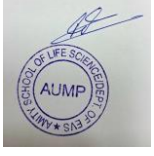
- **Does your institution provide dedicated training on Environment aspects of Sustainability for staff members (faculty and professional staff members)? Please insert link to training/evidence description:**
- **Events**
- **Decarbonization in building sector India's Path to Energy Efficiency: Innovations, Challenges, and Opportunities for a Sustainable Future**

Name of Event/Activity:	Decarbonization in building sector India's Path to Energy Efficiency: Innovations, Challenges, and Opportunities for a Sustainable Future
Date:	23rd Dec 2024
Venue:	LT 407, C-Block, ASAP, AUMP
Mode of Conduct (Offline/Online/Hybrid):	Offline/Hybrid
Organized By:	Amity of School of Architecture & Planning
Co-ordinator:	Ar. Manish Kumar Chitranshi, Ar. Aditya Bhattacharya & All ASAP Faculty
Type of Activity (Seminar/ Webinar/ Workshop/ Conference/ Extension/Hackathon/Competition/ Outreach Program):	Seminar/Workshop
Level of the Activity (College/ Intercollegiate/ State/ National/ International):	College
Whether it is sponsored (Yes/ No):	No
If Yes, then Sponsor Name and Details:	Nil
Resource Person Details:	Ar. Pavan Kumar Peetala (Asst. Professor, ASAP) · Ar. Aditya Anand (Asst. Professor, ASAP)



- Brief Report of the Activity:
- (i) Introduction:
- The Amity School of Architecture & Planning was honoured to host a distinguished Workshop titled:
- ” Decarbonization in building sector India's Path to Energy Efficiency: Innovations, Challenges, and Opportunities for a Sustainable Future “
- The "Decarbonisation in Building Industry" event was organized to address the pressing need for sustainable practices in the construction sector. With the building industry being a significant contributor to global carbon emissions, the event focused on exploring innovative strategies and technologies to reduce the environmental footprint of construction activities. The event brought together students of architecture, interior design, and planning, fostering a platform for learning and dialogue about green building practices, sustainable materials, and energy-efficient design solutions. Expert speakers from academia and industry shared insights on topics such as carbon-neutral construction methods, life-cycle assessments, and policy frameworks for decarbonization.
- The event also highlighted how architects and designers can play a pivotal role in creating a sustainable future by integrating low-carbon solutions into their projects. Interactive sessions encouraged participants to think critically about the environmental impact of design decisions. By aligning with global sustainability goals, this initiative aimed to inspire the next generation of professionals to adopt innovative and responsible practices in their fields.
- (ii) Aims/Objective(s):
- The primary aim of the event was to create awareness about the importance of decarbonization in the building industry among students.
- Objectives:
- · To educate attendees about sustainable building materials and technologies.
- · To discuss strategies for reducing carbon emissions in design and construction.
- · To inspire actionable change in professional practices for a greener future.
- (iii) No of Faculty Participants: 07 Faculty Members from ASAP attended this lecture.
- (iv) No of Student Participants: 54 Students from ASAP attended this lecture.
- (v) Highlights of the Event/Activity: Expert Speakers: Insights from Mr. Aditya Anand and Ar. Pavan Kumar Peetala, shared his experienced in Decarbonisation in Building Industry:
- · Keynote speeches from leading industry experts.
- · Interactive workshops on sustainable design strategies.
- · Case studies showcasing successful low-carbon building projects.
- · Panel discussions on integrating sustainability into academic curricula.
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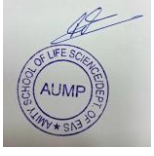
- (vi) Outcome(s): The event successfully increased awareness among students about the role of decarbonization in achieving sustainable development. Attendees left with a



deeper understanding of sustainable materials, technologies, and design practices. The event encouraged participants to incorporate sustainability into their academic projects and future professional endeavors, fostering a commitment to reducing the environmental impact of the building industry.

- (vii) Recording Link (YouTube/Zoom/MS Team): Since this event was held in Physical mode, only still photographs were taken for this program, which have been attached below. Also, in the absence of a proper videographer, videography was not possible at the venue.

International Workshop on Current Scenario, Future Perspective And Challenges Technological Advancements In Renewable Energy: (IWTARE 2024)

Department of Environmental Science, Amity School of Life Sciences, Amity University Madhya Pradesh (AUMP), Gwalior (MP) organized an International Workshop on Technological Advancements in Renewable Energy: Current Scenario, Future Perspective and Challenges **(IWTARE 2024)** in Online Mode.

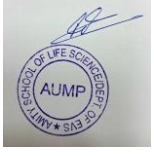
The Inaugural ceremony was started by taking the blessings of Maa Saraswati with the Lighting of Lamp and Saraswati Vandana. The inaugural ceremony was streamed in Zoom platform for online participants. **Opening Remarks addressed by Lt. Gen. V. K. Sharma, AVSM (Retd.),** Hon'ble Pro-Chancellor, Amity University Madhya Pradesh, Gwalior. Lt general V. K. Sharma put lights on all type of renewable energy like solar wind. He spoke about the potential of electric vehicle in India, the potentially of the wind energy in India. During the Inaugural session Prof. (Dr.) Anil Vashisht Officiating Vice Chancellor, Amity University Madhya Pradesh and Prof. (Dr.) M. P. Kaushik, Pro Vice Chancellor (R) & Dean Research, were also present.

The Guest of Honour, Dr Deepak Kharre, Head of Projects Blue Pine Energy, Gurugram, Haryana,

address the issues like climate change, renewable energy and how India is fitted globally as per energy scenario. He focused on energy scenario of India specially forecast on solar and wind energy. He also mentioned about 5 nectar elements like panchamrit to deal with climate change. He also discussed about the challenges for project development in the sector of renewable energy.

The Chief Guest, Dr. Nitin Labhasetwar, Chief Scientist & Head Energy & Resource Management Division, CSIR-NEERI and Professor AcSIR, highlighted the issues like cleaner energy and sustainability challenges and opportunities, sustainable development global greenhouse gas emission by different sectors. Discuss about 80 challenges solar map photo voltage sale H2 generation, efficient utilisation of noble metals and Nano approach biomass conversion and agriculture engines, black carbon, cooking alternatives.

The Keynote Speaker, Ms. Ipshita Nandi Banerjee, Communications and Engendering Lead, United States Energy Association (USEA), USAID's Energy Utility Partnership Program & U.S. Department of State's Women Energy Leaders Program, she focused on the energy-efficient system of India which Bhutan adopts. She also focused on renewable energy in Tanzania and how Tanzania's energy scenario is presently working. She also mentioned Tata Power's national grid control of India. She emphasized women's entrepreneurship in the renewable energy sector, mud-stop cooking smokeless stoves, and a scheme for the government of India for investment.



The **Inaugural session** was concluded by Prof. (Dr.) Kuldip Dwivedi, Head ASLS/ Dept. of EVS, Dy. Dean (Academics) AUMP, Convener IWTARE 2024 given his concluding remarks on this international workshop mentioned the importance of this training session and gave positive takeaways for the professionals, students, scholars, and faculty members.

Lastly, a vote of thanks was given by Vote of Thanks by Dr. Rwitabrata Mallick, Associate Professor EVS, Organizing Secretary IWTARE 2024. More than 300 participants have participated in the workshop.

Total 05 technical sessions on Technological Advancements in Renewable Energy were organized including Inaugural session and Valedictory session from March 18-22, 2024. All participants and students showed enthusiasm in taking part in various sessions. This has helped in broadening the horizons of students and participants with respect to the the current perspectives of renewable technology and has provided a platform to technocrats, experts and academicians for presenting their innovative and constructive ideas at international level.

The technical Session 1 started at 2:00-4:00 pm chaired by **Prof. (Dr.) Vinay Dwivedi**, Director, Amity Institute of Biotechnology, Amity University Madhya Pradesh.

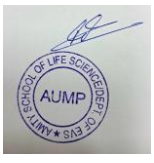
In this session **Invited Lecture** given by **Dr. Mi Tian**, Senior Lecturer in Low Carbon Engineering, University of Exeter, UK & Member of the Global Sustainability Initiative (GSI) community talked about hydrogen storage in detail.

Plenary Lecture was given by **Dr. Rishi Sharma**, Principal Scientist, Semiconductors Sensors, and Microsystems Group, CSIR-CEERI, Pilani on the Development of TiN material and its applications. Both the Lectures were very informative.

Technical Session 2 of International Workshop on Technological Advancements in Renewable Energy: Current Scenario, Future Perspective and Challenges held on 19th March 2024 (Tuesday). This session was chaired by Prof. (Dr.) Brajendra Shukla, Head, Department of Biotechnology Engineering, Bundelkhand University. Session was Co-Chaired by Dr. Rwitabrata Mallick Associate Professor, Department of Environmental Science, Amity School of Life Science, Amity University Madhya Pradesh, Gwalior Rapporteur was Dr. Nidhi Shukla Assistant Professor, Department of Environmental Science, Amity School of Life Science, Amity University Madhya Pradesh, Gwalior Amity University Madhya Pradesh.

The **first invited speaker** of technical Session 2 was **Dr. Abhay Kumar Pandey** Professor Department of Biochemistry, University of Allahabad. Prayagraj. He gave the lecture on "Redox homeostasis and its regulation by natural products". He elaborates the beneficial role of free radicals, tissue damage by radicals and role of free radicals in gene expression.

Another invited lecture of technical Session 2 by **Prof. Santi Pada Gon Chaudhuri**, Visiting Professor, IIEST, Shibpur, Chairman, Energy Expert Committee, Govt. of India. He explains about the renewable energy status of India, special thrust on solar, wind, bio and hydro energy. He explains global scenario of technological advancement and about various conferences, summit based on various renewable energy sources and their applications. He also expresses



his views on present status of solar power, hydro power and wind power in India and their projections. He also talked about the bioenergy mission by Gov OF India and emphasis on Green Hydrogen Mission. Lastly, he talks about atmospheric water generation in remote areas.

Technical Session 3 of International Workshop on Technological Advancements in Renewable Energy: Current Scenario, Future Perspective and Challenges held on 20th March 2024, 1400-1700 Hrs. (Wednesday). This session was chaired by Prof. (Dr.) Vikas Srivastava, Coordinator, Amity Institute of Biotechnology, Amity University Madhya Pradesh. This Session was Co-Chaired by Dr. Nidhi Shukla, Assistant Professor II, Department of Environmental Science, Amity School of Life, Amity University Madhya Pradesh, Gwalior and the Rapporteur was Dr. Deep Chakraborty Assistant Professor I, Department of Environmental Science, Amity School of Life Science, Amity University Madhya Pradesh, Gwalior.

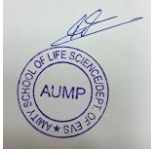
The **First Invited Lecture** of 3rd technical session was at 1400-1500 Hrs. given by **Prof. S. Balachandran**, Associate Professor, Department of Environmental Science, Visva Bharati University, Santi Niketan, West Bengal. Professor Balachandran spoke about traditional energy fuels, socio economic problem and health related issues related to traditional fuels, he focused on the cow dung and related energy and uses as fertilizer, if focused on different program by government of India on renewable energy specially on biogas energy. He also spoke about the various like technical and institutional for using renewable energy specially biogas and you also suggested policy recommendation.

Another **Invited Lecture** of 3rd technical session at 1500-1600 Hrs. given by **Dr. Dhirendra Chaudhary**, Head, Centre for Renewable Energy, VBS Purvanchal University Jaunpur, UP. Dr Dhirendra Kumar Choudhary spoken about photo voltaic cell, inorganic and organic photo voltage devices different types of nanna composite, semi-transparent solar cell devices, perovskite materials and solar cells synthesized and characterizations. He also discussed about his latest inventions on photo voltaic devices

Last Invited Lecture of 3rd technical session at 1600-1700 Hrs of this session given by **Dr. Abhishek Kumar Mishra**, Associate Professor, Department of Physics, UPES, Dehradun Dr. Abhishek Kumar Mishra spoke about carbon capture utilisation and storage different types of catalyst development and challenges.

Technical Session 4 of International Workshop on Technological Advancements in Renewable Energy: Current Scenario, Future Perspective and Challenges held on 21st March 2024, 1400-1700 Hrs. (Thursday). This session was **chaired by Dr. Sandeep Arya**, Institute of Environment and Development Studies, Bundelkhand University, Jhansi, Uttar Pradesh.

This Session was Co-Chaired by Dr. Deep Chakraborty, Assistant Professor, Department of Environmental Science, Amity School of Life Science, Amity University Madhya Pradesh, Gwalior and the Rapporteur was Dr. Abhishek Kumar Bhardwaj, Assistant Professor I, Department of Environmental Science, Amity School of Life Science, Amity University Madhya Pradesh, Gwalior.



First Invited Lecture at 1400-1500 Hrs given by **Dr. Srinivasan Natarajan**, Industrial Hygiene coordinator, TEKFEN Construction and Installation co., Rass Laffan Industrial City, Al Khor, Qatar. He talked about Renewable Energy resources: Current trend and future plan of Gulf Cooperation Council (GCC).

Prof. Neelam Pathak, Head of Department Biochemistry, Ram Manohar Lohia Avadh University, Faizabad gave the next Invited Lecture at 1500-1600 Hrs. She explained about food waste and potential fruit waste and its byproducts used as a feed-stocks for biodiesel production. She also discussed about sustainable production of pharmacological, nutraceutical and bioactive resources.

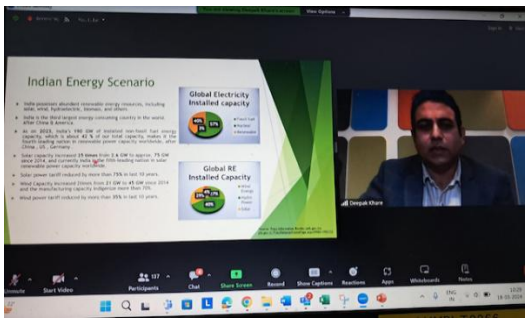
Last Invited Lecture at 1600-1700 Hrs. was given by **Dr. Harendra Tomar**, Business Lead, Sungrow Power Ltd. Gurugram. He discussed the current trend in renewable energy resources.

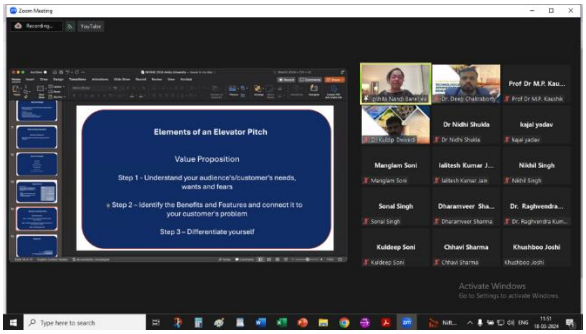
Technical session 5, invited lecture was given by by Prof. Anchal Srivastava, on Basics of Transmission Electron Microscopy and its applications.

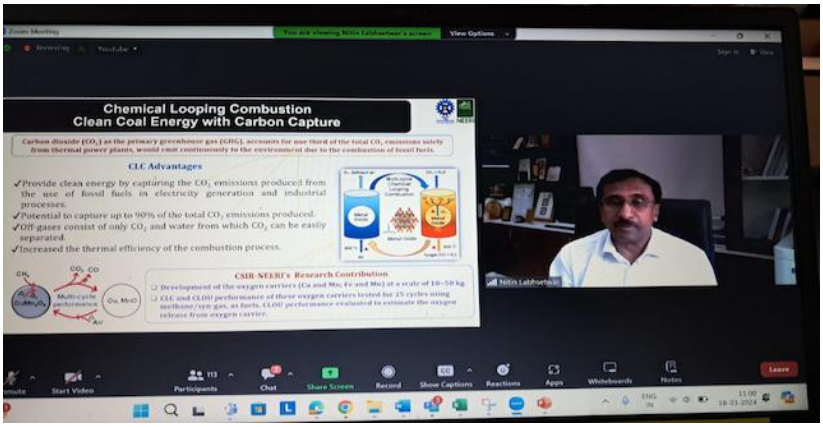
Valedictory Session was Address by **Guest of Honour, Prof. (Dr.) Sandeep Poddar**, on potentiality of renewable energy in present day scenarios.

Concluding Remarks was given by Prof. (Dr.) Kuldip Dwivedi, Head ASLS/ Dept. of Environmental Science, Dy. Dean (Academics) AUMP, Convener IWTARE 2024. After that feedback was given by participants and lastly Vote of Thanks was given by **Dr. Rwitabrata Mallick**, Associate Professor, Environmental Science, Organizing Secretary IWTARE 2024.

There were 15 invited lectures during the five days by experts from various academic and industrial arenas of national and international repute. All the lecture topics were up to date and needed the hours. Faculty, scholars and students interacted with experts and many fruitful discussions came out of the events.







One Week Faculty Development Programme on Innovative Approaches in Environmental Research and Sustainability Organized By **Department of Environmental Science, Amity School of Life Sciences, Amity University Madhya Pradesh, Gwalior**

General Information:

Date of Event: 01-07 August 2024

Venue: Online Platform (MS- Teams)

Organized by: Department of Environmental Science, Centre of Excellence for Biodiversity & Environmental Conservation, Amity University Madhya Pradesh

Total Participation: 210

Convener: Prof. (Dr.) Kuldip Dwivedi

Coordinator: Dr. Rwitabrata Mallick

Organizing Committee: Prof. (Dr.) Swapnil Rai, Dr. Nidhi Shukla, Dr. Abhishek Kumar Bhardwaj, and Dr. Deep Chakraborty

1) **What was the Inspiration behind taking up this Particular Subject for the Webinar?**

- The growing environmental crises, such as climate change, pollution, and resource depletion, require innovative and sustainable solutions. Addressing these issues demands that educators and researchers stay at the forefront of emerging technologies and methodologies.
- Environmental research and sustainability intersect various scientific disciplines, including biology, chemistry, engineering, and social sciences. The subject

encourages a holistic approach to solving environmental problems, fostering collaboration across fields.

- With the rapid development of new technologies like nanotechnology, biotechnology, and artificial intelligence, there is immense potential to revolutionize environmental research. The FDP aims to equip faculty members with the latest tools and techniques to drive innovation in this critical area.
- Sustainability is a global priority, but its implementation requires local adaptation. The FDP provides a platform to explore innovative approaches that can be applied both globally and in local contexts, particularly in regions like Madhya Pradesh, where environmental concerns are pressing.

2) **Who were the Distinguished Guest Speakers Invited for the Event. Kindly give their Names. Designations, Organisation, Qualifications, Area of Expertise and any Honours and Awards received by them.**

1. Prof. (Dr.) M K Gupta, Head, SOS, Botany, Jiwaji University, Gwalior. Madhya Pradesh
Specialization: Agriculture Botany, Nanotechnology

2. Dr. Shivom Singh, Member, State Level Expert Appraisal Committee, Directorate of Environment, Uttar Pradesh and Associate Professor, Department of Environmental Science, ITM University, Gwalior. Madhya Pradesh
Specialization: Environmental Science**,** Biodiversity

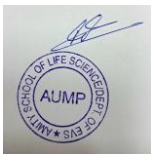
3. Dr. Dhiraj Sinha, Visiting Senior Researcher, UT Southwestern Medical Center, University of Texas, Dallas, Texas, USA
Specialization: Biomedical Science

4. Prof. Atul Tiwari, Principal, SVD Institute of Education, Awaghar, Etah, UP
Specialization: Environmental Sustainability, Plant Pathology

5. Dr. Prem Prakash Singh, In-charge, Biophysics & Bioinformatics, Ewing Christian College, University of Allahabad, Prayagraj, UP India
Specialization: Green sensing for sustainable system, Biosensors

6. **Dr. Sandeep Arya,** Assistant Professor, Institute of Environment and Development Studies, Bundelkhand University, Jhansi, UP, India
Specialization: Environmental Pollution, Ecosystem studies

7. Dr. Hemanth Noothalapati PhD, Department of Life Sciences, Faculty of Life and Environmental Sciences, Shimane University, Matsue-Shi, Shimane, Japan
Specialization: Biomedical applications of Raman spectroscopy



8. Dr. Vijay Tripathi, Assistant Professor and Assistant Director Research, Department of Molecular and Cellular Engineering, Sam Higginbottom University of Agriculture Technology and Sciences, Prayagraj
Specialization: Environmental antibiotic resistance

9. Dr. Raghvendra Raman Mishra, Assistant Professor, Medical Lab Technology, Banaras Hindu University, Varanasi
Specialization: Environmental toxicology

10. Prof. (Dr.) Rajiv Dutta, Fellow of the Royal Society of Biology, London, UK Fellow of the American Academy of Science & Technology, Reston, USA
Specialization: Nanoparticles for bioremediation of heavy metal polluted water

3) What was the Criteria Considered for inviting the Various Individual Guests, Internal as well as External?

- Relevant qualifications, experience, and expertise as per the different theme areas of the FDP

4) **Were the guests in advance and if yes, from what previous interaction? Were the guests Recommended by someone. If yes, who?**

- Yes, the Guest speakers were contacted 2-3 months in advance and their confirmation taken. The guests are all close collaborators of the faculty of the department of environmental science.

5) Who all attended the webinar? Also, if possible, give the numbers.

- 210 participants included research scholars, faculties and scientists from different research institutes, universities of the country.

6) **What were the 'Take Homes' for the Guests and the Attendees in the form of knowledge, facts, information etc.? Please give the Salient Novel Points Covered by the Guest Speakers, in Bullet Points Format.**

- The programme began with opening remarks by Prof. (Dr.) Kuldip Dwivedi, Head EVS & Dy. Dean (Academics), Amity University Madhya Pradesh.
- **Prof. (Dr.) M K Gupta** has given lecture on Emerging Technologies and Innovations: Pioneering Agricultural Sustainability
- **Dr. Shivom Singh** discussed about the emerging Innovative Approaches for Sustainable Agriculture.
- **Dr. Dhiraj Sinha** on Mechanistic insights the drug resistance in oncogenic proteins. He emphasis on natural medicinal compounds, and synthetic molecules for chemoprevention, drug resistance, major causes of lung cancer, selective inhibitors.

- **Prof. Atul Tiwari** gave his lecture on steps towards environmental sustainability and he talked about the issues related to energy resource, agro-ecological methodologies, degradation of ecosystems, forest industry waste.

- **Dr. Prem Prakash Singh** on Green sensing for sustainable system. He explained about nanofabrication lab, clinical lab and lab-on-chip; food spoilage analysis, fabrication of fixed-fixed micro beam.

- **Dr. Sandeep Arya,** delivered his lecture on "Environmental Research and Sustainability". He elaborated research aspects in environmental science, concept of basic and applied research, the process of research, herbal medicine, significance of medicinal plants.

- **Dr. Hemanth Noothalapati** on Biomedical applications of Raman spectroscopy. He talked about in developing non-invasive diagnostics and applying machine learning techniques to hyperspectral data analysis. He advocated principles of Raman Spectroscopy, yeast cell wall architecture, space-resolved raman spectra of fission yeast vegetative cell & spore, comparison of raman spectra, univariate analysis, future of raman endoscopy.

- **Vijay Tripathi** on antibiotic resistance in the environment. He explained about microbial sources of antibiotics, modes of antimicrobial action, mechanisms of antibiotic resistance, solid waste management and microbial application.

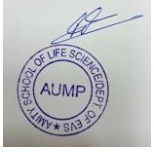
- **Prof. Dr. Rajiv Dutta** nanoparticles for bioremediation of heavy metal polluted water and improvement of microbial fuel cells efficiency through the application of nanotechnology.

- **Dr Raghvendra Raman Mishra** explained about discovery of bacteriophages against ESKAPE group of nosocomial pathogens from Natural environmental resources: Evaluation from Ganga River water during community bath at various rituals since 2013–2023.
- Concluding remarks has been given by Prof. (Dr.) Swapnil Rai, Associate Dean (Research) & Professor, EVS

- Vote of thanks proposed by Dr. Rwitabrata Mallick, Coordinator of the FDP.

7) Has the Webinar been able to generate any Tangible Gains for the Faculty, Researchers and Students of Amity. If yes, what are these?

- There were 10 invited lectures during the five days by experts from various academic arenas of national and international repute. All the lecture topics were up to date and need of the hours. Faculty, scholars interacted with experts and many fruitful discussions came out of the events.
- Amity University Madhya Pradesh is now being recognized as research driven University. This FDP would prove to be a milestone in furthering our endeavor for more sustained research in frontier areas of Innovative Approaches in Environmental Research and Sustainability and its impacts on the environment, social, and economic



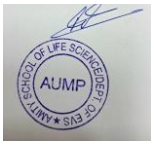
sustainability.

- The FDP was successful and was well advertised on social media, websites, blogs and on messenger apps among the various Universities, Institutes, Departments and Colleges of National and International repute. This has helped in the brand building of AUMP.
- The event was covered by newspapers like Nababharat and Swadesh. This has increased the visibility of AUMP and is likely to result in enhanced admissions in the forthcoming session.
- Total 05 days sessions on Innovative Approaches in Environmental Research and Sustainability were organized including Inaugural session and Valedictory session. All participants showed enthusiasm in taking part in various sessions. This has helped in broadening the horizons of participants with respect to the the current knowledge and has provided a platform to technocrats, experts and academicians for presenting their innovative and constructive ideas at international level.

8) **What are the 'Progressive Outcomes /Way Forward' planned, based on the event of the webinar? Please give them pointwise, with timelines and names of the persons responsible for their execution.**

The "Progressive Outcomes/Way Forward" for the Faculty Development Program (FDP) entitled "Innovative Approaches in Environmental Research and Sustainability" could include several key areas of focus, based on the event's objectives and outcomes. These might include:

1. **Implementation of Innovative Research Techniques:**
    - Encouraging faculty to adopt and integrate innovative research methodologies and technologies discussed during the FDP into their ongoing and future research projects.
    - Facilitating collaboration among departments to implement interdisciplinary approaches in environmental research.
2. **Curriculum Enhancement:**
    - Revising and updating the existing curriculum to incorporate the latest trends, technologies, and approaches in environmental research and sustainability.
    - Developing new courses or modules that emphasize innovative and sustainable practices in environmental science.
3. **Collaboration and Networking:**
    - Strengthening collaborations between academia, industry, and government agencies to foster practical applications of research in environmental sustainability.



4. **Community Engagement and Awareness:**
    - Designing outreach programs to engage the community and create awareness about sustainability and environmental issues.
    - Encouraging students and faculty to participate in community-based projects that address local environmental challenges.
5. **Monitoring and Evaluation:**
    - Setting up feedback systems to assess the impact of FDP learnings on teaching, research, and community engagement activities.
6. **Publication and Dissemination:**
    - Encouraging the publication of research findings in high-impact journals and presenting them at national and international conferences.
    - Creating platforms for the dissemination of knowledge gained during the FDP to a broader audience, including through webinars, seminars, and public talks.

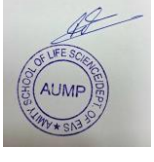
These outcomes and forward-looking strategies aim to ensure that the FDP leads to tangible improvements in both the academic and practical aspects of environmental research and sustainability.

9) Have we Followed-Up with the Guests to consider Various Collaborations such as Joint Research Papers and Publications; Joint Funded Projects; Student Internships and Placements; Participation in National/ International Seminars/ Conferences, /Workshops; Student/Faculty Exchange Programmes; Post Doctorate tie ups; etc. etc.

- Eminent Guests/speakers may be approached as Co-Supervisor of scholars for Ph.D. programmes.
- Eminent speakers may be approached as Co-PI for research projects of national and international funding agencies.
- Eminent speakers may be nominated as external member/domain expert in various departmental committees, if consented by them

10) What are the plans for utilizing the contacts developed with the Invited Guests, for future cooperation to meet the targets of 'Mission: Connect' and 'Mission: Synergy of Brains'? Please give a roadmap with timelines.

- A strong relationship can be built with the premier research organizations like Shimane University, Japan, University of Texas, USA, Sam Higginbottom University of Agriculture Technology and Sciences, Bundelkhand University, Jiwaji University, ITM University, BHU, Shimane University, Matsue-Shi, Shimane, Japan, UT Southwestern Medical Center, University of Texas etc.

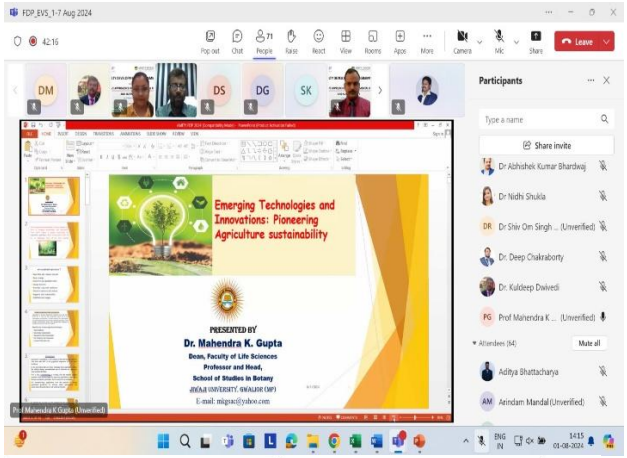


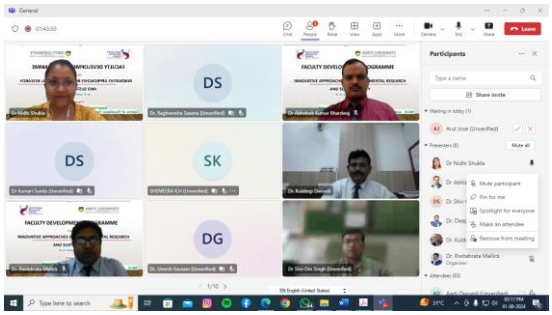
- Relationships with the eminent speakers/guests to be sustained so that collaborative funded projects can be formulated and MOUs for funded projects can be signed.

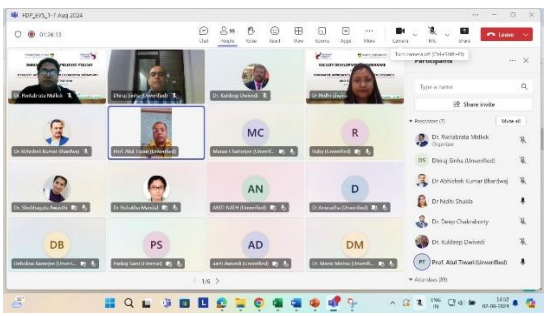
11) Financial information

- Total participants registration fee = **INR 18800/-**
- Total expenditure for flyer, information brochure and certificate designing = Nil (No expenditure incurred as flyer, information Brochure and certificates were designed by the departmental faculties)
- Total financial saving out of the online workshop = **INR 18800/-** (Deposited as registration fees to the account of AUMP)

Participants and speakers at the 7-day Faculty Development Program







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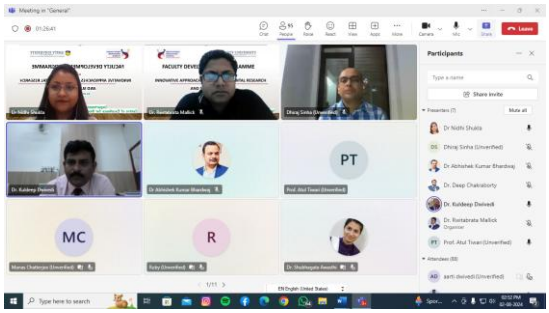
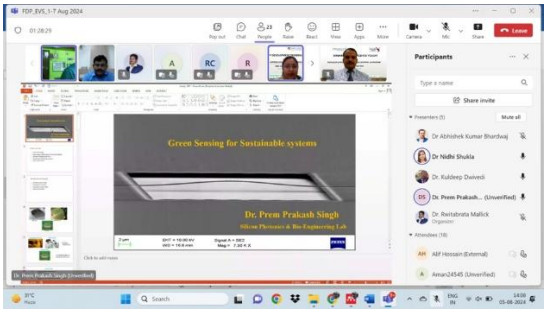
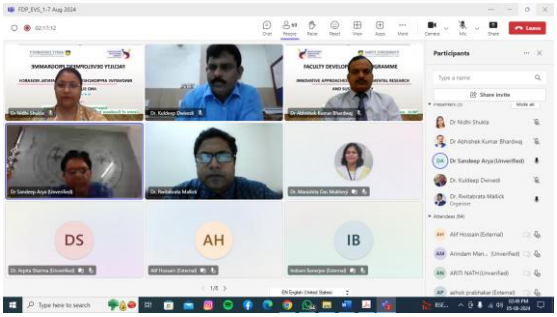
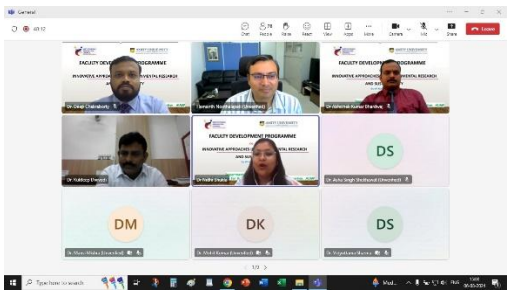
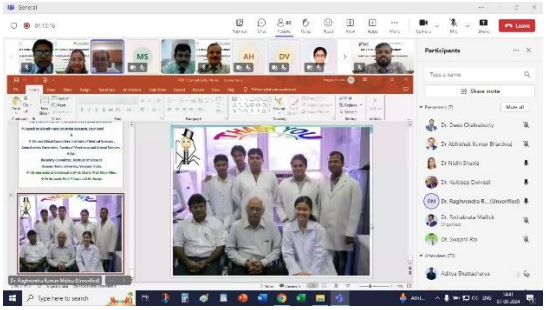


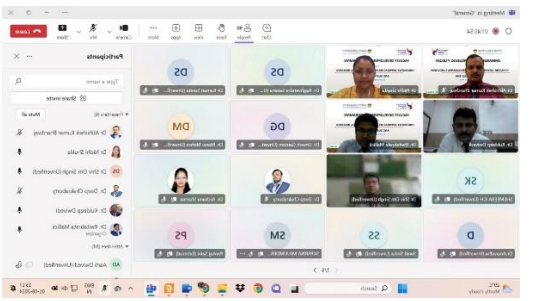

Green Sensing for Sustainable systems
Dr. Prem Prakash Singh

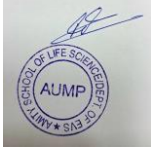

FDP Program: "FDP Program: "Innovative Approaches in Environmental Research and Sustainability" " organized by Amity University, Gwalior, M.P.
Antibiotic Resistance in the Environment
Dr. Vijay Tripathi
Assistant Professor
Department of Molecular and Cellular Engineering,
Sam Higginbottom University of Agriculture Technology and Sciences,
Prayagraj







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