

Report on Programmes Promoting Awareness on Energy Efficiency, Clean Energy & Environmental Sustainability for the Local Community

1. JSS Academy of Higher Education & Research (JSS AHER), Mysuru, actively engages in community-based education, awareness and capacity-building programmes that contribute directly and indirectly to **energy efficiency, clean energy adoption, environmental sustainability and climate resilience**. Through its medical college, School of Public Health, NSS units, research centres, Jan Shikshan Sansthan and affiliated departments, JSS AHER integrates sustainability education into **outreach, training, research and community extension activities**.

The institution strongly aligns with the **UN Sustainable Development Goal 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities & Communities), SDG 12 (Responsible Consumption) and SDG 13 (Climate Action)** by sensitizing students, healthcare professionals and the surrounding community on the link between energy, environment and health.

2. Community Outreach Programmes Promoting Environmental Sustainability & Energy Consciousness

Swachhata Hi Seva – Cleanliness & Waste Reduction Drive (09-10-2024)

- **Organised by:** NSS Unit, JSS Medical College
- **Participants:** 30 student volunteers
- **Location:** JSS Hostel Campus & surrounding community area
- **Activity highlights:**
 - Removal of plastic waste, wrappers and non-biodegradable debris
 - Promotion of waste segregation and clean surroundings
 - Sensitisation of students and public on reducing environmental pollution – a major indirect contributor to reduction of carbon and energy footprint
- **Outcome:**
 - Enhanced public awareness on sustainable waste management
 - Strong message on how cleanliness and reduced plastic pollution lowers energy required for waste processing and incineration

Link to Energy Efficiency:

Plastic recycling and waste reduction reduce fossil-fuel based energy use in production processes and lower landfill-induced methane emissions.

Community Plantation Drives – Carbon Sequestration & Environmental Cooling

a) Family Adoption Programme Plantation Drive – Oct 2024

- **Villages:** Hanchya & Ramanahalli
- **Participants:** MBBS Phase II – 2022-23 batch
- **Activity:**
 - Distribution of herbal plants to adopted families
 - Felicitation of ASHA and PHC staff
- **Impact:**
 - Promoted household-level green coverage
 - Encouraged sustainable micro-ecosystems that reduce energy demand (natural cooling)

b) World Environment Day Plantation Drive – 15.06.2024

- **Village:** Hale Kesare
- **Total saplings planted: 120 saplings**
- **Type:** Mahogany and Honge
- **Support:** Forest Department, Mysuru Division & local donors

c) World Environment Day Plantation – Campus (05-06-2025)

- **Planted by:** Principal, Vice-Principals, Administrative Officers, NSS volunteers
- **Type:** Jackfruit saplings in JSSMC garden

Link to Clean Energy & Efficiency:

- Trees act as **natural carbon sinks**
- Enhance **microclimatic cooling** of campus reducing use of artificial cooling systems (AC/fans)
- Promotes long-term **energy conservation through urban greening**

3. Awareness Programmes on Environmental Protection & Climate Resilience

3.1 World Environment Day Quiz Competition – 04-06-2024

- **Theme:** Land Restoration, Desertification and Drought Resilience
- **Participants:** 10 teams (1–4 members each)
- **Key Focus:**
 - Environmental sustainability
 - Ecosystem restoration
 - Climate change mitigation

Impact:

Young students developed a clear understanding of how energy overuse contributes to land degradation and how sustainable energy is critical for environmental regeneration.

3.2 Swachhatha Sarvekshan – Kukkarahalli Lake (16-02-2025)

- **Participants:** 25 students
- **Organised by:** Mysuru City Corporation
- **Activity:** Cleaning drive around lake ecosystem

Relevance to clean energy:

Protecting water ecosystems reduces energy that would otherwise be required for water treatment and purification, supporting sustainable resource management.

4. Technical & Scientific Programmes Supporting Clean Energy Knowledge

4.1 Winter School in Geospatial Science & Technology

Date: 27th Nov – 17th Dec 2024

Funding: National Geospatial Program, DST, Govt. of India

Participants: 25 (doctors, scientists, engineers, PhD scholars)

Key focus areas:

- GIS applications in air pollution & climate change
- Environmental mapping
- Land-use planning for sustainable development
- Use of QGIS & SAGA software

Field Visit: Suttur region for real-time environmental observation

Impact:

- Strengthened expertise in mapping energy-intensive zones and pollution hotspots
- Enables better planning of renewable energy siting and eco-friendly infrastructure

4.2 Microplastics & Next-Gen Remediation Technologies (02-01-2025)

- **Speaker:** Dr. Thava Palanisami, University of Newcastle, Australia
- **Department:** Biochemistry
- **Theme:** Advanced remediation & pollution control

Relevance:

- Addressing microplastic pollution reduces fossil-fuel-based production
- Promotes safer and environmentally friendly alternatives

5. Community Awareness Programmes on Environmental Health

5.1 Dengue & Malaria Awareness (23-07-2024)

- Conducted at: JSS Urban Health Centre
- Included:
 - Hygiene awareness

- Link between stagnant water, energy-driven processes (pumps, treatment) and disease

Outcome:

Reduced dependency on electrical pest control and unnecessary chemical interventions, enhancing natural prevention strategies.

5.2 Arthropod Symposium – 24 & 28 Sept 2024

Training on vector-borne diseases and eco-friendly control methods reducing dependency on power-based chemical sprays.

6. Research Supporting Clean Environment & Energy Reduction

The following funded projects have **direct or indirect bearing on clean energy, pollution control and environmental protection**:

| Project Title | Funding Agency | Amount | Duration | Relevance |
|---|-----------------------|---------------|-----------------|--|
| Phytoremediation of indoor air using plant wall systems | ICMR | ₹40.31 lakhs | 3 years | Natural air purification reduced energy for air filtration |
| Air Pollution & Lung Growth in Urban Children | DBT/Wellcome | ₹3.5 Cr | 5 years | Evidence for clean energy adoption |
| Biomass smoke-induced COPD | Swedish Foundation | ₹65 lakhs | 3 years | Highlights need to shift from biomass to clean energy |
| Agrochemical exposure epidemiology | ICMR | ₹36.9 lakhs | 3 years | Promotes organic/low energy farming |

Total external funding with environmental or clean-energy linkage: Over ₹6 Crore

7. Capacity Building of Faculty in Sustainability & Climate Issues

Faculty members completed multiple national and international certification programmes such as:

- **One Health (NPTEL-ICMR-IIT Madras)**
- **Climate & Health workshops**
- **AMR & Environmental Health webinars**
- **Life skills & climate resilience seminars**
- **Harvard TH Chan – Endocrine Disruptors & Environment courses**

These trained faculties further transfer sustainability knowledge to students and communities.

8. Community Impact – Quantitative Summary

| Activity | Beneficiaries |
|--|--------------------------------|
| Swachhata Drives | 110+ students + local citizens |
| Tree plantation | 120+ saplings + campus trees |
| Lake Clean-up | 25 students + city volunteers |
| Environmental quiz & awareness | 150+ students |
| Dengue/environmental health sessions | 30+ beneficiaries |
| Winter School on GIS | 25 professionals |
| Radiation & Biosafety Workshops | 87+ participants |
| Research Beneficiaries (direct & indirect) | 10,000+ population |

**Total estimated direct & indirect community beneficiaries:
10,500+**

9. Institutional Commitment to Clean Energy & Energy Efficiency

JSS AHER's programmes collectively contribute to:

- Reduced carbon footprint
- Promotion of green cover
- Less dependence on fossil-fuel intensive processes
- Increased awareness of renewable energy and sustainable practices
- Integration of environmental education in the medical and public health curriculum

The institution adopts a **multi-dimensional approach** combining:

- Education
- Community service
- Research
- Capacity building
- Public engagement

This makes it a **model institution promoting affordable and clean energy awareness in the community.**

9. Community–Centric Environmental Health & Energy Awareness through NSS and Public Health Programmes

Initiative: *“Healthy Environment – Healthy Community” Drive*

Description:

JSS AHER, through its NSS Unit, School of Public Health and Department of Community Medicine, conducted multiple community-based activities that emphasized the interlinkage between **environmental health and sustainable energy practices**. These activities highlighted how pollution, poor sanitation and inefficient resource use directly impact human health and increase energy consumption for remediation.

Major Activities Included:

- Swachhata Hi Seva cleanliness drive (JSS campus and surrounding community)
- Swachhata Sarvekshan at Kukkarahalli Lake in collaboration with Mysuru City Corporation
- Dengue and malaria awareness programs highlighting the role of clean surroundings and proper waste/water management
- Environmental pledge and plantation drives in adopted villages
- Environment Day celebrations in campus and rural settings

Community Impact:

- Raised awareness among **200+ local community members** on sustainable living
- Encouraged eco-friendly practices which reduce dependence on energy-intensive sanitation systems
- Promoted behavioural change towards **waste segregation, water conservation and responsible energy use**

Link to Energy Efficiency:

By reducing environmental pollution and unmanaged waste, these activities decrease the need for energy-consuming treatment processes and foster low-energy, sustainable community practices.

10. Academic & Professional Capacity Building in Sustainability, Climate Change and Clean Energy Awareness

Initiative: *“Education for a Sustainable Future”*

Description:

JSS AHER placed strong emphasis on **training students, faculty and professionals** in sustainability-related domains through certified courses, workshops and expert lectures related to climate change, One Health, pollution, occupational safety and environmental health.

Notable Trainings & Events:

- **One Health Certificate Course (NPTEL–ICMR–IIT Madras)**
- **Winter School on Geospatial Science & Technology (DST, Govt. of India funded)**

- Focus on GIS applications in air pollution, land use and climate change
- Seminars on:
 - Microplastics and remediation technologies
 - Environmental pollutants and respiratory health
 - Vector-borne diseases and ecosystem imbalance

Outcomes:

- **50+ faculty members and students** trained in sustainability-related domains
- Creation of a pool of **eco-conscious professionals and community educators**
- Strengthened research–community–policy link for sustainable decision making

Energy Linkage:

These programmes contribute to long-term energy efficiency by fostering informed decision-making and promoting **renewable energy adoption and sustainable lifestyle choices**.

11. Research-Driven Community Awareness on Pollution, Climate Change and Sustainable Alternatives

Initiative: “*Research for Clean Air & Clean Energy Transition*”

Description:

Through externally funded and institutional research projects, JSS AHER actively contributes to identifying the harmful impacts of air pollution, biomass fuel use and unsustainable energy practices. The outputs of these projects directly support advocacy for **clean energy alternatives**.

Key Research Areas:

| Focus Area | Relevance to Clean Energy |
|--|--|
| Biomass smoke & COPD | Promotes transition to cleaner cooking fuels |
| Indoor air pollution remediation (plant-based) | Low-energy natural air purification |
| Agrochemical exposure studies | Encourages organic, low-energy farming |
| Air quality and lung development studies | Supports clean transport and renewable energy policies |

Major Funding Support:

- ICMR
- DBT–Wellcome Trust
- Swedish Heart–Lung Foundation
- Pfizer (USA)

Community Relevance:

- Findings shared through workshops, seminars and health education campaigns
- Informs rural and urban communities about the dangers of fossil fuel use
- Encourages uptake of **solar, clean cooking fuels and green technologies**

10. Conclusion

JSS AHER demonstrates clear evidence of **continuous and impactful programmes for the local community** focused on:

- ✓ Energy saving behaviours
- ✓ Environmental conservation
- ✓ Sustainable resource use
- ✓ Promotion of clean alternatives
- ✓ Climate change resilience

These initiatives strongly support its commitment to **sustainable development and clean energy education**, thereby making it fully compliant and competitive for global ranking indicators related to SDG 7 and SDG 13.

Detailed programs and the projects are provided below along with the photographs:

Research Projects – Ongoing (External)

| Title of the project | Principal Investigator | Funding agency | Date of sanction | Amount sanctioned | Duration |
|---|---|----------------|------------------|-------------------|----------|
| Phytoremediation of indoor air pollution in urban homes to improve air quality using innovative-sustainable technology based-plant wall air filtration system | Dr. Rajesh Kumar T Professor of Biochemistry | ICMR | Feb 2024 | 40.31 | 3 Yrs. |
| Methylation of genes regulating adipogenesis (PPAR gamma, CEBPA, SREBF1) and its relation with serum vitamin D in young adults with and without obesity | Dr.Shobha C.R | ICMR | Dec 2021 | 45.53 lakhs | 3 Yrs. |
| Development of Millet based dietary fiber for protection of allergic | Dr.Kiran | ICMR | Nov, 2021 | 40 lakhs | 3 Yrs. |

| | | | | | |
|--|--|---|--------------|----------------------------|--------------------------|
| asthma by modulating gut microbiome derived short chain fatty acids | | | | | |
| Epidemiology of chemical hazards among workers in different spectrum of agriculture activities of Southern India: a community based exploratory survey | PI: Dr Nayanabai Shabadi Assistant Professor, Department of Community Medicine | ICMR | May 2023 | 36,96,817 | 3 Yrs. |
| Longitudinal effects of Air Pollution Exposures on Lung growth and development of biomarker of lung function deficit in Urban Children | Dr. Rajesh Kumar T. & Dr.P A Mahesh | India Alliance DBT- Welcome | Oct 2020 | 350.0 | 5 Yrs. |
| Prevalence of micronutrient deficiency, nutritional status and cognitive dysfunction among elderly residing in tribal areas of southern Karnataka | Dr.Praveen Kulkarni | DBT | June 2020 | 27.5 | 3 Yrs. |
| Community centred Health system strengthening for outpatient antimicrobial stewardship with replicating effective programs and framework | Dr. Sunitha Chandrashekhar Srinivas | Pfizer- USA | January 2021 | 1 crore | 4 Yrs. |
| Global Infectious Diseases | Dr.Mahesh P A | Global Infectious Disease (GID), Fogarty, NIH | 01.06.2017 | USD 1.1 Million Sanctioned | 01-06-2017 to 28-02-2023 |
| Molecular patho-mechanism of biomass smoke | Dr.Mahesh P A | Swedish Heart Lung foundation, | 17.06.2019 | 65 Lakhs Received | 01-07-2019 to |

| | | | | | |
|---|----------------|---|------------|-------------------|--------------------------|
| induced chronic obstructive pulmonary disease among women: Population based- and in vitro exposure studies | | Karolinska Institute, Sweden | | | 31-12-2022 |
| Understanding the role of lung micro biome in biomass smoke exposure related chronic obstructive pulmonary disease | Dr.Mahesh P A | Swedish research council, Karolinska Institute, Sweden | 21.10.2021 | 46 Lakhs Received | 01-01-2021 to 31-12-2022 |
| Adverse effect of outdoor and indoor air pollution on respiratory and vascular function among adolescents | Dr.Mahesh P A | Swedish Heart Lung foundation, Karolinska Institute, Sweden | Jan 2022 | 15 Lakhs Received | 21-03-2022 to 02-06-2023 |
| Pilot study to investigate reasons for poor asthma control and to characterize Asthma and allergic rhinitis in the Indian population (SIRPAC India study & CAAR study) – A mixed methods approach | Dr. Mahesh P A | University of Birmingham | April 2021 | 20 Lakhs Received | 3 Yrs. |

ICMR, Lady Tata Memorial Trust Scholarship & DBT Fellowship details

| Title of the project | Principal Investigator | Funding agency | Amount sanctioned | Duration |
|--|--|----------------|-------------------|----------|
| Effect of vitamin D on angiogenesis and oxidative stress induced changes in the glomerular basement membrane during diabetic nephropathy | Ms.Lavanya B R SRF Dept of Biochemistry JSS Medical College Mysuru | ICMR | 15,21,600.00 | 3 Yrs. |
| Study of the efficacy of thymus vulgaris extract to mitigate COPD pathogenicity induced | Mr.Mohammed Kaleem Ullah, Ph.D scholar, Dept of Biochemistry, | ICMR | 12,60,000.00 | 3 Yrs. |

| | | | | |
|--|---|------|-------------|--------|
| by cigarette smoke extract using an in vitro model | JSS Medical College, Mysuru | | | |
| Assessing the impact of vitamin-D supplementation in mitigating Type-2 diabetes-induced histopathological changes in the mouse brain | MsRimshia Naaz SRF Dept of Biochemistry JSSMC Mysuru | ICMR | 2,57,800.00 | 3 Yrs. |

ICMR STS - UG Student Research Projects – Ongoing

| Sl No | Title of the project | PI | Guide | Funding agency | Date of sanction | Amount sanctioned |
|--------------|--|---------------------|----------------------|-----------------------|-------------------------|--------------------------|
| 1 | Directed Antimicrobial Stewardship for Culture Proven Gram Negative Bloodstream Infections | Shreya Prasanna | Dr.Sujatha S R | ICMR | 2024 | 50,000.00 |
| 2 | Public awareness and attitudes towards microplastics: The Indian perspective | Parishkrit Parashar | Dr Uma Vijayashankar | ICMR | 2024 | 50,000.00 |

Research Projects – Ongoing (JSS AHER)

| Title of the Project | Name of the Principal Investigator/Mentor & Department | Amount sanctioned | Duration |
|---|---|--------------------------|-----------------|
| The effect of vitamin D supplementation on oxidative stress and renoprotection in streptozotocin-induced diabetic rats. | Dr.Akila Prashant Professor & HOD of Biochemistry JSSMC, Mysuru | 100,000.00 | 01 Yr |


| | | | |
|---|---|-------------|---------------------|
| Understanding the role of vitamin D angiogenesis and oxidative stress in diabetic nephropathy | Dr.Prashanth Vishwanath Professor of Biochemistry JSSMC, Mysuru | 300,000.00 | 01 Yr |
| Estimating the burden of fungal infections in the intensive care units (ICUs) and Non-ICU settings of a tertiary care hospital with Special emphasis on Candida auris | Ms.Niveditha Varma PG in Medical Microbiology JSS Medical College, Mysuru | 25,000.00 | 01 Yr |
| Comparative Evaluation of Antioxidant capacity and glycemic index of locally available fruits in healthy volunteers. | Mr.Sagar K PG Student in Biochemistry, JSSMC, Mysuru | 25,000.00 | 01 Yr |
| A Study to know the impact of black rice (Chak-Hao) on Glycemia in normal adults. | Ms.Singte Tabitha PG Student in Biochemistry, JSSMC, Mysuru. | 25,000.00 | 01 Yr |
| A Study to know the impact of black rice (Chak-Hao) insulin level in normal adults. | Ms.Swarna Mariam Biju PG Student in Biochemistry, JSSMC, Mysuru. | 25,000.00 | 01 Yr. 06 Months |
| Assessment of the Neuroprotective Effects of Herbal Extracts in Treating Alzheimers Disease Using a Model Organism. | Dr.Sushma P Asst. Prof. of Radio-Diagnosis, JSSMC, Mysuru. | 300,000.00 | 01 Yr |
| Integrated Genomic Analysis of Color rectal Cancer: MSI Status Detection and Microbial Diversity Exploration via DNA Extraction, PCR, and NGS | Dr.Sahana K.R Assistant Professor Department of Biochemistry, JSS Medical Collage, Mysuru | 3,00,000.00 | 24 Months |
| Clinical Significance and Outcome of Pseudomonas aeruginosa Infection of Complicated Urinary Tract Infection in A Tertiary Care Hospital | Mr.Ganesh R Post Graduate Student Dept of Microbiology, JSS Medical College, Mysuru. | 25,000.00 | 12 months |


| | | | |
|--|---|-------------|--------------|
| Assessing the prevalence and Impact of Indoor Air Quality on Respiratory Health Among Primary School Children in urban Mysuru an Analytical cross-sectional study | Ms.Sanjana M Post Graduate Student School of Public Health, JSS Medical College, Mysuru | 25,000.00 | 12 months |
| Assessing the effect of whole plant-based nutritional education on weight management, dietary habits, and health outcomes among overweight and obese women: a mixed-methods approach | Dr Madhu B, Deputy Dean (Research), Research, JSS AHER. | 1,50,000.00 | 14 Months |





SIG DETAILS - ONGOING



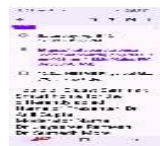

| Sl. No | Title of the Project | Name of the Principal Investigator | Department | Duration |
|--------|---|---|----------------------|----------|
| 1 | Respiratory and Environmental Diseases. | Dr. P A Mahesh Professor of Respiratory Diseases | Respiratory Diseases | 3 Yrs. |
| 2 | Antimicrobial Resistance | Dr.Deepashree R Asst. Professor of Microbiology, JSS Medical College | Microbiology | 3 Yrs |

GUEST LECTURE DELIVERED BY THE FACULTY

| Sl. No | Name of the faculty | Title | Date & Venue | Certificate / Photos |
|--------|-----------------------|---|--|---|
| 1 | Dr. Anshu Kumar Yadav | National Conference on New paradigms in biotechnology and sustainability (NPBS) | 7 th January 2025 St. Joseph's College, Tiruchirappalli |  |

| | | | | |
|----|-------------------------------|--|---|---|
| 2 | Dr. MVSST Subba Rao | National Science day | 28 th February 2025 Kuvempu University,Shankaragat ta, Shimoga |  |
| 3 | Dr. Ranjitha Shankaregowda | Infection control and prevention of needle stick injuries | 14 th May 2025 JSS College of Nursing, Mysuru |  |
| 4 | Dr. Sowmya G S | Tackling Antimicrobial Resistance through Gamification and Artificial intelligence | 25 th to 26 th April 2025 Dept of Microbiology, JSSMC, Mysore |  |
| 5 | Dr. Rashmi P Mahale | Tackling Antimicrobial Resistance through Gamification and Artificial intelligence | 25 th to 26 th April 2025 Dept of Microbiology, JSSMC, Mysore |  |
| 6 | Dr. Raghavendra M Rao | Tackling Antimicrobial Resistance through Gamification and Artificial intelligence | 25 th to 26 th April 2025 Dept of Microbiology, JSSMC, Mysore |  |
| 7 | Dr Mythily M R | As Co-Mentor in 21 days Winter school on Geospatial Science and Technology, Level-1 Standard Program | 17 th December 2024 JSS Medical College |  |
| 8 | Dr Rashmi S | As Resource Person in 21 days Winter school on Geospatial Science and Technology, Level-1 Standard Program | 17 th December 2024 JSS Medical College |  |
| 9 | Dr Rashmi S | As Co-mentor in 21 days Winter school on Geospatial Science and Technology, Level-1 Standard Program | 17 th December 2024 JSS Medical College |  |
| 10 | Dr Smitha MC | Adolescent Health | 10 th May 2025 Public Health Research Institute of India |  |

| | | | | |
|----|----------------------|--|---|---|
| 11 | Dr Smitha MC | Tobacco Threats | 31 st May 2025 JSS Dental College, Mysuru |  |
| 12 | Dr Mythily M R | Updates on national guidelines on Dengue and Chikungunya | 16 th May 2025 Online |  |
| 13 | Dr Praveen Kulkarni | Global and National Strategies for tobacco control | 31 st May 2025 JSS Dental College, Mysuru |  |
| 14 | Dr Praveen Kulkarni | Global and National Strategies for tobacco control | 31 st May 2025 JSS Dental College, Mysuru |  |
| 15 | Dr Anil S Bilimale | “Bridging Eras in Public Health: A Personal Narrative from Disease Eradication to Longevity and Well- Being” | 27 th May 2025 |  |
| 16 | Ms Sheeba B | JSS Panchamantra : A Lifestyle for Longevity | 28 th May 2025 |  |
| 17 | Dr.K.C.Shashidhara | APICON 2025 – 80 th annual conference of the Association of Physicians of India topic: “Dengue fever in pregnancy” | 23 rd to 26 th January 2025 APICON 2025, KOLKATA |  |
| 18 | Dr. Shilpa Avarebeel | Talk on Cleanliness, Health and Infectious Diseases | 23 rd March-2025 Suttur, Mysuru |  |

| | | | | |
|----|--------------------|---|--|---|
| 19 | Dr.Mahesh PA | The Indian College of Allergy Asthma and applied Immunology | 19 th to 22 nd December 2024 Delhi |  |
| 20 | Dr.Mahesh PA | Allergocon 2025 | 24 th & 25 th January 2025 IMA Vellore |  |
| 21 | Dr Jayasree Ramesh | Moderator Seminar Smart Home for the Differently Abled | 12 th April 2025 Delhi, National Board Examination |  |
| 22 | Dr Sarika M Shetty | Hospital infection control | February 2025 JSS College of Nursing Mysuru |  |

PAPER / POSTER PRESENTED BY FACULTY & STUDENTS

| Sl. No | Name of the faculty / Student | Papers / Posters presented | National / International | Title of the programme | Venue & Date presented |
|--------|-------------------------------|---|--------------------------|---|--|
| 1 | Dr. Divya A J | Oral presentation : Is there an association between physical exercise and screen time, sleep anxiety among Indian health care students. | International | Conference on Health Professions Education (ICHPE) 2024 | 13 th & 14 th Dec 2024; SDUAHER, Kolar |
| 2 | Mr. Vinay Kumar Vasimalli | Seroprevalence of Hepatitis C Virus infection at a tertiary care hospital in Mysuru region. | International | International Conference on Emerging and Re-Emerging infectious Disease | CSIR- SERC Taramani, Chennai. INDIA 17 th & 18 th Feb 2025. |
| 3 | Dr M N Sumana | Gamified Intervention to Enhance Antimicrobial | International | ESCMID Global 2025 | 11-15 th April 2025 European Society of |

| | | | | | |
|---|--|---|---------------|--|--|
| | | Stewardship: Improving Knowledge and Practices on the Rational Use of Antimicrobials Among Medicines and Therapeutics Committee Members | | | Clinical Microbiology and Infectious Diseases, Vienna, Austria |
| 4 | Dr. Nayanabai Shabadi Asso. Prof | Evaluating Agrochemical Residues in Agriculturists, Biological samples and correlating with Potential Health risks | International | CLiCON OEH2025 | February 26–28, 2025, Ahmedabad, |
| 5 | Dr Shilpa D M | Ambient air pollution and perceived health risks: A Qualitative study in Mysuru Urban | National | Research Scholars Conference | JSS MS 27.02.2025 |
| 6 | Ms Sheeba B | Longevity India RISE for Healthy Aging | International | Rise for Healthy Aging Conference | J N Tata Auditorium, IISc, Bangalore |
| 7 | Dr Divya K L | Longevity India RISE for Healthy Aging | International | Rise for Healthy Aging Conference | J N Tata Auditorium, IISc, Bangalore |
| 8 | Ms Chandana H N | Association of Air pollution and non communicable disease among traders community working around polluted roads in Mysuru : An analytical Cross- sectional study | International | Rise for Healthy Aging Conference | J N Tata Auditorium, IISc, Bangalore |
| 9 | Darshan | Environmental effects on latent Fingerprint Persistence And Quality | Regional | Research Scholar Conference 2025 | 27 th & 28 th Feb 2025 |

| | | | | | |
|----|-----------------------------|---|-------|---|---|
| 10 | Dr.K.M Srinath Professor | Effect of vitamin D on cytokine profile in diabetic and diabetic nephropathy | Local | Research Scholars Conference in Health Sciences and life Sciences - 2025 | 02 nd Feb 2025 JSS AHER Mysuru |
|----|-----------------------------|---|-------|---|---|

GUEST LECTURES CONDUCTED

| Sl. No | Department | Date | Topic | Speaker |
|--------|-------------------------|------------|--|--|
| 1 | Biochemistry | 02-01-2025 | <i>Microplastics and Next Gen Remediation Technologies</i> | Dr.Thava Palanisami, Associate Professor, Global Innovative Center for Advanced Nanomaterials (GICAN), The University of New Castle, Australia |
| 2 | Biochemistry | 24-01-2025 | <i>Biosafety Awareness – Overview and Safe Use of Laboratory Ventilation Equipment (Biosafety and Laminar Air Flow Cabinets)</i> | Ms. Sanjana V. Operations Supervisor ESCO Life Sciences Group, Bengaluru, Karnataka, India. |
| 3 | School of Public Health | 02-12-2024 | Global Health Beyond Borders | Dr.Deepa Iyengar: Vice Chair of the Department of Family and Community Medicine at UT Houston McGovern Medical School |
| 4 | Respiratory Medicine | 19-03-2025 | Thromboxane and thromboxane receptor signaling at the crossroads of pulmonary disease, cardiovascular disease and cancer | Dr. Ajay Gupta, MBBS, MD., President & CSO, Charak Laboratories India Pvt. Ltd, Clinical Professor |
| 5 | Respiratory Medicine | 23-03-2025 | Chronotherapy of Asthma | Dr.P.K.Vedanthan, MD., DABP(USA), DABAI(USA) Professor, University of Colorado |






| | | | | |
|---|----------------------|------------|--------------------------------------|--|
| 6 | Respiratory Medicine | 27-03-2025 | Basics of Interventional Pulmonology | Dr. Shivalingaswamy Salimath, Interventional Pulmonologist, Bengaluru |
|---|----------------------|------------|--------------------------------------|--|




FACULTY DEVELOPMENT PROGRAMME [FDP] ATTENDED BY FACULTY

| Sl. No. | Name & Designation | Title of the programme | Date, Name of the Institution & Place | Certificate & Photo |
|---------|---|--|--|---|
| 1 | Dr. Poonam D N. Assistant Professor | One Health | January– April 2025- 12 week course NPTEL – AICTE SWAYAM Online course co-ordinated by ICMR - RMRCBB, Department of Health Research & IIT Madras. |  |
| 2 | Dr. Ranjitha Shankaregowda Associate Professor | Certificate course in Antimicrobial stewardship | 24-2-2025 to 28-2-2025, online |  |
| 3 | Dr. Ranjitha Shankaregowda Associate Professor | National certification in infection prevention & control | CAHO online certification February 2025 |  |
| 4 | Dr. Vidyavathi B Chitharagi, Associate professor | National certification in infection prevention and Control - Certificate course in Infection Control practice (CICP) | CAHO, New Delhi |  |

| | | | | |
|---|--|---|--|---|
| 5 | Dr. Sowmya G S | National certification in infection prevention and control | 14-02-2025 CAHO Certification course on Infection control and prevention |  |
| 6 | Dr M N Sumana Professor | Antibiotic stewardship an online non-credit course authorised by Stanford University and offered through Coursera | 27th May 2025 |  |
| 7 | Dr Shweta N Kurkuri Senior Resident | NGP-DST Winter School on Geospatial Sciences & Technologies (Level-1) | NGP, DST, GOI 27th November to 17th December |  |
| 8 | Dr Amoghashree Assistant Professor | Endocrine Disruptors and Reproductive Health (short course) | Conducted by CCDC, CHART, TSB, Ashoka University & Harvard T.H. Chan School of Public Health organized at JSS Medical College, JSS AHER March 3-7, 2025 |  |

| | | | | |
|----|--------------------------------|--|--|---|
| 9 | Dr Rashmi S Senior Resident | Endocrine Disruptors and Reproductive Health (short course) | Conducted by CCDC, CHART, TSB, Ashoka University & Harvard T.H. Chan School of Public Health organized at JSS Medical College, JSS AHER March 3-7, 2025 |  |
| 10 | Dr Anil S Bilimale | Attended the Yoga Utsava Mysore | Offline 12.12.2024 |  |
| 11 | Dr Anil S Bilimale | Delivered a session on How to live healthier and longer amidst climate change in the National Seminar on Environmental challenges and resilience strategies by University of Mysore | Offline 23.12.2024 |  |
| 12 | Dr Anil S Bilimale | Stakeholder's Workshop" as a part of a research project titled: "Developing and implementing a life skills and study skills intervention model utilizing mentoring as an approach for students within BBMP & | 11.03.2025 NIMHANS, Bengaluru |  |

| | | | | |
|----|--------------------|---|----------------------|---|
| | | Government schools | | |
| 13 | Dr Anil S Bilimale | ICMR- Dengi Project Co I Training and Deagent | 08/05/2025 |  |
| 14 | Dr Minu Maria Rose | Completed WHO course on AMR | Online 27.12.2024 |  |
| 15 | Dr Minu Maria Rose | Attended webinar- Public Policy in Climate-driven Antimicrobial Resistance (AMR) in India | 20.03.2025 Online |  |
| 16 | Ms Sheeba B | Attended Dr. George Kuchel on Education in Healthy Longevity Medicine Longevity Education Hub Webinar | Online 11.12.2024 |  |
| 17 | Ms Sheeba B | Webinar: Advancing Smokeless Tobacco Control and Protecting Youth from Industry Interference | 23/05/2025 |  |

| | | | | |
|----|---|--|--|---|
| 18 | Dr. Sowmya K, Associate Professor | Short course on Endocrine Disruptors and Reproductive Health | March 3 - 7, 2025, JSS Academy of Higher Education and Research, Mysore, Karnataka |  |
| 19 | Dr. Soumya Rajshekar Patil Assistant Professor | short course on Endocrine Disruptors and Reproductive Health | March 3 - 7, 2025, JSS Academy of Higher Education and Research, Mysore, Karnataka |  |
| 20 | Dr. Meghana H S, Assistant Professor | short course on Endocrine Disruptors and Reproductive Health | March 3 - 7, 2025, JSS Academy of Higher Education and Research, Mysore, Karnataka |  |