

**Centre for Environmental Studies and Disaster Management, Miranda House**  
**Report 2023-2024**

**Contemporary Visualisation Tools And Urban Heat Mitigation by Dr. Komali Yenneti on 22 August, 2023**

Department of Geography,  
Miranda House  
in collaboration with  
Centre for Environmental Studies and Disaster Management,  
Miranda House, University of Delhi  
presents a seminar on  
**'CONTEMPORARY VISUALISATION TOOLS AND  
URBAN HEAT MITIGATION'**

**SPEAKER**  
Dr Komali Yenneti  
Chair IGU-YECG  
Senior Lecturer, School of Architecture &  
the Built Environment, University of  
Wolverhampton, UK

**PATRON**  
Prof. Bijayalaxmi Nanda  
Principal, Miranda House

**TEACHER IN CHARGE**  
Dr. Rakhi Parijat  
Associate Professor  
Department of Geography

**CONVENOR**  
Ms. Shipra Singh  
Assistant Professor  
Department of Geography

**STUDENT COORDINATOR**  
Ms. Rasika Kaul  
Department of Geography

**TUESDAY**  
22 August, 2023

**TIME**  
12.00- 01.00 pm

FOR ANY FURTHER QUERIES, KINDLY CONTACT- 9055001136

“The Globe is at a crossroads in terms of the urban heat island effect.”With rising temperatures due to urbanisation and an expanding built environment. In the wake of this, the Department of Geography in collaboration with the Centre for Environmental Studies and Disaster Management

(CESDM) organised a seminar in which Dr. Komali Yenneti delivered a lecture that aimed at illuminating the topic “Contemporary Visualisation Tools and Urban Heat Mitigation” on August 23, since urban resilience makes cities shockproof from the future calamities. Therefore, it can be achieved through data science, such as 3D Spatial and GIS data visualisation. A total of 123 participants attended the seminar.

## Three months Certificate course on Sustainable Pathways to Environment, Society and Governance from 27 September to 26 December, 2023

**THREE MONTHS CERTIFICATE COURSE ON SUSTAINABLE PATHWAYS TO ENVIRONMENT, SOCIETY AND GOVERNANCE (ESG)**

**SEPTEMBER 27 - DECEMBER 26 2023**

**COURSE HIGHLIGHTS**

- SKILL-BASED APPLIED LEARNING WITH MULTIDISCIPLINARY APPROACH
- SPECIALISED TRAINING IN GEOSPATIAL AND ANALYTICAL TOOLS

**CENTRE FOR ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT  
MIRANDA HOUSE  
UNIVERSITY OF DELHI  
DELHI-110007**

Course at a Glance	
Duration	3 Months
Medium of Instruction	English
Course Fee	₹ 10,000
Eligibility for Admission	Graduate in any Discipline
Process of Selection	Face-to-face Interview
Lectures/ Practicals	02 Hours per day
Time	3:00-5:00 p.m
Minimum Attendance	75 per cent
Evaluation Criteria	End-term Exam, Viva-Voce, Field Report

**Important Dates**

Registration Link: <https://forms.gle/mCZH4gy8BbDXcZa6>  
 Last Date for Registration: September 24, 2023  
 Date of Interview: September 25, 2023  
 Shortlisting of Selected Candidates: September 25, 2023  
 Last date of Payment of Fee: September 26, 2023  
 Orientation: September 27, 2023

[mirandahouse.ac.in/centres/cesdm.php](http://mirandahouse.ac.in/centres/cesdm.php)

**+91-9990333057/ +91-9718678809 | [cesdm@mirandahouse.ac.in](mailto:cesdm@mirandahouse.ac.in)**

"The Earth does not belong to us; we belong to the Earth" Under this guiding principle, promoting deeper responsibility towards environmental stewardship and governance The Centre for Environmental Studies and Disaster Management, Miranda House commenced a three-month course on "Sustainable Pathways to Environment, Society, and Governance" focused on skill-based applied learning through a multidisciplinary approach. It emphasized specialized training in geospatial and analytical tools, fostering practical competencies. A key highlight was integrating knowledge across fields, and preparing participants to address complex sustainability challenges. The course also included a field excursion to Geeli Mitti, offering hands-on exposure to sustainable practices in real-world settings. The course had 15 participants.

**Seminar on Geodiversity from Geographical Perspectives organised in collaboration with International Geographical Union and International Geoscience and Geoparks Programme, UNESCO on 8 October, 2023**

Centre for Environmental Studies and Disaster Management,  
Miranda House, University of Delhi

*in collaboration with*  
International Geographical Union and International Geoscience and  
Geoparks Programme, UNESCO

*presents a seminar on*  
**"GEODIVERSITY FROM GEOGRAPHICAL PERSPECTIVES"**

**SESSION CHAIRS**

**PATRON**

PROF. BIJAYALAXMI NANDA  
PRINCIPAL,  
MIRANDA HOUSE

PROF. MIKE MEADOWS  
PRESIDENT,IGU

PROF. YUKIO HIMIYAMA  
PAST PRESIDENT,IGU

DR. PEI WANG  
INSTITUTE OF HYDROBIOLOGY,  
CHINESE ACADEMY OF SCIENCES

PROF. MARIA PARADISO  
UNIVERSITY FEDERICO II,  
NAPLES, AND NATIONAL MARINE  
BIODIVERSITY CENTRE

**CONVENOR**

- Dr. Rakhi Parijat  
Associate Professor, Miranda House
- Dr. Rekha Kumari  
Associate Professor, Miranda House
- Dr. Saloni Bahri  
Associate Professor, Miranda House

**ORGANISING SECRETARY**

- Dr. Pankaj Kumar  
Assistant Secretary General, IGU  
Associate Professor, Delhi School  
of Economics

**CO-CONVENOR**

- Ms. Shipra Singh  
Assistant Professor, Miranda  
House

14:30 – 16:30 IST  
(9:00 – 11:00 GMT)

8TH OCTOBER  
2023, SUNDAY

MINI AUDITORIUM,  
MIRANDA HOUSE

**ORGANISING COMMITTEE**

Dr. Ankita Medhi Dr. Prafullit Bishr Dr.Ruchi Sachan Dr. Shailender Kumar Dr.Vimla Singh Dr.Pratibha Tomar Dr.Monica Saroj

FOR ANY QUERIES, CONTACT :  
RASIKA KAUL (9055001136), RICHA PRAGYA (8335982027)

The Centre for Environmental Studies and Disaster Management in collaboration with International Geographical Union and International Geoscience and Geoparks Programme, UNESCO organised a seminar on "Geodiversity From Geographical Perspectives" on 8th October,2023. It was a privilege to host this seminar as Miranda House organised it for the first time in history this important day celebrating Geodiversity. The session chairs for the seminar were Prof. Mike Meadows (President, IGU) Prof. Yukio Himiyama, Dr. Pei Wang, and Prof. Maria Paradiso. The seminar focused upon how geodiversity shapes ecosystems, affects biodiversity, and underpins essential environmental processes. 157 participants attended the seminar.

## Lecture on The Past, Present And Future Of Anthropocene: Lessons For Sustainability by IGU President Prof. Mike Meadows on 10 October, 2023

The poster features a background image of a dry, eroded landscape under a cloudy sky. At the top left is the Miranda House University of Delhi logo. In the top center is the CESDM logo, and at the top right is the IGU logo. The text reads: 'Centre for Environmental Studies and Disaster Management, Miranda House University of Delhi. Is organising a lecture on The Past, Present and Future of the Anthropocene: Lessons for Sustainability'. Below this, it lists the roles: 'PATRON' (Prof. Bijayalaxmi Nanda, Principal, Miranda House) and 'SPEAKER' (Prof. Mike Meadows, President, IGU). The 'CONVENOR' is Ms. Shipra Singh, Assistant Professor, Miranda House. The event details are: 3:30 PM-4:30 PM on 10th October Tuesday at Policy and Gender Lab, Miranda House. Contact information for Muskan Sharma is provided at the bottom.

**Centre for Environmental Studies and Disaster Management,  
Miranda House  
University of Delhi**  
*Is organising a lecture on*  
**The Past, Present and Future of the Anthropocene:  
Lessons for Sustainability**

**PATRON**  
  
**PROF. BIJAYALAXMI NANDA**  
PRINCIPAL, MIRANDA HOUSE

**SPEAKER**  
  
**PROF. MIKE MEADOWS**  
PRESIDENT, IGU

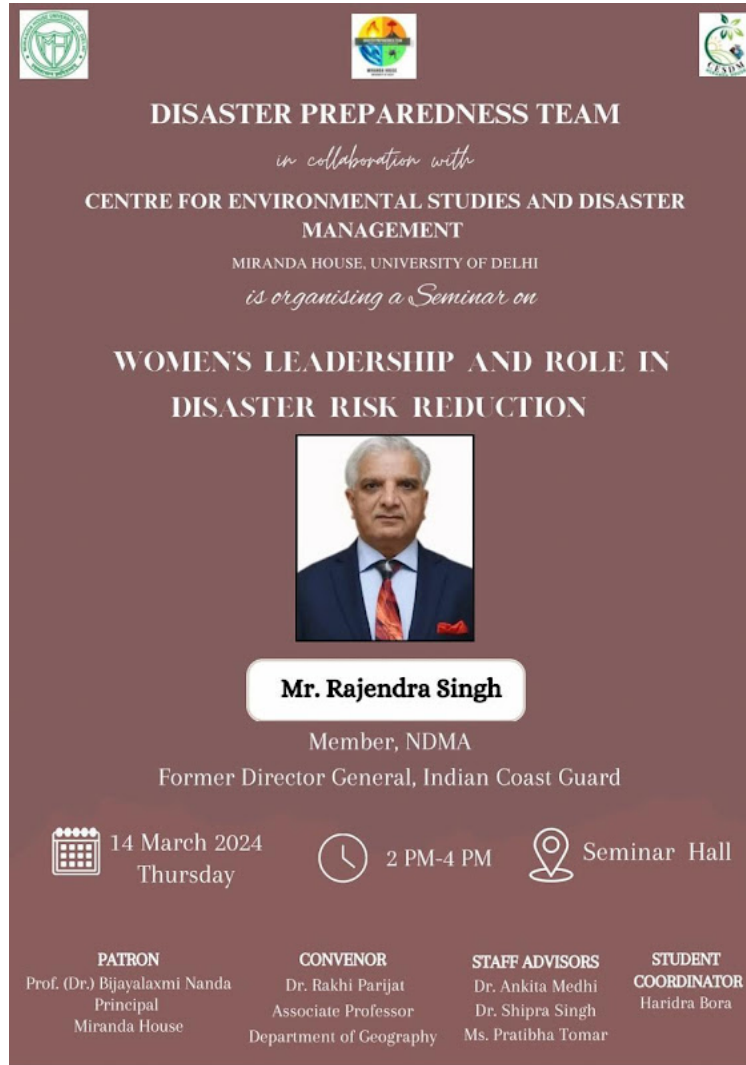
**CONVENOR**  
Ms. Shipra Singh  
Assistant Professor  
Miranda House

 3:30 PM-4:30 PM  10TH OCTOBER  
TUESDAY  POLICY AND GENDER LAB  
MIRANDA HOUSE

FOR ANY QUERIES, CONTACT :  
MUSKAN SHARMA(6299137917)


The "Anthropocene" is the current geologic age characterized by the effects of human activity on Earth's temperature and ecosystems. On 10 October, 2023, in cooperation with CESDM, Professor Mike Meadows, IGU President, gave a lecture titled "The Past, Present, and Future of the Anthropocene: Lessons for Sustainability" in an effort to discuss the matter at hand further. His talk centered on how geography, ecology, and policymaking are pivotal for navigating the Anthropocene and creating a more resilient and sustainable world. The lecture was attended by 45 participants.

**Seminar on Women's Leadership and Role in Disaster Risk Reduction by Mr. Rajendra Singh Organised on 14 March, 2024 in Collaboration with Disaster Preparedness Team**



The poster is a vertical rectangular graphic with a dark red background. At the top, there are three logos: the University of Delhi logo on the left, a central logo for the Disaster Preparedness Team, and the CESDM logo on the right. The text is centered and reads: "DISASTER PREPAREDNESS TEAM" in white, uppercase letters. Below it, in a smaller, italicized font, is "in collaboration with". This is followed by "CENTRE FOR ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT" in white, uppercase letters, and "MIRANDA HOUSE, UNIVERSITY OF DELHI" in a smaller white font. Below that, in an italicized font, is "is organising a Seminar on". The main title of the seminar, "WOMEN'S LEADERSHIP AND ROLE IN DISASTER RISK REDUCTION", is written in white, uppercase letters. In the center, there is a portrait of Mr. Rajendra Singh, a man with white hair wearing a dark suit and a red tie. Below the portrait, his name "Mr. Rajendra Singh" is written in bold black text inside a white rounded rectangle. Underneath, his titles "Member, NDMA" and "Former Director General, Indian Coast Guard" are listed in white. At the bottom, there are three icons: a calendar icon for the date "14 March 2024 Thursday", a clock icon for the time "2 PM-4 PM", and a location pin icon for the venue "Seminar Hall". At the very bottom, there are four columns of text listing the roles and names of the organizers: PATRON (Prof. (Dr.) Bijayalaxmi Nanda, Principal, Miranda House), CONVENOR (Dr. Rakhi Parijat, Associate Professor, Department of Geography), STAFF ADVISORS (Dr. Ankita Medhi, Dr. Shipra Singh, Ms. Pratibha Tomar), and STUDENT COORDINATOR (Haridra Bora).

**DISASTER PREPAREDNESS TEAM**  
*in collaboration with*  
**CENTRE FOR ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT**  
MIRANDA HOUSE, UNIVERSITY OF DELHI  
*is organising a Seminar on*  
**WOMEN'S LEADERSHIP AND ROLE IN DISASTER RISK REDUCTION**



**Mr. Rajendra Singh**  
Member, NDMA  
Former Director General, Indian Coast Guard

14 March 2024  
Thursday

2 PM-4 PM

Seminar Hall

**PATRON**  
Prof. (Dr.) Bijayalaxmi Nanda  
Principal  
Miranda House

**CONVENOR**  
Dr. Rakhi Parijat  
Associate Professor  
Department of Geography

**STAFF ADVISORS**  
Dr. Ankita Medhi  
Dr. Shipra Singh  
Ms. Pratibha Tomar

**STUDENT COORDINATOR**  
Haridra Bora

Today women are playing a phenomenal role in every aspect of society connecting it to real-life situations. Awareness and alertness regarding disasters are equally important for women too as they do build up in the younger generation of society. Therefore, considering the importance of women and their significance in disaster risk reduction, a seminar was held by CESDM on women's leadership and role in DRR on 14 March in collaboration with the Disaster Preparedness Team by Mr. Rajendra Singh. He has

immensely inspired the students present with his viewpoints on this. The seminar was attended by 118 participants.

## Capacity Building Programme on Analysing Household Vulnerability to Environmental Disasters Using Wealth And Vulnerability Indices from 12 March-26 March, 2024

**Centre of Environmental Studies and Disaster Management**  
**Miranda House**  
is organising a capacity-building programme  
on  
**Analysing Household Vulnerability to Environmental Disasters Using Wealth and Vulnerability Indices**

*Two weeks intensive capacity-building training programme on using household data to identify and map vulnerable communities*

**LEARN TO**

- Construct wealth indices from housing, assets, and amenity data
- Develop vulnerability indices based on education, livelihoods, access to services
- Overlay environmental hazards data to find at-risk households
- Use index scores to target disaster relief and resilience building
- Create localized policies addressing inequities contributing to vulnerability

**COVERS CONCEPTS INCLUDING**

- Household sampling strategies
- Principle Component Analysis (PCA)
- Index calculation using Stata
- Spatial analysis and mapping techniques
- Relating indices to disaster impacts

**FEATURES**

- Lectures from Experienced Teacher
- Hands-on Stata exercises
- Student presentations
- Discussion on research and policy applications

**Course Coordinators**

**Dr. Rakhi Parijat**  
Associate Professor  
Department of Geography

**Ms. Pratibha Tomar**  
Assistant Professor  
Department of Geography

Register for the course

Join us for this engaging opportunity to gain new skills and perspectives for analyzing different aspects of vulnerability!

+91-9718678809

cesdm@mirandahouse.ac.in

CESDM, Miranda House has organised a Capacity-building programme on Analysing household vulnerability to environmental disasters using wealth and vulnerability indices between 12 March to 26 March. This included lectures, hands-on exercises, student presentations and discussions. This included a variety of things ranging from constructing wealth indices, developing vulnerability indices, using index scores to target disaster relief and also covered

concepts that included Principle Component Analysis (PCA), Spatial analysis and mapping techniques. 28 participants attended this.