bhatia, Prabhat Kumar Chaudhari, Bhupinder Chaudhary, Sushman Sharma, Kunaal Dhingra	Springer	978-981-19-6692-7

14.	Determining the Morphological and Anatomical Characters of the Whole Plant of <i>Trichodesma indicum</i>	Dr. J Suresh	Current Overview on Pharmaceutical Science	Dr.Syed A. A. Rixvl	B P International	978-81-19039-59-3
15.	Advanced drug delivery systems involving lysosomal storage disorders for Schinder disease and other disorders	1. N. Vishal Gupta, K. Trideva Sastri, M. Sharadha, Souvik Chakraborty, V. Balamuralidhara	Drug Delivery Systems for Metabolic Disorders	Harish Dureja, S. Narasimha Murthy, Peter R. Wich, Kamal Dua	Elsiever	9780323996167
16.	Agar-Based Drug Delivery Systems for Respiratory Disease	Gupta, N.V., Chakraborty, S., Sastri, K.T., Sharadha, M., Veeranna, B	Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases	Dureja, H., Adams, J., Löbenberg, R., Andreoli Pinto, T.d.J., Dua, K.	Springer	978-981-19-7655-1
17.	Carrageenan-Based Drug Delivery Systems for Respiratory Disease	N. Vishal Gupta, Souvik Chakraborty, Balamuralidhara Veeranna, Riyaz Ali M. Osmani, Afrasim Moin, K. Trideva Sastri, M. Sharadha	Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases	Dureja, H., Adams, J., Löbenberg, R., Andreoli Pinto, T.d.J., Dua, K	Springer	978-981-19-7655-1

RESEARCH PUBLICATIONS SUPPORTING SDG 17

1. Sneha Annie Sebastian, Venkatesh Panthangi, Karanbir Singh, Swetha Rayaroth, Aditi Gupta, Darshan Shantharam, Banan Qasim Rasool, Inderbir Padda, Edzel Lorraine Co, Gurpreet Johal. Hypertrophic Cardiomyopathy: Current Treatment and Future Options. *Current Problems in Cardiology*. 2023 April;1-44p.
2. Ms Seema Mehdi, Dr Kishor M, Atiqulla Shariff, Nabeel Kinattingal, Shahid Ud Din Wani, Sultan Alshehri, Mohammad T Imam, Faiyaz Shakeel, Kamsagara L Krishna. Omega-3 Fatty Acids Supplementation in the Treatment of Depression: An Observational Study. *Journal of Personalized Medicine*. 2023 Jan 27;13(2):224.
3. Anil Nanda MD, Roxana Siles, Henna Park, Margee Louisias, Barbara Ariue, Maria Castillo, Dr Mahesh P A, Anh Nguyen, Tiffany Jean MD, Michael Lopez, Roula Altisheh, Andrea A Pappalardo. Ensuring Equitable Access to Guideline-Based sthma Care Across the Lifespan: Tips and Future Directions to the Successful Implementation of the New NAEPP 2020 Guidelines, A Work Group Report of the AAAAI Asthma, Cough, Diagnosis and Treatment Committee. *Journal of Allergy and Clinical Immunology*. 2023 Jan 28;S0091-6749(23):00121-5.
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9. Chandan Dharmashekar, Bhargav Shreevatsa, Anisha S Jain, Bhavana Harendra, Sushma Pradeep, Dr Prashant M Vishwanath, Balamurugan V, Vinod KK, Sharanagouda S Patil, Raghavendra G Amachawadi Evaluating the Antimicrobial and Anti-Hemolytic Activity of Synthesized Pseudopeptide against Leptospiral Species: In Silico and In Vitro Approach. *Molecules*. 2023 Jan 22;28(3):1106.
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