

# *Terra Matters Bulletin*

## *(April-June) Vol. II of 2024*



**Prof. Suman Kumar Dhar,**  
**Vice Chancellor**  
**Chief Patron**

### **Editorial Board:**

**Col. B Venkat, Registrar**  
**Mr Kamal Sharma**  
**Dr Parul Behl**  
**Dr Kavita**  
**Dr Amit Kaur**  
**Ms Sonika Goyal**  
**Ms Betty Mark**  
**Ms Nishtha Kaushik**

### **Message from the Editor's desk**

*Greetings !!*

*As we approach the end of semester for this academic year, we present to you another edition of Terra Matters. This newsletter serves as a testament to the remarkable achievements of our students, faculty and other staff members, reflecting our collective commitment to academic excellence and personal growth.*


*The content of this newsletter reflects groundbreaking research of the faculty members to students' accomplishments and impactful initiatives of the university. Moreover, through cultural events, sports competitions, and student spotlights, other diverse experiences are captured. These experiences offer a glimpse of the contributions of the entire TERI-SAS community.*

*The editorial board extends heartfelt gratitude to all those who have contributed in terms of their time, expertise, and creativity to make this newsletter possible. This dedication has enriched the quality and depth of this edition of the newsletter. It is hoped that this newsletter serves as a source of inspiration and pride for the entire TERI-SAS community.*

*Thank you for your continued support and enthusiasm. We look forward to sharing more stories of excellence in the editions to come.*

*Jai Hind*

### **FOR MORE INFORMATION:**

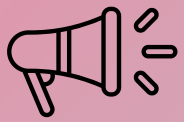
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 [registrar@terisas.ac.in](mailto:registrar@terisas.ac.in)

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 The Registrar,

TERI SAS, Plot No. 10, Institutional Area, Vasant Kunj, New Delhi - 110 070, India.



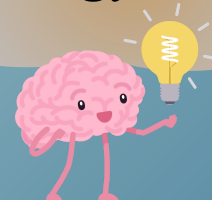
# EVENTS AT TERI SAS

Final year students of B.Sc. Zoology from Deshbandhu College, New Delhi, along with faculty members Prof. Kamal Gupta and Dr. Kiran Bala visited the Department of Biotechnology, TERI School of Advanced Studies, New Delhi on April 10, 2024. The session started with introductory remarks by Col. B. Venkat, Registrar, TERI SAS. This was followed by key address by Prof. Suman Kumar Dhar, Vice-Chancellor, TERI SAS. The session was further addressed by Prof. Chander Kumar Singh, Dean Academic. A detailed and interactive session on academic programs, R & D activities of DBT-TERI SAS and career avenues for students of biotechnology was presented by DBT-TERI SAS faculty members and research scholars. The session culminated with a visit to the biotechnology laboratories assisted by the researchers of the department.



On April 09, 2024 The Eco Club organised "Earth" photography competition to capture the essence of 'New Life in Summer'. Congratulations to Ashutosh Mukherjee for capturing the essence of 'New Life in Summer' in the Earth Photography Competition. Ashutosh's winning shot: 'Within the tapestry of summer's embrace, A crimson beetle finds its place, New life whispers secrets of grace.'

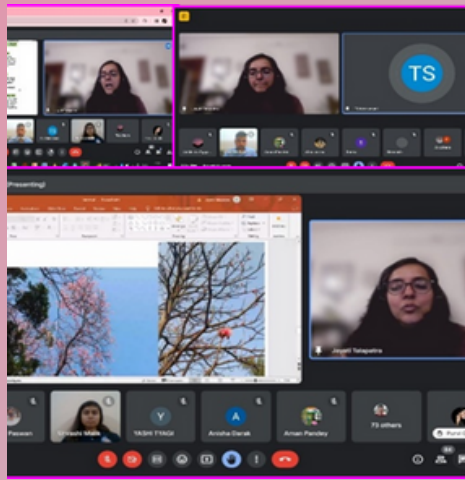
I'm not lazy..  
I'm energy efficient !!



On April 19, 2024, the Department of Economics organized a seminar by Dr Arpita Ghosh, from Economics department, University of Exeter Business School. She delivered a very insightful talk on "Do Homebuyers Value Energy Efficiency? Evidence from an Information Shock (with Brendon McConnell and Jaime Millán-Quijano)". The students and faculty members gained valuable insights from the talk focusing about the dynamics of energy efficiency and its role in shaping a housing unit.







The launch event of the website of Vanmaali, a project dedicated to protecting, promoting, and supporting indigenous species was held on April 18, 2024. The Vice Chancellor and the Registrar graced the occasion of the launch of the website. Along with the esteemed convener, Dr Moumita Acharyya, the plantation of indigenous species took place to mark this significant occasion. Through this effort, the aim is to reignite the nostalgic connection that people share with these species and provide a flourishing environment for our local fauna and their old companions in the future.

In a commendable display of environmental responsibility, The Eco Club joined forces with Zero Waste India to organize the "Care Clean" cleanup drive on April 28, 2024. This initiative targeted Delhi Cantt, and through the collective efforts of volunteers, the area undoubtedly saw a significant improvement in cleanliness.



In a triumphant victory for our planet, On Earth Day, The Eco Club organised "Among Us: Plastic Waste Edition" and it was a resounding success! Inspired by the popular game, this interactive activity transformed participants into eco-warriors on a mission. Throughout the day, vigilant crewmate scoured the area, keeping a keen eye out for plastic imposters – those sneaky plastic bottles, bags, and wrappers attempting to disrupt our beautiful environment. Armed with recycling awareness, they successfully disposed of a huge amount of plastic waste! By working together, they not only eliminated these plastic imposters but also made a significant contribution to a cleaner, healthier planet. The Eco Club extends its gratitude to all the enthusiastic crewmates who participated. Remember, every piece of plastic collected makes a difference.



A 1-day training programme on 'New and Innovative Solar Applications' was organized on May 02, 2024, covering - Agri PV, Floating PV & BIPV (supported by GIZ & EY) by the Dept of Sustainable Engineering. The interactive sessions enabled the participants to gain valuable knowledge and insights about the modern technologies.



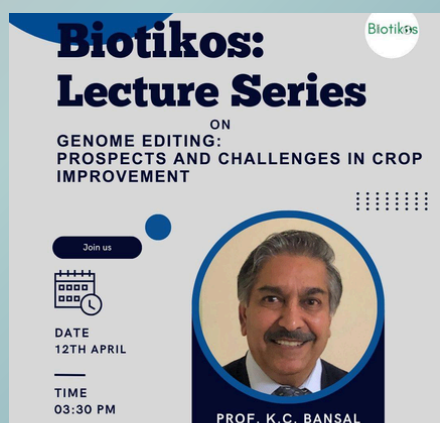
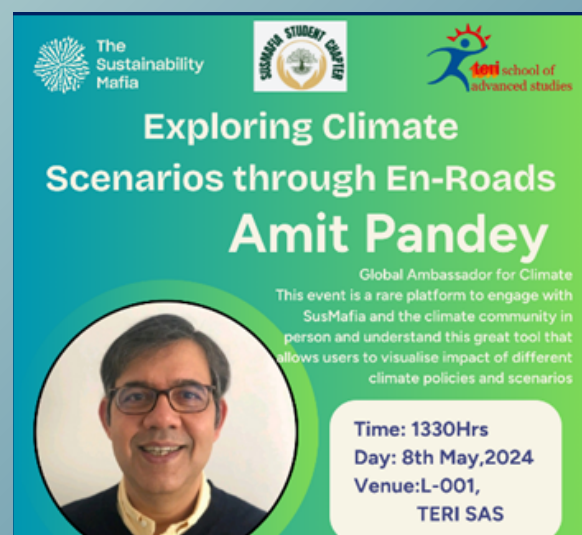


Dr Shailesh Nayak, Chancellor, TERI SAS visited and interacted with the teaching, non-teaching staff and students of TERI SAS on May 03, 2024. Respected Chancellor was felicitated on receiving the prestigious Padmashree Award of Honour. The students and faculty members got an opportunity to interact with the Chancellor.



TERI School of Advanced Studies, New Delhi in association with Indo-American Chamber of Commerce, North India Council organized a "Round Table on ESG Investing - Navigating the Path to Sustainable Returns" on May 07, 2024. Mr. Aaron Schubert (Director, Indo Pacific Office, USAID/India) was the Guest of Honour and Mr Bhupinder Singh Bhalla (IAS) [Secretary, MNRE, GoI] was the Chief Guest. The interactive sessions enabled the participants to gain valuable knowledge and insights about ESG and Sustainability.

The SusMafia TERI SAS hosted a session on Exploring Climate Scenarios through En-Roads by Mr Amit Pandey on May 08, 2024. The session delved into the complexities of climate change, exploring its impact on our environment, societies, and economies. The esteemed speaker offered insights into the current state of affairs, discuss potential solutions, and inspire action towards a sustainable future. The session offered valuable knowledge to the students about climate scenario in the present context and the road ahead.



Organised by the Department of biotechnology, TERI-SAS, Prof. KC Bansal, Former Director of NBPGR, New Delhi delivered his insights on 'Genome Editing: Prospects and Challenges in Crop Improvement'. What lies ahead as genome editing drives agricultural innovations and next generation solutions?





The Dept of Natural and Applied Sciences conducted a session on "Geopolitics of Climate Change Negotiations" on May 08, 2024 by Ambassador Manjeev Singh Puri, former Indian Foreign Service (IFS) officer, Ambassador of India to the European Union, and Deputy Permanent Representative of India to the United Nations. The interactive sessions enabled the participants to gain valuable knowledge and insights about climate change negotiations.

Representatives of New India Assurance (Insurance provider) visited TERI SAS campus on May 08, 2024 to brief on the policy, benefits and procedures to be followed.



On May 15, 2024 Maj Gen (Dr) G D Bakshi, Honorary Distinguished Visiting Professor, delivered a very thought provoking talk on "Tapovans: Creating Forests of Meditation- The Miyawaki Way". The session highlighted the climate change happenings in the present scenario, where is the future heading towards, need for planting forests as a measure to combat climate change following the Japanese way of creating large forests very fast. He shared very vivid real life examples and experiences from his journey in the army.

An expert talk was organized on Indian Carbon Market covering working of carbon markets, preferred technologies, voluntary/compliance models, price discovery mechanism, Sec-6 of Paris Agreement, options for India, way forward for PAT & REC by the Department of Sustainable Engineering on May 10, 2024. Mr Jatin Kapoor, Head - Climate Transactions, Emergent Ventures was the distinguished speaker. It was a very intriguing session to gain an understanding about the carbon markets and its future.





A webinar on the topic “Mercury in Environment: Global Impacts and Mitigation” was delivered by Dr Mukesh Kumar, Postdoctoral Researcher, Swedish University of Agricultural Sciences, Umeå, Sweden on May 13, 2024. Dr Mukesh, whose research focuses on the redox transformation of Mercury in contaminated estuarine sediments, shared some interesting and valuable insights on how Mercury as a contaminant has impacted various environmental systems and why its mitigation remains a global challenge.



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**SPECIAL SESSION**  
Mercury in Environment : Global Impacts and Mitigation

Speaker



**Dr. Mukesh Kumar**  
Postdoctoral Researcher,  
Department of Forest Ecology  
and Management,  
Swedish University of Agricultural  
Sciences, Umeå, Sweden

Moderator



**Dr. Amit Singh**  
Assistant Professor &  
Programme Coordinator,  
MSc Environmental Studies and  
Resource Management

**CAREER COUNSELLING SESSION**  
How to Establish a Legal Career as a First-Generation Lawyer

Speaker



**Mr. Saurabh Chaudhary**

Moderator



**Dr Manini Syali,**

A career counselling session for first-generation law graduates was conducted by the Centre for Postgraduate Legal Studies - TERI SAS on May 18, 2024. Mr Saurabh Chaudhary, managing partner of CNM Associates, was invited to be the speaker for the session. He guided the students and invitees regarding resolving the challenges first-generation lawyers face in setting up their law practice.

A lecture titled "Dynamics of Spatiotemporal Passive Microwave Remote Sensing based Soil Moisture" by Dr Anudeep Sure was organized at TERI SAS under the GeoWebinar Series 2024 on May 24, 2024. The webinar aimed to discuss the latest technologies and algorithms used to analyze and interpret remote sensing data for accurate soil moisture estimation and its implications for environmental monitoring and resource management.



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**GEOWEBINAR SERIES 2024**  
Dynamics of Spatiotemporal Passive Microwave Remote Sensing based Soil Moisture

Speaker



**Dr. Anudeep Sure**  
PhD, IIT Kanpur  
Associate Director, Analytics  
& Modelling at Moody's RMS

Moderator



**Dr. Ayushi Vijhar**  
Assistant Professor &  
Programme Coordinator  
MSc Geoinformatics

**GEOWEBINAR SERIES 2024**  
Geoinformatics Tentacles: Journeying in Endless Opportunities

Speaker



**Mr. Ojo Duke Patrick**  
Alumni, MSc Geoinformatics  
PhD Scholar, IIT Bombay - Monash  
Research Academy

Moderator



**Dr. Ayushi Vijhani**  
Assistant Professor &  
Programme Coordinator,  
MSc Geoinformatics

A special talk titled "Geoinformatics Tentacles: Journeying in Endless Opportunities" by Mr Ojo Patrick, an esteemed alumni of our MSc Geoinformatics Programme, was organized at TERI SAS under the GeoWebinar Series 2024 on May 27, 2024. The webinar aimed to showcase the vast potential and applications of geoinformatics in various fields.

The Department of Sustainable Engineering, TERI SAS and the South Asian Institute for Advanced Research and Development (SAIARD) organised an online lecture on "Climate Change and Cities: Challenges Ahead" on June 14, 2024.

**CLIMATE CHANGE AND CITIES:  
Challenges Ahead**



**Mr. Biswajit Roy Chowdhury**  
Chairperson, SAIARD  
Speaker



**Dr. Shaleen Singhal**  
Professor, TERI SAS  
Speaker



**Dr. Amit Kaur**  
Assistant Professor, TERI SAS  
Speaker and Moderator

'LEADERS IN ENVIRONMENT AND SUSTAINABILITY EDUCATION'

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**SPECIAL LECTURE & WORKSHOP**  
Internal Quality Assurance Cell (IQAC), TERI SAS

## Fostering Personal Sustainability through Inner Harmony & Self-Realization



**Speaker:**  
**Dr. Rajiv Kumar**  
Former Vice Chairman, NITI Aayog  
Chairman, Giri Institute of Development Studies  
Chairman, Pahle India Foundation

**Friday 24 May 2024**  
3.00 - 5.00 PM

**Venue: L001 (Ground Floor)**  
**TERI SAS Campus,**  
**Vasant Kunj, New Delhi**

TERI SAS organized a special lecture cum workshop on "Fostering Personal Sustainability through Inner Harmony & Self-Realization" for its Students, teaching and non-teaching Staff on May 24, 2024, at TERI SAS Campus. Dr Rajiv Kumar, former Vice Chairperson, NITI Aayog delivered the talk and enriched the participants with his experience along with other resource persons.

The Department of Sustainable Engineering, TERI SAS organised a webinar on "Bamboo the wonder grass, a versatile building material" by Mr Jatish Kumar Bag, Chief Coordinator Shri Rawatpura Sarkar University, Raipur on Tuesday May 28, 2024 from 3 to 4 pm. The webinar dealt in details about the versatility Bamboo and its critical characteristics as an eco-friendly construction material.

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### SPECIAL SESSION

#### Bamboo the wonder grass, a versatile building material

**Speaker**  
  
**Mr. Jatish Kumar Bag**  
Chief Coordinator  
Shri Rawatpura Sarkar University,  
Raipur

**Moderator**  
  
**Dr. Amit Kaur**  
Assistant Professor,  
TERI SAS

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### SPECIAL SESSION

#### Climate Smart Agriculture and its Role in Building Agricultural Sustainability and Food Security

**SPEAKER**  
  
**PROF. WANGLIN MA**  
PROF. OF APPLIED ECONOMICS,  
LINCOLN UNIVERSITY, NEW ZEALAND

**MODERATOR**  
  
**DR. PRITHA DATTA**  
ASSISTANT PROFESSOR,  
TERI SAS

**MAY 15, 2024** **2-3 PM** **MODE: ONLINE**

Dr Pritha Datta from the Department of Policy and Management Studies moderated a webinar where Prof. Wanglin Ma, Lincoln University, New Zealand, was invited to deliver an online lecture on the topic "Climate Smart Agriculture and its Role in Building Agricultural Sustainability and Food Security" on May 15, 2024". The talk was invaluable to the audience and made a significant contribution to the ongoing discourse on sustainable agricultural practices.

The webinar was conducted to discuss career opportunities after M.Sc. in Economics. The speakers: Ms Manvi Gupta, an associate consultant in climate change and sustainability services at Ernst and Young LLP and Mr Arpit Beniwal, an analyst of carbon markets at cKinetics. Both are alumni of MSc (Economics) programme TERI SAS.

**Webinar**  
**CAREER PROSPECTS AFTER TERI SAS**

  
**MANVI GUPTA**  
Associate Consultant,  
Climate Change and Sustainability Services,  
Ernst & Young LLP

  
**ARPIT BENIWAL**  
Analyst,  
cKinetics

**Webinar Series on**  
**PUBLIC POLICIES FOR SUSTAINABILITY**  
Organized by :  
MA-Public Policy & Sustainable Development Programme  
Department of Policy & Management Studies  
Internal Quality Assurance Cell (IQAC), TERI SAS

### How can we solve the Global Polycrisis together ?

#### Building Communities for Change



**Speaker:**  
**Prof. Shannon B. Olsson**  
Founder & Global Director,

**Saturday, 18 May 2024**  
3 - 4 PM

A talk on "How can we solve the Global Polycrisis together? Building Communities for Change" by Prof. Shannon B Olsson, Founder & Global Director, Echo Network, under the Webinar Series on "Public Policies for Sustainability" organised by MA (Public Policy & Sustainable Development) Programme, Department of Policy & Management Studies on May 18, 2024.



The Department of Natural and Applied Sciences organized a series of webinar from May 22, 2024. In the first webinar series, the department invited an educationist and environmentalist Dr Abhay Kumar, Assistant Professor, NCERT, who spoke on a topic “A Scientist Perspective on Environmental Education”. Dr Kumar emphasized on the key issue of environmental education in India and highlighted the approaches of NCERT to make an aware society.

He talked briefly about PM eVidya program which is telecast through DTH TV channels under one class, one channel initiative of the Government of India in 2020. On the success of this program, Government of India announced launch of 200 more such PM eVidya DTH TV channels for school education.

**Environmental Studies Webinar Series 2024**



**SPEAKER**  
**Dr. Abhay Kumar**  
 Assistant Professor  
 CIET, NCERT, New Delhi

**TOPIC:**  
**Environmental Education in India**

 **Wednesday**  
 May 22, 2024

 **3:00 PM – 04:00 PM**

**Mode : Online**

**Moderator:**  
 Dr. Chandrashekhar Azad Vishwakarma  
 Assistant Professor  
 TERI SAS


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**URBAN ENVIRONMENT ISSUES IN INDIA**  
 GUEST LECTURE SERIES

**SESSION I**  
 WASTE MANAGEMENT

  
**Dr. Suneel Pandey**  
 Director, Circular Economy and Waste Management, TERI

**SESSION II**  
 AIR POLLUTION IN CITIES

  
**Dr. Anju Goel**  
 Associate Director, Air Quality Research, TERI

**May 20, 2024**  
 11 am to 1 pm  
 2 pm - 4 pm  
 Mode : In Person  
 TERI SAS campus, New Delhi

**Facilitated and Moderated By:**  
**Dr. Kavita**

TERI SAS organized two special sessions under the theme, "Urban Environment Issues in India" for Law and Public Policy Students at TERI SAS Campus. The two eminent Speakers were Dr Suneel Pandey, Director, Circular Economy and Waste Management, TERI and Dr Anju Goel, Associate Director, Air Quality Research, TERI. The sessions were facilitated and moderated by Dr Kavita, Assistant Professor (Law), TERI SAS.

Placement Cell of Shyam Lal College (Evening), University of Delhi, invited Dr Ranjana Ray Chaudhuri for a skill-enhancing event on “Career prospects in environment and sustainability”


**SHYAM LAL COLLEGE (EVE)**  
 UNIVERSITY OF DELHI  
**PLACEMENT CELL**  
 PRESENTS  
 AN ONLINE LECTURE

**TOPIC :**  
 CAREER PROSPECTS IN ENVIRONMENT AND SUSTAINABILITY



**REGISTER NOW**

  
**DR. RANJANA RAY CHAUDHURI**

**“GENETICALLY ENGINEERED VACCINES AND THERAPEUTIC ANTIBODIES AGAINST ANTHRAX”**

**JOIN US**

  
**PROF. RAKESH BHATNAGAR**

**24/MAY/2024**  
 3:00PM TO 4:30PM



Scan to Join the Meeting

Prof. Rakesh Bhatnagar, National Science Chair, School of Biotechnology, JNU delivered his insights on ‘Genetically engineered vaccines and therapeutic antibodies against anthrax’. What lies ahead as genetic engineering accelerates into the field of vaccine production and the voluminous applications of therapeutic antibodies to cure diseases like Anthrax?





SPEAKER

Dr. Vibhor Kant

TOPIC:

Fuzzy Modeling for Data Recommendation



Friday  
May 17, 2024



02.00 PM onwards

Mode : Online

With the growing amount of data in the digital space, cybersecurity has become an important concern for all. With the awareness and knowledge of threats, one can protect files and systems from various digital attacks. The speaker shared valuable knowledge on the cutting-edge technology for handling critical data and security aspects associated with it.

Dr Pritha Datta and Dr Swarup Dutta moderated a webinar featuring Dr Dil Bahadur Rahut, Vice Chair of Research at the Asian Development Bank Institute (ADBI), who gave a talk on "Career Prospects for Development Practitioners" on May 16, 2024. This lecture was part of the Sustainability Lecture series for the Masters in Sustainable Development Practice (MA SDP) programme and also part of the programme's outreach activities.

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**SPECIAL SESSION**  
Career Prospects for the Development Practitioners

**Speaker**  
**Dr. Dil B. Rahut**  
Vice-Chair of Research and Senior Research Fellow, Asian Development Bank Institute (ADBI), Japan

**Moderators**  
**Dr. Swarup Dutta & Dr. Pritha Datta**

**CENTRE FOR POST GRADUATE LEGAL STUDIES**  
CORDIALLY INVITES YOU TO A  
**CAREER COUNSELLING SESSION (ONLINE)**  
ON  
Career Counseling Session: Policy, Planning and Research

**DR. RENU**  
FORMER CONSULTANT,  
POLICY PLANNING AND  
RESEARCH DIVISION  
(PP&R)  
MINISTRY OF EXTERNAL  
AFFAIRS, GOVERNMENT OF  
INDIA, NEW DELHI  
&  
PH.D., JAWAHARLAL  
NEHRU UNIVERSITY, NEW  
DELHI

Dr Renu shared her work experience at Ministry of External Affairs (MEA) as a consultant with the students. She explained the criteria and application procedure for joining MEA and other Government Organizations as a consultant. She answered the questions of the students. It was a useful session for the students.

The Centre for Post Graduate Legal Studies, New Delhi, organized a panel discussion on "Climate Change Judgment: Unpacking the Future". The panel featured Dr Anant Vijay Maria, Advocate-on-Record at the Supreme Court of India, and Dr Jasper George, Assistant Professor at NLU, Delhi. The discussion was moderated by Dr Kavita, Assistant Professor. The event took place in a hybrid mode on April 26, 2024 at the TERI SAS campus.



Dr Anjali Makhija, Trustee and CEO of SM Sehgal Foundation, shared her invaluable insights with the students of MA (SDP) at TERI School of Advanced Studies. With over 30 years of experience in the development sector, Dr Makhija's expertise in agriculture and water management empowers rural communities, aiding them in breaking the cycle of poverty. During her interaction, she emphasized the importance of technological advancements in driving impactful change in the development sector.



Special Session

# CLIMATE FINANCE


DATE  
17 May, 2024


TIME  
3:30pm-5:00pm

Venue - Conference Hall



**Himangka Kaushik**  
Associate at  
**India Climate Collaborative**

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Centre for Post Graduate Legal Studies invites you for

## GUEST LECTURE

**Harmonizing Circular Economy Principles with International Climate Change Law: Towards Sustainable Global Governance**

**Speaker**



**Ms Chhaya Bharadwaj**  
Alexander Van Humboldt ICP Fellow '24 |  
Germany,  
PhD Candidate | Dublin City University,  
Ireland

**Moderator**



**Dr. Kavita**  
Assistant Professor  
TERI SAS

Mode: Online

The Centre for Post Graduate Legal Studies organized a special online lecture on the topic "Harmonizing Circular Economy Principles with International Climate Change Law: Towards Sustainable Global Governance". The lecture was delivered by Ms Chhaya Bharadwaj, Alexander von Humboldt ICP Fellow '24, Germany and moderated by Dr Kavita, Assistant Professor at TERI SAS on May 02, 2024.

Prof G Venkatesh, an expert in industrial ecology, sustainable development, energy systems, urban water systems delivered an insightful talk on life cycle analysis. He emphasized on the natural resources use and waste generated through life cycle analysis of the supply chain analysis. Social component is included in life cycle analysis in recent studies as socioeconomic analysis is important for sustainable development.

Our MA (SDP) 2014-2016 batch alumnus Ms Kanika Joshi, talked about the career prospects in the domain of 'Sustainability, Gender and Development'. Ms Kanika leads the Impact Discipline at the Open Data Institute (ODI), London. She emphasized the importance of Sustainability in today's world and highlighted the need for developing the cadre of sustainability professionals.







# FACULTY CORNER



Dr Kavita, Assistant Professor from the Department of Policy and Management Studies was invited on All India Radio, Akashvani as a Resource Person on the talk show titled Kaanuni Salah on the subject of 'Widow Rights under the Indian Law'. The programme was broadcast on June 6, 2024. She discussed about the existing relevant legal provisions in India for the protection of Rights of Widows regarding inheritance of prope.

Dr Manini Syali, Assistant Professor from the Department of Policy and Management Studies has contributed towards the following academic and research activities:

- She delivered a lightning talk at the United Nations/Costa Rica/PSIPW - Sixth Conference on the Use of Space Technology for Water Management, held from May 7-10, 2024. Her presentation focused on the correlative rights doctrine, exploring its potential implications for equitable and sustainable water resource management using space technology."
- She presented a paper titled 'Integrating Eco-Feminism and Indigenous Perspectives in Intellectual Property Law: Towards an Equitable Framework in India' at the Ninth International Workshop of Daughters of Themis: International Network for Women Business Scholars on the theme 'Feminism and Business in Theory and Practice'. She also got the opportunity to chair a session on Labour Rights and Feminist Theory. The event was held under the aegis of the Faculty of Law, University of Oslo, in Kea (Tzia), Greece, from June 3-8, 2024.



Prof. Sukanya Das, Dean (Research & Partnerships) from the Department of Policy and Management Studies has participated in the Deep Drive workshop on Gender Inclusive Clean Energy Solutions at the 19th Asian Clean Energy Forum (ACEF) 2024 in Manila. The workshop delved into the crucial link between gender, energy, and the environment, marking a pivotal moment in advancing social equity and green initiatives. Through this dialogue, sustainability challenges were addressed in the region.

TERI SAS congratulates Dr Sanyyam Khurana, Assistant Professor from the Department of Policy and Management Studies for being awarded the Harsh Malhotra Prize 2023-24, for his paper titled, "Unraveling of value rankings in auctions with resale" published in review of Economic Design (2024).







TERI SAS congratulates Prof. Naqui Anwer, Head, Department of Sustainable Engineering for grant of patent on his invention entitled “A novel ZSource modified cascaded H-Bridge solar photovoltaic multilevel inverter”.



TERI SAS congratulates Dr Adwitiya Sinha, Associate Professor from the Department of Natural and Applied Sciences for grant of patent on her invention entitled “Automated retractable writing instrument”.



Dr Anand Madhukar, Assistant Professor from the Department of Natural and Applied Sciences was invited by ICIMOD to deliver a talk at its headquarters in Kathmandu on the Application of AI on Enhancing Energy Supply Reliability and Advancing Productive Use of Renewable Energy (PURE) in Agriculture in the Hindu Kush Himalaya (HKH) Region!

Dr Sapan Thapar, Associate Professor, Department of Sustainable Engineering delivered a talk at the Haryana Institute of Public Administration on April 25, 2024, focusing on energy efficiency and renewable energy. This was a week-long training course titled “Integrated Energy Management. Over 20 senior officials of the Haryana Government from Renewable Energy, HVPN, HSVP, HPGC and Irrigation Department participated in the programme.



Dr Chaithanya Madhurantakam from the Department of Biotechnology has the following publication from the R&D work performed in Structural and Molecular Biology Laboratory, DBT, TERI SAS

- "Chaudhary B, Sisodia R, Sarmadhikari D, Mazumdar PA, Asthana S, Madhurantakam C. In silico analysis and characterization of potential inhibitors of MmaA3, a methoxy mycolic acid synthase from Mycobacterium tuberculosis. J Biomol Struct Dyn. 2024 May 10:1-26. doi: 10.1080/07391102.2024.2349545. Epub ahead of print. PMID: 38726567."



Dr Gopal Sarangi, Head, Department of Policy and Management Studies gave a talk on Climate Change and Carbon Emission in India at DD URDU ‘Yeh hai India’ held on April 27, 2024.





Dr Pritha Datta from the Department of Policy and Management Studies has published the following article in the journal and a policy brief in the ADBI Policy Brief series:

- Das, U, Datta, P and Behera, B, 2024. Identification of Major Threats of Climate Change, Hazards, and Anthropogenic Activities on Biodiversity Conservation in the Buxa Tiger Reserve, India. Environmental Management, pp.1 - 18.
- Datta, P, Behera, B, Rahut, D, and Sonobe, T, 2024. Addressing the Impact of Climate Change on Women Farmers' Health in South Asia.
- She was also invited to deliver a talk on the climate change impacts on farmers' health in the 'Asia and the Pacific Food Security Forum' by the Asian Development Bank (ADB) and Asian Development Bank Institute (ADBI), at ADB headquarters, Manila, Philippines (April, 2024).



Dr Ranjana Ray Chaudhuri, Head, Regional Water Studies & Department of Natural and Applied Sciences gave a talk on Rising GHG emissions and Climate Action - Need for Conservation Lens at the Department of Environmental Sciences at Vivekananda College, Kolkata.

A research paper on “Role of Stakeholders in Sustainable Management of an Urban Waterbody and Wetland”, was published in Environment and Urbanization ASIA, 2024 which features the thoughts of Ritu Rao, Prof. Arun Kansal and Dr Fawzia Tarannum.  
Link : <https://doi.org/10.1177/09754253241236850>



## TERI SAS bids farewell to

Dr Subhasree Sarkar  
Assistant Professor  
(Department of Policy and Management Studies)



## TERI SAS welcomes

Dr Souren Paul  
Ramanujan Fellow  
(Department of Biotechnology)





# STUDENTS' CORNER



On February 21, 2024, the TERI School of Advanced Studies (TERI SAS) proudly launched SATVA, the Sustainable Fashion Club founded by students, in a grand event inaugurated by the Registrar and Vice-Chancellor. This milestone marks a significant step towards fostering sustainable practices within the fashion industry among the academic community.

SATVA - The Fashion Society Team comprising of Pooja Choudhary, Tanishka Mishra, Bipashna Sharma, Kuldeep Kumar, Krishna Kiran, Dikshant Pant, Arifeen Khan, Dhruv, Anushka, Isha Kalra, Prachi Mahale and Abhishek, students of MBA and MA SDP, TERI SAS secured First position at Envouge, the Sustainable Fashion Show hosted by Bhoomi the Eco Club of Kirori Mal College at Delhi University. The team conveyed the message of Sustainability through their act depicting the transition from Fast fashion to Sustainable fashion, which is true to the ideology of TERI SAS.



TERI SAS Team Neervana, comprising of students Ms Brahamtej Kaur Grewal and Ms Jahanavi Varma (M.Sc. Biotechnology - 1st Year) and Mr Souryadeep Basak (Research Scholar, Department of Sustainable Engineering) bagged the 2nd National Runners-up Award at the Indian Oil Sustain-a-thon, a national level sustainability hackathon that had upward of 30,000 entries. The TERI SAS team presented the novel Azonian

Process of Carbon capture, developed indigenously and tested in all climate zones of India, as a practical net-zero pathway for Indian Oil.

Dr Swati Singh, alumnus of TERI SAS conferred with award of prestigious post-doctoral fellowship (WISE-PDF) by Women in Science and Engineering (WISE-KIRAN) Division of DST (Department of Science and Technology, Government of India) for project titled "Understanding and modulating CANTA3: a potential heat stress activator for cuticle biosynthesis to engineer thermotolerant *B. juncea*" for three years.





The Department of Policy and Management Studies organized the session of Campus to Corporate (C2C) on May 17, 2024 on "Exploring Pathways in Carbon Markets" by Mr Manish Dabkara, Chairman & MD at EKI Energy Services Ltd and President - CMAI (Carbon Markets Association of India). It was a very intriguing session to gain an understanding about the carbon markets and its future.



"Unwind with Qala" - an open mic session was organised by team QALA to unwind and recharge batteries of the students before the semester exams was organized on May 17, 2024. This event provided a much-needed break from the exam season and offered a platform to showcase talents or simply enjoy the soothing vibes with everyone.

The Institution Innovation Council (IIC) at TERI SAS organized a special session on "IPR Awareness and Basics of IP Filing Procedure" on May 16, 2024. The honourable speaker was Ms Nayantara Malhotra, an esteemed IPR Attorney and Founder of Ostara Legal (IP Law Firm), as the resource person for this session.





TERI SCHOOL OF ADVANCED STUDIES, NEW DELHI.  
LEADERS IN ENVIRONMENT AND SUSTAINABILITY EDUCATION



**EXPERT TALK**  
ROLE OF POWER MARKETS IN ENERGY TRANSITION

**Speaker**



Mr. Anupum Vadehra  
AVP, PTC India Ltd



**Conference Hall**  
**22 MAY, 2024**  
**2:15 PM**

**Moderator**



Dr. Sapan Thapar  
Assoc Prof, TERI SAS



The Department of Sustainable Engineering at TERI SAS organized an expert talk on Role of Power Markets in Energy Transition by Mr Anupum Vadehra, AVP, PTC India Ltd on May 22, 2024. The session discussed in details about role that power markets play in this era of energy transition which is the need of the hour and also about major power markets, energy transitions and the future of it. The students had an enlightening experience.



# INSTITUTIONAL CORNER



Dr Rajiv Kumar, former Vice Chairperson, NITI Aayog delivered a special lecture cum workshop on “Fostering Personal Sustainability through Inner Harmony & Self-Realization” on May 24, 2024. The interactive session enabled the participants to gain valuable knowledge and insights about the themes of Inner Harmony and Self Realisation, how these are to attained.

TERI School of Advanced Studies, and Delhi Management Association - ESG Committee organized a round table discussion on “Self and sustainable development” on June 8, 2024 at TERI SAS. It was a very fruitful discussion where the main major conclusions that emerged were related to individual’s personal values, beliefs, and behaviors significantly impact how sustainable practices are adopted and propagated within societies.



A panel discussion on "Transition of Business Operations to Water Neutrality: Challenges and Opportunities for Ports" was chaired by Dr Ranjana R Chaudhuri, Head & Associate Professor, TERI SAS. The panel included Mr Mahesh Gupta, Mr Tejabhai Kangad, Ex-President, Gandhidham Chamber of Commerce & Industries; Capt. K K Sharma, Vice President, Maithri Aquatech Pvt. Ltd; and Dr Karthikeyan, Gujarat Institute of Desert Ecology (GUIDE), Bhuj.

The Clarivate Delhi Edition of the Clarivate Awareness and Engagement Programme (CAEP) was held on June 12, 2024. The objective of CAEP was to discuss and raise awareness of the most recent developments, opportunities, and trends in the business or the sphere of academic and scientific research followed by a quiz competition. Dr Ratan Kumar Jha, Assistant Librarian, attended the event and won a prize in the quiz competition.





# CAREER COUNSELLING WITH SCHOOLS

Various interactive sessions were conducted with students of multiple Institutes and Schools to brief them about the various career prospects in the area of Sustainability and how the programmes at TERI SAS will prepare them for future.



**Step by Step School,  
Noida**



**DPS Civil Lines,  
Aligarh**



**Satyanand Public School,  
Gohana, Haryana,**



**Surendranath Centenary School,  
Ranchi**



**International Institute of Mass Media,  
New Delhi**



**Dyal Singh Public School,  
Karnal**



**Lotus Valley International, Gurugram**



**Shiv Nadar School,  
Noida**



**Kendriya Vidhyalaya,  
Presidency Estate, New Delhi**



**Queen's Valley School,  
Dwarka**





TERI SAS launched its first 6-month programme in the long duration online executive education format Senior Management Programme (Corporate Social Responsibility and Sustainable Development) on June 23, 2024. A total of 75 senior executives have joined this programme with the experience ranging from 8 years to 53 years with more than 20 industry segments are reflected in participant's profile. The programme delves into diverse array of topics, ranging from building a sustainable world to addressing climate risk issues, impact assessment models, and sustainable business models.

A team of 40+ CBSE school Principals visited TERI SAS for two days as part of exposure to higher education institutes. The visit comprised of interaction on career opportunities in the area of Sustainable Development, alignment of TERI SAS courses with NEP 2020, research presentations and visit to TERI Gram, Gwal Pahari.



## Ph.D. AWARDED



**Dr Sanchi Jain**

**Title : Complexities of agency formation and domestic work in Delhi**

**Dr Tanvi Khurana**

**Title : Role of electricity in rural non-farm household enterprises**



**Dr Karthick Radhakrishnan**

**Title : Influence of Land use Change on livelihood: A case study of Coastal Wetland Ecosystems in India**



# IPCA CENTRE FOR WASTE MANAGEMENT AND RESEARCH

After the remarkable success of the previous batches, the 5th Batch of the Certificate Course on Entrepreneurship in Solid Waste Management commenced on June 07, 2024 with 27 participants from 13 states and 2 union territories.



Economics of Invasive Species and Sustainable Livelihood Creation: A Case Study of Water Hyacinth in the Vembanad Kol Wetland of Kerala. The research involves multidisciplinary approach of incorporating economics, governance and institutional approach to promote sustainable livelihood by utilizing water hyacinth in second largest Ramsar site of India-Vembanad Kol.

The project aims to undertake a socio-economic and undertake stakeholder engagement exercises of key parties involved in the backward and forward linkages of Asia's largest BioCNG plant in Indore. The findings of the study will also act as a business case study and a ready reckoner to maximise the community benefits from similar BioCNG projects.



Launch of Report on 'Water Credits: Impact-adjusted virtual water footprint to establish a baseline for the beverage industry" by Mr Ramesh Chauhan, Chairman, Bisleri International Private Limited (BIPL) on May 8, 2024. The launch was highly captured in the online and print media.

Prof. Arun Kansal visited the Department of Environment System Sciences, University of Graz, Austria, from June 15-22, 2024. He delivered lecture for Master's students on topics such as - Human factors in Sustainable mobility transition, Comparative environmental governance: Europe and India, water security, emerging paradigms of waste management, etc. He also gave a faculty seminar and interacted with professors and experts for potential collaboration opportunities.





# 25 Glorious Years of Sustainability

FOR MORE INFORMATION:



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