



AMITY UNIVERSITY

UTTAR PRADESH

5th International Conference on Entrepreneurship, Innovation and Leadership (ICEIL 2024)

SYMPOSIUM

on

"Resilient Innovations, Smart Technologies for Climate Action and Sustainability"

10th October 2024

Session Report by Rapporteurs

Session Topic: **Resilient Innovations, Smart Technologies for Climate Action and Sustainability**

Date: 10th October 2024

Time: 10:30am-5:00pm

Session Moderator(s) / Session In-charge: Dr Renu Dhupper

Session Coordinator: Dr Harshita Jain & Dr Manish Kumar

Session Chair: Prof. (Dr.) D K Bandyopadhyay & Prof. (Dr.) Chanderdeep Tandon

List of Esteemed Panel Speakers:

1. Dr. Jagvir Singh, Advisor & Scientist G, Ministry of Earth Sciences
2. Mr. Rajkumar, Founder & CEO, Deshwal Waste Management Pvt. Ltd.
3. Mr. RG Agarwal, Founder Chairman, Dhanuka Agritech Ltd.
4. Mr. Shailendra Singh, CEO, SustainMantra
5. Mr. Ramesh Kumar, VP, Dharampal Satyapal Ltd.
6. Mr. Ashu Kalra, VP, EXL
7. Mr. Akif Farooqui, TERI



Speaker wise discussion points (as per program flow):

Speaker Name	Discussion Points
Dr. Jagvir Singh, Advisor & Scientist G, Ministry of Earth Sciences (MoES)	<ul style="list-style-type: none"> - MoES Mission Mausam overview - Role of High-Performance Computing (HPC) in improving weather and climate forecasts - HPC's role in air pollution prediction
Mr. Rajkumar, Founder & CEO, Deshwal Waste Management Pvt. Ltd.	<ul style="list-style-type: none"> - Overview of Deshwal Waste Management Pvt. Ltd. - E-waste management strategies and solutions
Mr. RG Agarwal, Founder Chairman, Dhanuka Agritech Ltd.	<ul style="list-style-type: none"> - Impact of climate change on crop yield - Disruption of cropping patterns - Prevalence of new exotic pests - Global crop losses due to climate change
Mr. Shailendra Singh, CEO, SustainMantra	<ul style="list-style-type: none"> - Global climate action landscape - Importance of human ingenuity in addressing climate challenges
Mr. Ramesh Kumar, VP, Dharampal Satyapal Ltd.	<ul style="list-style-type: none"> - Role of human ingenuity in climate action - Key strategies for sustainable adaptation to climate challenges
Mr. Ashu Kalra, VP, EXL	<ul style="list-style-type: none"> - Sustainable urban planning and design principles - Importance of sustainability in modern urban infrastructure
Mr. Akif Farooqui, TERI	<ul style="list-style-type: none"> - Renewable Energy Technologies (RET) - Adaptation strategies through renewable energy solutions

Photographs: 5 – 6 Photographs to be attached



Inauguration (Lightening of Lamp and Saraswati Vandana)



Welcome and Introduction to Theme by Dr. Renu Dhupper, Assistant Director, AIES, Amity University



Address by Prof. (Dr.) D K Bandyopadhyay, Mentor AIES, Chief Advisor (FPO); Chairman (Amity Law Schools)



Address by Prof. (Dr.) Balvinder Shukla, Vice Chancellor, Amity University Uttar Pradesh



Address by Dr. Jagvir Singh Scientist G, Ministry of Earth Sciences



Address by Mr. Rajkumar Founder & CEO, Deshwal Waste Management Pvt Ltd



Address by Guest of Honor
Mr. RG Agarwal
Founder Chairman, Dhanuka Agritech Ltd



Address by Prof. (Dr.) Chanderdeep Tandon, Addl. Pro VC & Dean Faculty of Biosciences and Biotechnology, followed by Mr. Shailendra Singh, Founder & CEO of SustainMantra, speaking on "Climate Resilience and Adaptation Strategies"; Mr. Ramesh Kumar, Associate Vice President at Dharampal Satyapal Ltd., addressing "Global Warming and Renewable Energy Solutions"; Mr. Ashu Kalra, VP and Head of Global Corporate Real Estate and Environment Sustainability at EXL, discussing "Sustainable Urban Planning and Design"; and Mr. Akif Farooqui, Manager at TERI, presenting on "Circular Economy and Waste Management, Biodiversity Conservation, Policy and Governance for Climate Action."

Transcript of the session by Rapporteur:

10:30-10:40 AM: The session commenced with Dr. Harshita Jain, Assistant Professor at the Amity Institute of Environmental Sciences (AIES), serving as the Master of Ceremonies. She welcomed all attendees warmly and set the tone for the event, introducing the theme and objectives of the session. The inauguration began with a traditional lighting of the lamp, accompanied by the Saraswati Vandana, a prayer that symbolizes the pursuit of knowledge and wisdom.

10:40-10:50 AM: Following the inauguration, Dr. Renu Dhupper, Assistant Director at AIES, delivered the welcome address. She emphasized the importance of the themes being discussed, highlighting their relevance in addressing contemporary environmental challenges and the need for collaborative efforts in research and policy-making. Dr. Dhupper's introduction set the framework for the session, engaging the audience and encouraging active participation.

10:50-11:00 AM: Next, Prof. (Dr.) D. K. Bandyopadhyay, Mentor of AIES and Chief Advisor (FPO), took the stage. He shared insightful perspectives on the significance of interdisciplinary approaches in tackling environmental issues, urging stakeholders to embrace innovative solutions. His address provided a solid foundation for the discussions to follow, inspiring attendees to think critically about their roles in environmental stewardship.

11:00-11:10 AM: Prof. (Dr.) Balvinder Shukla, Vice Chancellor of Amity University Uttar Pradesh, addressed the audience next. In her speech, she underscored the role of academic institutions in fostering research and education related to environmental sustainability. Prof. Shukla emphasized

the university's commitment to integrating sustainability into its curriculum and research initiatives, reinforcing the theme of collaboration and responsibility among academic, governmental, and corporate sectors.

11:10-11:40 AM: The first guest of honor, Dr. Jagvir Singh, Scientist G from the Ministry of Earth Sciences, delivered a compelling address. He discussed the Ministry's initiatives and innovations in the field of weather forecasting and climate research, highlighting how high-performance computing (HPC) is utilized to improve climate predictions and air quality assessments. Dr. Singh's insights provided valuable context regarding the scientific foundations of climate action and the necessity for data-driven decision-making.

11:40 AM-12:10 PM: Mr. Rajkumar, Founder & CEO of Deshwal Waste Management Pvt. Ltd., followed with his address, focusing on the critical issue of waste management. He shared his experiences in establishing effective waste management systems and emphasized the importance of sustainable practices in reducing environmental impact. Mr. Rajkumar's address provided practical examples of how businesses can contribute to sustainability efforts.

12:10-12:40 PM: Continuing the session, Mr. R.G. Agarwal, Founder Chairman of Dhanuka Agritech Ltd., spoke about the challenges posed by climate change on agriculture. He detailed how changing climatic conditions disrupt crop yields and patterns, leading to the emergence of new pests and disease threats. His insights on global crop losses due to climate change underscored the urgent need for innovative agricultural practices and technologies to ensure food security.

12:40-1:00 PM: The session then transitioned to a felicitation segment, where speakers and special guests were honored for their contributions. Dr. Anamika delivered a heartfelt vote of thanks, expressing gratitude to all the speakers for their invaluable insights and to the audience for their active participation.

1:00-2:00 PM: After a refreshing lunch break, Prof. (Dr.) Chanderdeep Tandon, Addl. Pro VC & Dean of the Faculty of Biosciences and Biotechnology, chaired the afternoon session. He welcomed the attendees back and provided an overview of the importance of the upcoming discussions.

2:00-2:10 PM: Mr. Shailendra Singh, Founder & CEO of SustainMantra, took the stage next. His address centered on "Climate Resilience and Adaptation Strategies." He discussed innovative approaches to enhance climate resilience, emphasizing the role of human ingenuity in overcoming climate-related challenges. Mr. Singh's engaging presentation set a proactive tone for the afternoon discussions.

2:10-2:40 PM: Following Mr. Singh, Mr. Ramesh Kumar, Associate Vice President of Facilities & Administration at Dharampal Satyapal Ltd., addressed the theme of "Addressing Global Warming and Renewable Energy Solutions." He shared practical insights into implementing renewable energy

solutions within corporate structures and highlighted the significant impact of such initiatives on reducing carbon footprints.

2:40-3:10 PM: Next, Mr. Ashu Kalra, Vice President and Head of Global Corporate Real Estate and Environment Sustainability at EXL, presented on "Sustainable Urban Planning and Design." He focused on the importance of integrating sustainability into urban development and shared successful case studies that exemplified effective sustainable design principles.

3:10-3:40 PM: The final guest speaker, Mr. Akif Farooqui from The Energy and Resources Institute, addressed the interconnected themes of "Circular Economy and Waste Management, Biodiversity Conservation, Policy and Governance for Climate Action." He discussed the need for comprehensive policies that support a circular economy and the importance of collaborative governance in achieving climate action goals.

3:40-4:10 PM: The session concluded with a felicitation segment where speakers were recognized for their contributions and expertise in their respective fields, fostering a sense of appreciation among the attendees.

4:10-4:20 PM: Dr. Richa delivered a thoughtful vote of thanks, acknowledging the speakers for their impactful addresses and expressing gratitude to the audience for their engagement throughout the event.

4:20-4:30 PM: Participants then enjoyed Hi-Tea and networking opportunities, providing a platform for attendees to connect, share ideas, and discuss the themes presented during the session. This informal setting encouraged further dialogue on collaboration and action towards environmental sustainability.

The Report has been improved by the Session Coordinator with the inputs from the Session Moderator

Report Prepared by (Name, Designation, Institution)-

- 1. Dr. Harshita Jain, Assistant Professor, AIES**
- 2. Dr. Manish Kumar, Assistant Professor, AIES.**

Report Approved by HOI (Name): Dr. Renu Dhupper

Report Submission: 15/10/2024