

**The 44<sup>th</sup> IIG Annual Meet and International Conference**  
**On**  
**Shaping Tomorrow: Society, Culture, and Environment in an Interconnected World**

January 22-24, 2024

**PROGRAMME SCHEDULE**

Monday, 22 January 2024

Time: 8.00-9.30 am

**Registration of the Delegates**

9:30 to 11:00 am

***INAUGURAL FUNCTION***

Venue: Kalaguru Bishnu Prasad Rabha (KBR) Auditorium, Cotton University

**PROGRAMME**

Dignitaries take chairs

Felicitation

Lighting of ceremonial lamp

Welcome address by the convenor

Address by Secretary General of IIG: Professor Ravindra G Jaybhaye

Address by Chief Guest: Professor Nani Gopal Mahanta,

Education Advisor, Government of Assam

Address by President of IIG: Professor Sachidanand Sinha

Release of Abstract Volume, Souvenir and 36<sup>th</sup> IIG Proceeding

Volume (2015) by the dignitaries

Address by Professor Ramesh Ch Deka, Vice Chancellor, Cotton University

Keynote Speech: Professor Emerita Pua Bar Kutiel,

Ben-Gurion University of Negev, Israel

Vote of thanks

11.00 am -11.15 am

**Tea Break**

11.15am -12.00 noon

**A B Mukerji Memorial Lecture**

**Topic:** *Pandemic, People and Place: Looking through a Geographical Epistemology*

Venue: KBR Auditorium

**Chairperson:** Prof Abani Kumar Bhagabati, Formerly with Gauhati University

**Speaker:** Prof Ram Babu Bhagat, Former Professor and Head, Dept of Migration and Urban Studies, International Institute for Population Studies, Mumbai.

### Parallel Technical Sessions Venues

Venue 1: MCB 311

Venue 2: MCB Conference Ground floor

Venue 3: MCB 207 Education Dept.

Venue 4: Conference Room Physics Dept. 1<sup>st</sup> floor

Venue 5: Physics Junior Gallery

Venue 6: Conference Room, Chemistry Dept. 2<sup>nd</sup> floor

Venue 7: Sudmersen Hall

Venue 8: Geography Dept. BKB 2<sup>nd</sup> floor

Venue 9: MCB 116 Statistics Dept.

Venue 10: MCB 101 Mathematics Dept.

Venue 11: MCB 312 MBBT

### Parallel Technical Sessions I

Date: January 22, 2024, Monday

Time 12.00 noon – 1.30 pm

Room No: MCB 311

**Chair & Speaker:** Prof. Mu Mu Than, Dagon University, Myanmar

**Topic:** Resilience to Hazards: The behavioural responses of Rice farmers  
in Waw township, Bago Region

**Co-chair:** Dr Nityananda Deka, Gauhati University

Theme 1: Agriculture, culture of agriculture, resources management and  
livelihood in the changing environment.

Sl. No	Paper Title	Authors
1	Agrarian Distress and Crop Diversification in a Flood Affected Landscape of Assam	Saikia Ananya, Borthakur Monjit
2	Exploring Agricultural Sustainability in Pachnoi Watershed, North-East India	Borah Debashree, Bora Ashok K

3	Livelihood Assets and Strategies among the Marginal Farmers in Murshidabad District of West Bengal	Ghosh Joyanta, Kar Bimal K.
4	Changing Farming Strategies and Development among the Farmers in Arunachal Pradesh: A Study of Toru Circle, Papum Pare District	Mepu Nabam, Singh N. C.
5	Agricultural Modernization and Rural Development: A Case Study of Gumla District, Jharkhand	Mishra Nitin Kumar
6	Analytical Hierarchy Process Based Multi-Criteria Analysis and Influence Technique for Agricultural Development of Adhala River Basin Village in Maharashtra (India)	Gaikwad Ravindra D., Karande Pandharinath T.
7	Living in the Channel Migration Zone of Brahmaputra River	Begum Sabrina, Das Apurba Kumar, Hussain Arif
8	The Role of Farmers Producer Companies in Agriculture: A Case Study of Suntali Maize Producer Company in Rajamayong, Morigaon District, Assam	Sarma Mayuri, Dutta Mala

Date: 22. 01.24 Monday

Time: 12.00 – 1.30 pm

Room: MCB Conference room, ground floor

**Chair and invited speaker:** Prof Sibabrata Das. Ravenshaw University

**Topic:** Odisha@100: Challenges and Opportunities of Demographic Change

**Co-chair:** Dr. Manash J Nath, Gauhati University

Theme 2: Population of India: spatial dynamics and development,  
population and the environment

Sl. No	Paper Title	Authors
1	An Assessment of the Volume, Trend, and Pattern of International Labour Migration Flow to Gulf Countries from India: A Comparative Study of Kerala and West Bengal	SK Abbasuddin, Purkayastha Subrata

2	Understanding Demographic and Social Development Disparity in Manipur, India	Hakim M. A., Kar Bimal K.
3	Growth and Distribution Patterns of Small Tea Plantations in Assam: A Case Study of Udalguri District	Machahary Jeshmi, Kar Bimal Kumar
4	Trends of Child Sex-ratio Among Different Social Groups in West Bengal	Biswas Kana
5	Linguistic Diversity in Tripura: A Geographical Study	Debbarma Mousami, Debbarma Sudeshna
6	Patterns of in and Out Migration of Females in India's North-East: Evidences from 2001 and 2011 Census	Rajbongshi Preetimala, Kar Bimal Kumar
7	Spatial Variation in the level of Demographic, Educational and Economic Development of Women in North-East India	Prasenjit Das

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: MCB 207 (Education Dept)

**Chair:** Prof Shahab Fazal, Aligarh Muslim University

**Co-chair:** Dr. Pankaj Kumar, Delhi School of Economics, Delhi University

Theme 3: Hazards and disasters: indigenous disaster resilient approaches,  
policies and programmes of the state

Sl. No	Paper Title	Authors
1	Estimation of Soil Erosion using Revised Universal Soil Loss Equation (RUSLE) Model in Dibrugarh District, Assam, India	Handique Arpana, Acharjee Shukla
2	Return Period Estimation and Model Selection for Effective Flood Risk Assessment of Jhelum Basin	Shah Asif

3	Fire Hazards in Lower Subansiri District: A Study in Ziro Valley	Obing Dani, Kar Nishamani
4	Investigating Physico-mechanical Properties of Bhuban Shale and their Impact on Landslides Amidst Rapid Urbanization in Aizawl, Mizoram	Mazumder Debasish, Das Ratan, Das Sourav
5	Rock Mass Characterization and Classification along Guwahati-Shillong National Highway	Medhi Dhritismita, Das Ratan
6	Assessment of Landslide Susceptibility for a Landslide-prone Area of Panhala Hill, Maharashtra, India	Bhandare Dinesh J.
7	Bank Erosion by River Brahmaputra: A Case Study of Mohanaghat in Dibrugarh District, Assam	Bori Diram, Malakar Arijeet, Jitashree Saikia
8	Riverbank Erosion and its Impact on Livelihood in Sadiya Region, Assam	Das Ratul

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair and invited speaker:** Prof. Nandini C. Singh, Rajiv Gandhi University

**Topic:** Status of women in India: Status and Continuity

**Co-chair:** Dr. Farhana Khatun, Allahabad University

Theme 4: Gender and space: Physical and institutional environment and gender in India, continuity and change

Sl. No	Paper Title	Authors
1	Gender Disparity and Old Age: Issues in Guwahati City	Bhargava Aakanksha S., Gogoi Barnali
2	Theorizing Patriarchy – Creating a Lens for Analysing the Urban Street-Food Vending Space in Kolkata	Bardhan Aditi
3	Trend and Pattern of Women's Participation in Higher Education: A Case Study in Titabar, Jorhat	Gogoi Akash, Baruah Ritom Kumar, Devi Rima, Sharma Navamallika

4	Feminization of Agriculture: Women Farmers as Decision Makers	Verma Alka, Tiwari Seema
5	Exploring the Nature of Women Trafficking in South 24 Parganas District: A Study on Canning I and Namkhana block, Kolkata	Mallick Ambar Subhra, Karmakar Supratim
6	The Additional Burden of Anxiety: A Study on Safety of Women in Public Spaces of Coimbatore City, India	S Amritha Shri Varshini, T P Sudeep
7	Women Safety in Urban Spaces: A Study on Underreporting of Sexual Harassment in Public Transport System in Indian Cities	Dwivedi Atal, Rawat Roohi

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: Sudmersen Hall

**Chair:** Professor Mujibor Rahman, Khulna University, Bangladesh

**Co-chair:** Dr Ananya Chutia, Cotton University

Theme 5: Landscape: Forms, processes, changes, and human intervention

Sl. No	Paper Title	Authors
1	Hydro-Development, Economic Well-being and Reimagination of Tista Basin Landscape in Sikkim-Darjeeling Hills, India	Hannan Abdul, Sherpa Kessang C, Golay Dixchen
2	A GIS Based Study on the Trends of Bankline Migration of the Brahmaputra River in the Districts of Upper Assam, India	Das Bhagya
3	Forest fragmentation and its possible causes: A case study of Jhargram District, West Bengal	Jana Bishaldeep, Bajpai Ranjana
4	Coastal Management and Landscape Change: A Case Study of Ernakulam Coast in Kerala, India	Chandran Anupama

5	An Analysis of Land Use, Land Cover Changes in Mamit District, Mizoram, India	Esther Lalhriatpuii, Bobby Beingachhi
6	Landscape Mapping for Humid Regions: An Assessment for Jaintia Hills, Meghalaya	Syiemlieh Hiambok Jones, Kynter Monsngewbha, Syiemlieh Baiaiaplang
7	A Study of Geological Control on the Characteristics of the Noa Dihing River Basin in Arunachal Pradesh and Assam, India	Boaruah Jamini, Sarma Santanu

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: Conference room, Chemistry Dept (2<sup>nd</sup> floor)

**Chair:** Prof Ashok Kumar Bora, Formerly with GU

**Co-chair:** Dr Jyoti Prasad Das, Pragjyotish College

Theme 6: Management of ecosystems, human activities and the ecosystems:  
adaptation and sustainability

Sl. No	Paper Title	Authors
1	Groundwater Potential Zonation of Longding District, Arunachal Pradesh, India	WangsuAhai, Patnaik Santanu Kumar
2	Exploring the Path of Navigation of Human Society in Terms of Global Sustainability as a Symbolic Representation of Adaptiveness and Reflexivity	Ray Debdas, Ray Kakali
3	Implications of Exhaustion of Natural Resources on Livelihood of Tribal Women: A Comprehensive Study on West Kameng District of Arunachal Pradesh, India	Mishra Dinky, Mili Monalisha, Sarmah Biswajit
4	Dynamic Transitions in Wular Lake's Land use and Land cover: Analysing the Role of	Kour Gurleen, Bhatt Rashid Latief, Prabha

	Urban Development and Agricultural Activities	Shashi
5	Accessing the spatio-temporal forest health of Laokhowa wildlife sanctuary in Nagaon, Assam	Nath Nabajyoti, Ahmed Raihan, Borah Pulin Ch., Baruah Dhrubajyoti
6	Spatial Assessment of Water Scarcity in the Cold Desert of Leh District, India using Water Poverty Index	Kumar Naveen, Ahmad Mansoor, Asgher Md Sarfaraz

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: Physics Junior Gallery

**Chair:** Prof Tulshi Kumar Das, Shahjalal University, Bangladesh

**Co-chair:** Prof. Miamato Shinji, Okayama University, Japan

Theme 7: Rural landscape, developments, and lesser known communities

Sl. No	Paper Title	Authors
1	The Scenario of Tribal Education in Jharkhand: A Geographical Analysis	Rani Alka, Kumar Sanjay
2	Development Projects and Rural Landscape Transformation in Rajgir Block of Nalanda District	Dubey Alok Kumar, Rizvi Firdaus Fatima
3	Dimensions of Social Development: A Case Study of Gram Panchayats of Sonarpur Block of District South 24Parganas in West Bengal	Mondal Anuradha
4	Assessing Socio-Economic Empowerment of Meo Muslim Women Community in Nuh District, Haryana, India: A Qualitative Study	Avadhesh Kumar Meena, Harpreet Singh
5	Rural Landscape Attachment and Conservation Among Indigenous People: A Case Study of Two Small Towns in Tripura	Debbarma Benjamin



6	Reflections of Modern Health Care along the 'Two Leaves and a Bud' Trail in Sonitpur District, Assam	Khan Heena, Saikia Sailajananda

Date: 22.01.24 Monday

Time: 12.00 – 1.30 pm

Room: Conference room, Physics Dept. (1st floor)

**Chair & Invited Speaker:** Prof Mallik Akram Husain, Jagannath University, Bangladesh

**Topic:** *Solar Waste Management in Rural Bangladesh– Policies and Practices*

**Co-chair:** Dr Sabina Banu, BHU

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Uncovering Urban Development Deprivation: A Study of Municipal Corporations in Uttar Pradesh, India	Ansari Abid Ali
2	GIS Spatial Analysis of Air Pollutants and their impact on human health in the Patna Metropolitan city	Kumar Akash, Kumari Kiran
3	Regional Disparities in the Level of Social Well-Being in Terms of Demographic Characteristics of Urban Population of Eastern Uttar Pradesh	Gupta Ankit Kumar, Gavsker Kapil Kumar
4	Analysing the Spatio-Temporal Variation in Land Use and Land Cover Change of Counter Magnet Town Hisar, Haryana	Asha
5	Street Crime Profile Analysis Using Geospatial Techniques: A Study on Siliguri Municipal Corporation, West Bengal	Ashit Modak Ashit, Mukherjee Kasturi

6	Estimation of Roof Top Rain Water Harvesting Potential for Minimization of Water Scarcity in Water Stress Period of Shrigonda Town	Deokar Babu D.
7	Availability & Convenience Analysis of Urban Green Space in Siliguri Municipal Corporation	Biswas Barnali, Sarkar Ranjita Roy

1.30-2.30 pm  
LUNCH BREAK

2.30pm – 3.30pm  
**Parallel Thematic Sessions – I**

Venue: KBR Hall

**Lecture I**

Theme: Technology for Society and Environment

**Chairperson:** Dr V. Raghavaswamy, Formerly with NRSC (ISRO), Hyderabad

**Speaker:** Professor Md Rejaur Rahman, University of Rajshahi, Bangladesh

**Topic:** Geospatial Analysis of Surface Water Dynamics towards Flood Hazard Mapping-A SAR Remote Sensing and Machine Learning Approach based Study

**Lecture II**

Theme: Environmental Concerns: Dilemmas and Equilibriums

**Chairperson:** Emerita Pua Bar Kutiel, Prof Bengurion University, Negev Israel

**Speaker:** Prof Apurba Kumar Das, Tezpur University

**Topic:** Reflections on Human's Conflicting actions towards Environmental Concerns: The Dilemmas and Equilibriums

Venue: MCB 311

**Panel Discussion**

Theme: Disaster Preparedness- Panel by Assam State Disaster Management Authority

**Chairperson:** Prof S K Patnaik, Rajiv Gandhi University, Arunachal Pradesh

**Panelist:**

1. Shri Mukta Ram Deka, PM DRR, ASDMA
2. Dr Kripal Jyoti Mazumdar, PO R&R
3. Smt Mandira Buragohain, PO, KM and CC
  4. Smt Bhavna, TSU, ASDMA
  5. Sri Bibek MahatoTSU ASDMA

### Lecture III

Theme: Agriculture, Culture and Resource Management with Precision  
Agriculture and appropriate technology

**Chairperson:** Prof Sachinanda Sinha, President IIG

**Speaker:** Dr Arun Kumar Sarma, Director General, NECTAR, Shillong

**Topic:** Technology driven Multi- criteria Decision Making (MCDA) based Organic  
Agriculture in North East Region

3.30pm – 4.00pm

### Tea Break

4.00pm – 5.30 pm

### Parallel Technical Sessions –II

Date: January 22, 2024, Monday

Time: 4.00 – 5.30 pm

Room No: MCB 311

**Chair:** Prof Tage Rupa Sora, Professor, Rajiv Gandhi University, Arunachal Pradesh

**Co-chair:** Dr Dipali Neog, Arya Vidyapeeth College

Theme 1: Agriculture, culture of agriculture, resources management  
and livelihood in the changing environment

Sl. No	Paper Title	Authors
1	Traditional Farming Tools and Implements Use in the Brahmaputra Valley, Assam: Characteristics and Changes	Anjan Baruah, Deepjyoti Gogoi, Dipamoni Bordoloi, Karabi Kakaoti, Prince Kashyap and Riya Rajkhowa
2	Primordial Cultivation (Jhum) of Karbi in Karbi Anglong and its Relevance in Present Day Agriculture Scenario in the Region	Ingti Atur Kiri, Timungpi Linso
3	A study on the Socio – economic Impact of Traditional Agriculture Practices on Farmers of Bokakhat Sub-division in Assam	Doley Jyotimala, Deka Sujit
4	Adapting to Change: Assessing the Impact of Modern Agricultural Practices on Traditional Rice Varieties in Lakhimpur District, Assam	Hazarika Parishmita, Kar Nishamani

Date: 22. 01.24 Monday

Time: 16.00 – 17.30 pm

Room: MCB Conference room, ground floor

**Chair and invited speaker:** Prof Uday Saikia, Flinders University, Adelaide

**Topic:** Population and Sustainable Development: The complex reality

**Co-chair:** Dr Palme Barthakur, USTM

Theme 2: Population of India: spatial dynamics and development,  
population and the environment

Sl. No	Paper Title	Authors
1	Accessibility to Maternal Health Care Facilities: A Case Study Using Multicriteria Decision Analysis (MCDA) Technique in Goalpara District, Assam	Gogoi Princi, Nath Manash Jyoti
2	Change in Population Growth and its Characteristics: A Case Study in Haora Municipal Corporation	Saha Pritha, Das Nilanjana
3	Prevalence of Anemia in Uttar Pradesh: Insights Derived from the National Family Health Survey	Priyanka Gupta
4	Socio-Economic and Geographic Differentials in Diabetes among Men in India: Evidence from National Family Health Survey	Roychowdhury Ratul
5	Out-migration and Depopulating Villages in the Central Himalaya	Kumar Saurav
6	Exploring the Human Facial Features: An Nasofacial Analysis with Elevation Using Rhinobase Software	Jaiswal Shresthi, Rana Arushi, Manjeet, Bist Urvashi

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: MCB 207 (Education Dept)

**Chair:** Dr Satyajit Kataki, Cotton University

**Co-chair:** Dr Gitika Thakuriah, Cotton University

Theme 3: Hazards and disasters: indigenous disaster resilient approaches,  
policies and programmes of the state

Sl. No	Paper Title	Authors
1	Assessing Flood Vulnerability of Riparian Households Living in Tal and Diara Regions of Malda District, West Bengal: An	Rishi Hiranmay, Purkayastha Subrata

	Application of Livelihood Vulnerability Index (LVI)	
2	Morphological Indicators for 4th Order Prioritization of Yamuna Valley using WSA and SPR Method, Garhwal Himalaya, Uttarakhand, India	Liaqat Ibrar, Shar Vikram S.
3	The Impact of Street Layout on Urban Mobility and Traffic Congestion: A Strategy for Enhancing Resilience to Future Disasters	Doley Jeny, Borah Kankana
4	Manufactured Floods versus the Anti-Embankment Discourse in the Brahmaputra Valley, Assam	Baruah Juri
5	Flood Vulnerability and Risk assessment in the Thoubal River Watershed using Multi-Criteria Decision Analysis	SanathoiKonsam, Singh Kh Pradipkumar
6	Geospatial Assessment of Urban Flooding Patterns and its Causes in Recent Years in the State of Maharashtra, India	Lokhande Mrunmayee, Ravan Shirish, Wanjari Pritam
7	Examining Social Vulnerability to Multi-hazards in North-Western Himalayas, India	Sharma Lucky, Dube Shiva Kant, Rana Narendra Kumar
8	Mitigating Flood Risks in Nagaon District, Assam (India) using Rural Hydrological Approach	Bhuyan Manash Jyoti, Deka Nityananda, Miyamoto Shinji, Ando Kazuo, Bhagabati Abani Kumar, Uchida Haruo

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair:** Prof Madhushree Das, Gauhati University

**Co-chair:** Dr Lakhimi Gogoi, Narengi Anchalik College, Guwahati

Theme 4: Gender and space: Physical and institutional environment and gender in India, continuity and change

Sl. No	Paper Title	Authors
1	Marginalisation of A Primitive Forest Community of Purulia Villages In West Bengal: A Gendered Perspective	Biswas Barnali

2	Occupational Health Hazards of the Tea Garden Workers of Bhamun and Teloiijan Tea Estates of Assam	Deori Darshana, Borgohain Parijat
3	Cyber Blackmailing, Pornography & Fake Profiles and Its Impact on Women in Assam	Rai Deepika
4	Female Literacy Status in Assam: A Socio-Demographic Perspective	Mudoi Dhruba Jyoti, Karmakar Supratim
5	Gender Inequality in Healthcare Expenditure in India: An Estimate from National Household Survey Data	Khatoon Farhana
6	Work Performance and Household Responsibilities: A Case Study of Women Faculties in Government College, Kerala	V Gayathri, T P Sudeep
7	Lives of Young Brides in Slums: A Case Study of Slums in Guwahati City	Saikia Gyanashree, Tamuli Jayeeta

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: Sudmersen Hall

**Chair:** Prof Apurba Kumar Das, Tezpur University

**Co-chair:** Dr Madine Hazarika, Sibsagar Girls' College

Theme 5: Landscape: Forms, processes, changes, and human intervention

Sl. No	Paper Title	Authors
1	An Assessment of the Changes in Land Area and Vegetation Cover in Majuli River Island, Assam: 1987-2023	Bora Kuldeep, Saikia Niharika, Bose Sahana
2	River Bank Instability Analysis in Borgang River, Biswanath District, Assam	Khanam Latifa Ara & Patnaik Santanu Kumar
3	Drainage Morphometry Based Sub Basin Prioritization of Sisi River Basin	Das Luna Moni, Buragohain Bhaskar Jyoti, Hodam Sanayanbi
4	Assessing the Land Use and Land Cover Changes in Karbi Angling District of Assam,	Kashyap Paragjyoti, Bose Sahana

	Northeast India (1989-2021)	
5	Simulating Landscape Dynamics in Kamrup District, India, Using CA-Markov Model	Gogoi Pixi and Debbarma Jimmi
6	Landscape Ecological Analysis of Tinsukia District, Assam, India	Dey Pradyut, Patnaik Santanu Kumar
7	Reach Scale Channel Plan Form Dynamics of Transboundary River Jaldhaka Within Himalayan Foreland Basin	Sarkar Sudipa, Bera Biswajit

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: Conference room, Chemistry dept (2<sup>nd</sup> floor)

**Chair:** Prof Sunil Kumar De, NEHU

**Co-chair:** Dr Narayan Sarma, Cotton University

Theme 6: Management of ecosystems, human activities and the ecosystems:  
adaptation and sustainability

Sl. No	Paper Title	Authors
1	Assessment of Ecological Security in the Bhutan Himalayan Foothills Region of Assam, India Using Machine Learning Based Geospatial Techniques	Nath Nityaranjan, Sahariah Dhrubajyoti
2	Identification of Elephant Corridors: A Way towards Conservation in Garo Hill Region of Meghalaya, India	Sarma Pranjit Kumar, Pradhan Deepa
3	Assessment of Human-Wildlife Conflict: A Case Study of Kothale Village in the Kalsubai Harishchandragad Wildlife Sanctuary, Maharashtra	Deshmukh Sandip N., Jaybhaye Ravindra G.
4	Impact of Land Use Land Cover Dynamics on Ecosystem Service Values: A Study on Eastern Himalayan Region	Dutta Shrabanti
5	Assessment of Socio-Economic Vulnerability	Dutta Shyamal

	in a Forested region: an indicator based study in Bankura District of West Bengal, India	
6	Eco-Cultural Revolution: Humanity's Role in a Dynamic World	Gogoi Sneha, Borbora Parcia Zaman

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: Physics Junior Gallery

**Chair:** Prof D K Nayak, NEHU

**Co-chair:** Prof Khin Mar Yee, Yangon University, Myanmar

Theme 7: Rural landscape, developments, and lesser known communities

Sl. No	Paper Title	Authors
1	Char Dwellers and their Livelihood Pattern: A Study among the People of Western Assam	Ahmed Iftikar Ali, Patangia Rosie, Talukdar Anjan Kumar, Gogoi Lakhimi
2	Identification of Rural Growth Centres and Hierarchical Order of Rural Settlements in Singrauli District of Madhya Pradesh, India	Chouhan Kaluram, Sharma Pawan Kumar
3	Rural Landscape, Development and Lesser- Known Communities: A Case study of Akbarpur, Kanpur Dehat (UP)	Kumari Nidhi, Yadav Atul
4	An Analysis of Socio-economic and Educational Status of the Tai-Khamti Community, Assam	Pegu Rajib, Konwar Jusmita
5	A critical assessment on Rural Electrification about Social Well-being and Changing Landscape in Morigaon district, Assam	Das Ratumoni
6	Own Source Revenue Generation: Discovering the Successful Efforts made by Keinou Gram Panchayat (GP) of Manipur	Singh S. Amal, Singh Irom Ghanasyam



Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: Conference room, Physics dept (1st floor)

**Chair and invited speaker:** Prof S K Patnaik, Rajiv Gandhi University

**Topic:** Decompressing the urban pressure on land and infrastructure

**Co-chair:** Dr Biswajit Kar, Ajim Premji University, Bhopal Campus

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Water Landscape of Unjust, Uneven and Inequity: The case of Guwahati City	Hazarika Bharati, Kar Bimal K
2	Land use land cover change dynamics and its impact on Land Surface Temperature in New Town Kolkata Smart City, India	Mahata Bubun, Sahu Siba Sankar, Sardar Archisman, Rana Laxmikanta, Maity Mukul
3	Assessment of Urban Growth and Development Patterns of Siliguri City, West Bengal, India	Sarkar Chandana, Kar Bimal Kumar
4	Child Labour in Cuttack City: Unravelling the Hidden Realities	Pattnaik Dharajyoti, Daspattanayak Pritirekha
5	Trends and Patterns of Urbanisation in West Bengal from 1951 to 2011: Panel Data Approach from Census of India Dataset	Sen Dipti, Paul Suman
6	Town-Wise Disparities in the Access to Urban Amenities Across the Shillong Urban Agglomeration	Kharpran F Phibawanlang, Purkayastha Subrata
7	Spatial Pattern of Healthcare Facilities in Jammu City, India	Kaur Gursheen

Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: MCB 312 MBBT

**Chair:** Prof Ravindra G Jaybhaye, Savitri Bai Phule University

**Co-chair:** Dr Ujjal Deka Baruah, Cotton University

Theme 9: Modern geo-spatial techniques in development research in India.

Sl. No	Paper Title	Authors
1	Identification of Transitional Change of Land use Land cover (LULC) with special emphasis on Forest cover in Goalpara District, Assam, India: A Geospatial Approach	Hazowary Alinda, Baruah Dipak
2	Modelling and Monitoring the Dynamics of LULC change in the city of Lucknow using Multispectral Satellite Data	Kumari Arti, Boral Eshita
3	Geospatial Techniques use for Change in Drass Basin Glaciers and Mass Balance Study of Machoi Glacier in Kargil District, Ladakh	Singh Davinder, Singh Rajender, Asgher Sarfaraz, Singh Sandeep, Tandup Chhering
4	Flood Hazard Zonation Mapping by using Remote Sensing and GIS Techniques: A Study of Dhubri District, Assam	Hasne Toufiki, B. S. Mipun, Gitika Thakuriah
5	Dynamics of Land Use/Land Cover Changes in Aizawl City, Mizoram using Remote Sensing & GIS	Fc. Kypacharili, Saitluanga Benjamin L
6	Impact of Infrastructure Development on Land Use, Society and Economy: A Study in Sivasagar Revenue Circle of Sivasagar District, Assam	Rajak Parash Kumar and Hazarika Minakshi Phookan
7	Geospatial Based Flood Hazard Vulnerability Assessment of Barpeta District: A Study	Bora Pompei
8	Relationship of Vegetation Sensitivity and Precipitation in Bhutan using Remote Sensing and GIS Techniques	Changkakati Trishna

Date: 22.01.24 Tuesday

Time: 4.00 – 5.30 pm

Room: MCB 116

**Chair:** Prof Ranjana Bajpai, Ravenshaw University

**Co-chair:** Dr Suresh Kr Nath, Cotton University

Theme 10: Traditional manufacturing and value adding sectors in India:  
dynamics of development and challenges

Sl. No	Paper Title	Authors
1	From Traditional to Contemporary: An Evolutionary Perspective on Challenges and Opportunities for Indian Handloom Industry	Yadav Chandani
2	MSME and It's Contribution to the Entrepreneurship Development and Social Upliftment in Assam	Ahmed Iftikar Ali, Gogoi Lakhimi
3	Livelihood Assessment of Weaver Households in Sualkuchi, Assam: A Study Through Sustainable Livelihoods Approach	Akhtar Nazneen
4	जनपदशाहजहांपुरमें 'एकजनपदएकउत्पाद'(ODOP) केस्थानीयशिल्पोंकेविकासकाविश्लेषणात्मकअध्ययन	Mr. Gaya Saran
5	Traditional Idol Making, Its Problem and Prospect: A Case Study of Kumartuli, Kolkata	Dutta Sayan, Das Nilanjana
6	An Overview on the Impact of Geographical Indication (GI) in Promotion and Preservation of Cultural Identity with special reference to Assam and West Bengal	Mandal Swagata, Deka Kaushik Kumar, Das Madhushree
7	The Impact of Agro-based Industry on the Socioeconomic Landscape: A Case Study of Hasanpur Sugar Mill	Tyagi Sushmita, Surbhi, Akarsh Abhishek, Singh A Sunil Kumar
8	A feasibility study for establishing an	Prabodh Das

	ecosystem of ancillary industries by utilizing the petrochemical potential of the major hydrocarbon industries of Assam.	
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Date: 22.01.24 Monday

Time: 4.00 – 5.30 pm

Room: MCB 101 ( Maths)

**Chair:** Prof. A C Mahapatra, Formerly with NEHU, Shillong

**Co-chair:** Dr Dilip Gogoi, Cotton University

Theme 12: Geo-political issues in an interconnected world

Sl. No	Paper Title	Authors
1	Impact of Geopolitical Instability on Escalating Energy Crisis in A Fragmented World Order	Magar Chandra Kala
2	A Critical Review on the Act East Policy: India-Myanmar Border Trade through Arunachal Pradesh	Wangpan Manngam, Saikia Sailajananda
3	Tracing the Spatial Trajectories of ‘Cores’ and ‘Peripheries’ in the Global Trading System	Yadav Purva
4	China's Hydro-Politics: Reshaping Geopolitics and Water Security in South and South East Asia	Saikia Sailajananda, Medhi Bishmita

5.00 pm - 6.00 pm

### **IIG Governing Council Meeting**

Venue- MCB Conference Room Ground Floor

6pm - 7pm

### **Cultural Programme**

Venue: KBR Auditorium

7.00 – 8.00 pm

### **Dinner**

## DAY II

Date: 23.01.24 Tuesday

8.00am – 9.00am

Breakfast

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

### Parallel Technical Sessions III

Room No: MCB 311

**Chair:** Prof A K Bhagabati, formerly with Gauhati University

**Co-chair:** Dr Jonali Saikia Borkakaty, N N Saikia College, Titabar

Theme 1: Agriculture, culture of agriculture, resources management  
and livelihood in the changing environment.

Sl. No	Paper Title	Authors
1	Sustainability of State Organic Mission in Arunachal Pradesh (India): A Critical Assessment Using SWOC Analysis	Sharma Dipak, Saikia Sailajananda, Hagio Habung
2	Entrepreneurship Opportunities in Agriculture Sector in North-East India to Promote Sustainable Development and Green Jobs- A Special Reference to Natural Rubber Plantation	Kumar K. Ashok
3	A Study on Development of Commercial Farming among Sherdukpan Tribe of Shergaon Circle, West Kameng District, Arunachal Pradesh	Kalita Kimmi Kiran
4	How Suitable is the Water Quality for Irrigation: A Study on Chemical Parameter of Water of Safidon Tehsil in Jind District, Haryana	Rathi Manjeet, Rana Arushi, Jaiswal Shresthi, Bisht Urvashi
5	The Spatial and Temporal Pattern of Agricultural Markets Facility in Haryana	Kumar Narender, Jaglan M.S.
6	Assessing the Agricultural Vulnerability in Indian Sundarbans using Geoinformatics	Sardar Rupayan, Roy Soumak, Bhadra Tuhin, Saha Abinit, Mukherjee Kasturi
7	Environmental Implication of Oil Palm Plantation: A critical Review with special Reference to Arunachal Pradesh, India	Hagio Habung, Sailajananda Saikia, Dipak Sharma

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Date: 23. 01.24 Tuesday

Time: 9.00 – 10.30 am

Room: MCB Conference room, ground floor

**Chair:** Prof Bhaswati Das, CSRD, JNU, New Delhi

**Co -chair:** Dr Pankaj Bharadwaj, Govt College, Haryana

Theme 2: Population of India: spatial dynamics and development,  
population and the environment

Sl. No	Paper Title	Authors
1	Subjective Well-Being of Conflict-Affected Population in Kokrajhar District, Assam	Bargayary Naithaog
2	Role of Agro-Based Industries in Controlling Out-Migration and Seasonal Unemployment in Rural West Bengal	Roy Sumana
3	Geographical disparities and correlates of abdominal obesity among women in India: Insights from National Family Health Survey, 2019-21	Ram Sumit
4	Changing dynamics of internal migration in India, 1999-2000 to 2020-21: An Insight from NSS and PLFS Data	Debnath Tania
5	Determinants Influencing the Utilization of Antenatal Care Services among the Tribal Female Tea Garden Workers in Siliguri Sub-Division, Darjeeling District, India	Sikdar Tanusree, Roy Ranjan
6	Marginalization of the Marginalized Kukis in Manipur	Doungel Thangjalen, Purkayastha S
7	Socio-economic Status and Morbidity Pattern among the Elderly People: A Cross Sectional Study in Bankura District, West Bengal	Ujjwal Das and Nishamani Kar

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: Conference room, Physics dept (1st floor)

**Chair:** Prof Sohail Firdos, Sikkim University

**Co-chair:** Dr Ruchika Singh, Allahabad University

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Typology of Market Centers in Yavatmal District: A Geographical Analysis	Rathod H. B., Deshmukh N. T., Dr.Lahane B. T.
2	Major Urban Functions of Shillong Municipality	Syiemlieh Habalawanphaijingmen, Ryngnga P.K.
3	Toward a Sustainable Urban Expansion: A Case Study of Imphal, Manipur	Singh Huirem Gulsun kumar, Singh Khundrakpam Pradipkumar
4	Dynamics and Spatial Distribution Pattern of cycle rickshaw pullers working in Agartala Municipal Corporation Area	Verma James Dev
5	Food Security among Low Income Groups: A Case Study of Guwahati City, Assam	Tamuli Jayeeta, Saikia Gyanashree
6	Air Quality and Pollution in Delhi: A Comprehensive Analysis using Geoinformatics	Das Kaustav
7	Technology Adoption in Industrialisation and Urban Development in Ludhiana, Punjab: A Study on Structural Changes and Wellbeing	Jha Kunal

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: MCB 207 (Education Dept)

**Chair:** Dr Mahfuza Rahman formerly with Cotton College

**Co-chair:** Mr Pinku Choudhury, Assam Skill Development Mission

Theme 11: Flagship development programmes and welfare initiatives in India:  
Social, Economic and Environmental Outcomes

Sl. No	Paper Title	Authors
1	Rural Digital Literacy Programmes of Government of India in Assam: An Analysis on the Outcomes and Challenges in Implementations	Bhuyan Ankita
2	Micro-Credit and Economic Empowerment of Rural Women: A Case Study	Neog Dipalee
3	सिवानजिलेकेगोरियाकोठीविकासखंडमेंमनरेगायोजनाएवं ग्रामीणविकासकाएकविश्लेषणात्मक अध्ययन	Runakant, Rani Sadhana
4	Impact of Mahatma Gandhi National Rural Employment Guarantee Act on Socio-economic Development: A Study in Tirap District of Arunachal Pradesh	Wangsa Sainon Jenny, Singh Nandini C.
5	Impact of Selected Government Welfare Schemes on Empowerment of Women: A Case Study of Taldangra Block in Bankura District of West Bengal	Samanta Suteertha, Chakraborty Aritra

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: Physics junior gallery

**Chair and invited speaker:** Prof Piya Basu Roy, Koch Behar Panchanan Barma University

**Topic:** Emotional Geography: A new Vista

**Co-chair:** Dr Teresa Khawjal, Cotton University

Theme 13: Tourism development and the environment

Sl. No	Paper Title	Authors
1	Tourism, Environment and Sustainability: A Review	Minin Amapsi, Ryngnga Phibankhamti
2	Cultural-Religious Tourism Potential and	Kayal Amrita, DasNilanjana



	Prospects of ‘Dakshin Rai Mandir’ in Dhapdhapi, South 24-Paraganas West Bengal	
3	Evaluation of the Geotourism Potential of Geoarchaeological Heritage Sites in the Vindhyan Range, Devagharh Lalitpur, using SWOT-AHP Analysis	Kumar Anil, Biswas Pranay Kant
4	Tourism and Environment: A Study in Jamugurihat Area of Sonitpur District, Assam	Patangia Arundhuti
5	Tourism Development in Dima Hasao District and Environmental Corollaries	Guite Elis Niengsangkim, Hrangkhoh Neithoilom, Boro Jinti Moni
6	Tea Culture and Tourism: An Analysis of the Tourists’ Perception in Dibrugarh District of Assam	Krishna Priya Gogoi, Rajnayan Gogoi
7	Prospects of Socio-Economic Development through Heritage Tourism- A Study in Sivasagar District, Assam	Krishnamoni Saikia, Bobby Beingachhi
8	Religious Tourism: A Case Study of Select Villages from Haryana	Singh Mehar

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: Conference room, Chemistry dept, second floor

**Chair:** Prof Santanu Sarma, Cotton University

**Co-chair:** Dr. Kalpana R Malvat, N-A & T.V Patel Arts College

Theme 14: Wetland, soil, and hydrology

Sl. No	Paper Title	Authors
1	Groundwater Resource Potentialities and Development Applying Machine Learning Models in Purulia District of West Bengal, India	Ghosh Arijit

2	Assessment of ecosystem service value in deepor beel of kamrup(m) district, assam	Saikia Banashree
3	Morphometric Analysis of Haora River Basin, Tripura, India	Debbarma Bindia, Huda Eahya Al
4	A Study on Changes, Problems and Prospects of Maguribeel, Dibrusaikhowa, Tinsukia, Assam, India	Deka Bishal, Kotoky Mayurakhi, Gogoi Poban
5	Towards Sustainable Water Management: A Groundwater Potential Zonation Study in The Lower Digaru Drainage Basin, Assam	Debasish Chutia, Satyajit Kataki
6	Spatial temporal analysis and trend detection of groundwater level over the Yamunanagar District of North-Eastern Haryana, India	Kumar Deepak, Dr. Kulvinder Kaur
7	Study of Soil Loss and Irrigation Water Quality of Pagladiya River Basin, Assam, India	Baruah Himadri, Patowary Sagarika, Thakur Ritu, Barman Swapnali
8	Evaluation of Linear Aspects Morphometric Parameters of Rihand River Basin, India	Shekher Himanshu, Goswami Kaushlendra Prakash

Date: 23.01.24

Time: 9.00 –10.30 am

Room: Sudmersen Hall

**Chair:** Prof Emerita Pua Bar Kutiel, Ben-Gurion University of Negev, Israel

**Co-Chair:** Hemlata P Patel, SBPU, Pune

Theme 15: Climate change and climate change like situations: trend and challenges

Sl. No	Paper Title	Authors
1	Potentiality of Micro Forests in and around the UrbanCore of Jorhat	Kachari Kaberi Krishna, Basumatari Niharika, Hazarika Prerana, Ligira Protyashi, Sarmah Shyamolee
2	Glacier and Glacial Lake Dynamics in the West Kameng District of Arunachal Pradesh, Eastern Himalayas: A Geoinformatics Approach	Borah Anshuman, Hazarika Nabajit
3	Changing Climate, Adaptability and its	Yadav Atul, Kumari Nidhi

	Impacts on Older Population in Uttar Pradesh	
4	Data Rescue of Observational Meteorological Data in Tea Gardens of Assam	Azusa Fukushima, Taiichi Hayashi, Toru Terao, Fumie Murata, Masashi Kiguchi, Yusuke Yamane, Masahiro Tanoue
5	Variety and Pest Management Strategies for Climate Change Adaptation in Rice Agro-ecosystems of Two Agro-climatic Zones of Assam, India	Kalita Bedabati, Borah Leena
6	Analysing the Variability of Rainfall Patterns and Aerosol Optical Depth in Coal Mining Regions of West Bengal, India through Multivariate Techniques	Biswas Brototi
7	Contemporary glacier change analysis in the chandra basin, western himalaya	Bhagat Ganga Sagar, Saini Rakesh
8	Building Resilience and Adaptation Mechanisms in Response to Climate Change	Singh Gurnam, Rohit

Date: 23.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair:** Dr Minakshi Phukan Hazarika, Jagannath Barooah University, Jorhat

**Co-chair:** Dr Shukla Acharjee, Dibrugarh University

Theme 16: Any other areas that could be related to the theme of the Conference

Sl. No	Paper Title	Authors
1	A Study of Environmental Awareness of Students at Higher Secondary Level	Dalimbe.S. N., Korde. S. M.
2	The Man-Nature Relationship with special reference to Religion	Tayung Dipen
3	Population status of Blyth's Tragopan (Tragopanblythii) in Mehao Wildlife Sanctuary of Arunachal Pradesh.	Tapo Eba, Nimasow Gibji

4	Dibang Multipurpose Project, Arunachal Pradesh: Awareness of the Project Affected Persons Regarding Impacts of Dams	Mimi Esha
5	Dalit's: An Adaptive and Resilient Community: A Case Study in Khulna Region, Bangladesh	Sultana Masuma, Rahman Md Mujibor
6	Decoding the Complexities of the Restless Landscape: A Place-Process Approach of Delineating the Peri-Urban Areas of Varanasi City, India.	Bal Nilanjan
7	Traditional Handicrafts and the Modern Young Domestic Tourists: A Case Study of the Traditional Wooden Toys of Varanasi, India.	Halder Poushali
8	The Role of Physical health on the Quality of life among Older adults in North 24 Parganas: A Rural - Urban Comparison	Das Prakriti, Roy Piyal Basu

10.30 am – 11.30am

### **Plenary Lecture Sessions – I**

Venue: KBR Hall

**Chairperson:** Prof. Bimal Kumar Kar, Gauhati University

#### **Lecture I**

**Speaker:** Professor D.K Nayak, North Eastern Hill University (NEHU)

**Topic:** Rethinking Environmental Language

#### **Lecture II**

**Speaker:** Prof. Shahab Fazal, Aligarh Muslim University

**Topic:** Urbanizing India and Planning Conundrum:  
An Insight into Urban Planning Framework

11.30 am – 11.45 am

Tea Break

11.45 am – 12.30 pm

### **Professor Aijazuddin Ahmad Memorial Lecture**

**Topic:** Geography and Geographers: My 50 Years of Co-wandering

Venue: KBR Auditorium

**Chairperson:** Professor Sohail Hashmi, Social Activist, Author and Historian

**Speaker:** Prof. Atia Habib Kidwai, CSRD, JNU & SPA

12.30 pm – 1.30 pm

### **Parallel Thematic Sessions – II**

Venue: KBR Hall

#### **Lecture I**

Theme: Culture, Environment and Livelihood

**Chairperson:** Prof Ashok K Bora, formerly with Gauhati University

**Speaker:** Prof Mujibor Rahman Khulna University, Bangladesh

Topic: Leadership, Culture and Sustainability

#### **Lecture II**

Theme: Gender and Space

**Chairperson:** Prof Rakhee Kalita Moral, Cotton University

**Speaker:** Dr Rituparna Bhattacharyaa, Senior Fellow, Advanced Higher Education, UK

**Topic:** Mapping the Contours of Human Trafficking

Venue: MCB 311

Theme: Public Policies and Geographies of Social Wellbeing

**Chairperson:** Prof Rajeswari, Kurukshetra University

#### **Speakers**

Dr. Biswajit Kar, APU, Bhopal

Dr. Ruchika Singh, Allahabad University

Dr. Saswati Paik, Azim Premji University, Bangalore

Professor Vijay K Bariak, IGNOU

Professor Sohel Firdos, Sikkim University

1.30 pm – 2.30 pm

#### **Lunch Break**

2.30 pm – 4.00 pm

### **Parallel Technical Sessions –IV**

Date: 23.01.24 Tuesday

Time: 2.30 – 16.00 pm

Room No: MCB 311

**Chair:** Prof M S Jagalan, Kurukshetra University

**Co-chair:** Prof Daisy Das, Cotton University

Theme 1: Agriculture, culture of agriculture, resources management and livelihood in the changing environment

Sl. No	Paper Title	Authors
1	An Understanding of the Factors Driving Agricultural Development in Punjab	Simran, Chauhan Suman
2	Impact of Various Organic Amendments on The Absorption of Heavy Metals by Rice Plant	Baruah Sunitee Gohain
3	Major Crops and its Productivity at a glance of Hooghly District, West Bengal	Das Priyanka, Singh Shikha
4	Agriculture Land Resource Utilization on Peri- Urban Areas of Prayagraj District, Uttar Pradesh	Rachna
5	Role of Agriculture in the Economic Status of Char Farmers of Assam: A Case Study of ArimoraChapori, Sonitpur District	Dutta Niha, Mili Nitashree
6	Spatio-Temporal Analysis of Crop Concentration in Karbi Anglong District, Assam	Basumatary Lwithwma, Teron Sarlongki, Borthakur Palme
7	Integration of SPEI and Machine Learning for Assessing the Characteristics of Draught in the Middle Ganga Plain, an Agro-Climatic Region of India	Barnali Kundu, Narendra Kumar Rana, Sonali Kundu

Date: 23. 01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: MCB Conference room, ground floor

**Chair:** Prof Bimal Kr Kar, Gauhati University

**Co- chair:** Dr Minakshi Phookan Hazarika, Jagannath Barooah University

Theme 2: Population of India: spatial dynamics and development, population and the environment

Sl. No	Paper Title	Authors
1	Migration and its multifaceted effects: A comprehensive review of impacts on Left-behind families and migrants	Kumar Vinay, Kumar Sanjay

2	Geographical and Socio-Demographic factors Associated with Utilization of Full Antenatal Care Services among Scheduled Caste Mothers in India: A cross Sectional Study	Kumar Vineet
3	Unveiling The Socio-Economic Scenerio of Labour Migrants in Jorhat	Bhuyan Sumonpriya, Baruah Barkha
4	छत्तीसगढ़ के दिल्ली-राजहरा खननक नगर रोज़े आप्रवासनसय का आप्रवासप्रननरूप	धनवंत्री एवं सरला शर्मा
5	छत्तीसगढ़ (भारत) के गरयाबा दनजलेमें अनुसूजत नेननाजतये की आजथाक दशा: एक भौगजलकअध्ययन	ममतादेवा गनख सरला शर्मा
6	Sustainability of Seasonal Migration as a Rural Livelihood Strategy in Kalahandi District, Odisha, India	Behuria Bisworanjan
7	Socio-economic status of Muslims in Maharashtra	Patil M.A

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: MCB 207 (Education Dept)

**Chair:** Prof Rejaur Rahman, University of Rajshahi, Bangladesh

**Co-chair:** Dr Dhanjit Deka, Gauhati University

Theme 3: Hazards and disasters: indigenous disaster resilient approaches, policies and programmes of the state

Sl. No	Paper Title	Authors
1	Harnessing Indigenous Knowledge: Exploring the Disaster Resilience Practices of the Mising Community in Assam	Mili Nitashree, Pegu Rajib
2	Potential Flood prone Area Identification and Mapping Using Analytical Hierarchy Process in Bhogdoi Basin of Jorhat District, Assam	Saikia Parboti Poonam and Deka Sujit
3	The Livelihood Vulnerability Index: A Pragmatic Approach to Assessing Risks from Climate Change in the Westernmost Coastal	Mann Rohit, Gupta Anju

	City of Mumbai, India	
4	The Causes and Consequences of Water logging in Satkhira Sadar Upazila, Satkhira	Pop Samsunnahar, Raihan Md Ashik, Ferdous Md Nahid
5	Solar Waste Management in Rural Bangladesh– Policies and Practices	Mallik Akram Hossain, Zahidul Islam, Noim Uddin
6	Hazards and Disasters: Resilience, Policies and Programmes in the state of Assam	Borkakoty Sonmohita, Borkakoty Jonali Saikia
7	Simulating The Effect of Acid Rain on The Durability of Limestone Through Accelerated Weathering Test	Das Sourav, Das Ratan, Mazumder Debasish
8	A Study on the River Bank Erosion and Deposition of the Jidhaal River Basin, Assam, India: Using Geospatial Technology	Pathak Manisha and Prakasam C

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair:** Prof Vijay K Bariak, IGNOU

**Co-chair:** Dr Parijat Borgohain, Cotton University

Theme 4: Gender and space: Physical and institutional environment and gender in India, continuity and change

Sl. No	Paper Title	Authors
1	Place Of Women in Textual Space: A Critical Study of Females in Public Space of Varanasi Through Two Novels	Yadav Khushaboo
2	Importance of Gender and Natural Resources Management for Sustainable Development	M Caroline
3	Socio-Economic Profile of Female Migrants in Itanagar Capital Region (ICR): A Perspective on Gender and Migration in Arunachal Pradesh	Lollen Minjum
4	Gender Difference in Life Satisfaction among Elders Age: A study of Tufanganj Municipal	Datta Nipam, Biswas Sushanta, Barman Dwipen,



	Town, West Bengal, India	Das Bijoy
5	Spatial Study of the Infrastructure of Anganwadi Centres under Integrated Child Development Services: A Cross-sectional Study of Muzaffarpur District, Bihar	Nandan Rahul, Singh Uttara
6	Entrepreneurship and Tribal Women Artisans: A Case Study of Bell Metal Workers of Pichola Village, Arunachal Pradesh	Cheda Rani, NgemuPumung, Saikia Sailajananda
7	An Assessment of Decision-making in Households among Indian Women: A Cross Sectional Study Based on a National Family Health Survey	Deshmukh Riti, Bano Sabina

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: Sudmersen Hall

**Chair:** Prof Dhurbajyoti Sahariah, Gauhati University

**Co-chair:** Dr Avinash Kandekar, SPPU, Pune

Theme 5: Landscape: Forms, processes, changes, and human intervention

Sl. No	Paper Title	Authors
1	Multi Decadal Assessment of Variation in Aquatic Macrophytes and Nutrient Enrichment in Deepor Beel and Chandubi Wetland: A Remote Sensing and Ex-Situ Experimentation Approach	Nath Sabnam, Hazarika Nabajit, Ritse Vimha, Kulnu Amenuo Susan
2	Land as an Identity of Indigenous People: A Study on Land Holding and Administration of Justice of Indigenous People of Assam	Gogoi Bibeka Nanda
3	Lateral Channel Planform Shifting Analysis of Lower Kopili River Section Using Geospatial Technology, Assam, India	Ghosh Shanku, C Prakasam

4	Determining the Hydraulic Geometry Parameters of Kohora River, A South Bank Tributary of Brahmaputra River, Assam	Choudhury Snehasish
5	Roads and Landslides in Garhwal Himalaya: How Developmental Project (Char Dham Project-Kedarnath, Badrinath, Yamunotri and Gangotri in Uttarakhand) Affects Environmental Risk	Saha Soumik, Bera Biswajit
6	Metamorphosis of Land Use in Odisha: An Extensive Investigation of LULC Transformations and their causality from 2017 to 2022	Pradhan Subhendu
7	Evaluation Of Morphometric Indices for Prioritization of Watershed by Adopting Geo-Spatial Techniques: A Study on Puthimari River Basin, Assam, India	Sarkar Pranati, C Prakasam

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: Conference room, Chemistry dept (2<sup>nd</sup> floor)

**Chair:** Prof Sujit Deka, Bodoland University

**Co-chair:** Dr Monjit Borthakur, Cotton University

Theme 6: Management of ecosystems, human activities and the ecosystems:  
adaptation and sustainability

Sl. No	Paper Title	Authors
1	Challenges Faced by the Tribal Livelihoods in the Eastern Ghats, India and the Conservative Measures	Snehanjali Snigdha
2	Eco-tourism and the Political Ecology of Wetland Conservation in Maguri-Motapung	Sutradhar Surajit, Chetia Ranjinee, Borthakur Monjit

	Wetland of Tinsukia district of Assam, India	
3	Vulnerability of Mangroves to Changing Coastal Regulation Zone: A Case Study of Chapora and Sal Rivers of Goa, India	Deshpande Tanvi V., Kerkar Pravina
4	The avifauna of the settlements in Himalayan villages.	Nobuhiro Ohnishi, Shinji Miyamoto, Chandra Prasad Pokhrel
5	Relation of Villages names and Human Ecology in Sadia, Assam, A Toponomic Analysis	Deepa Pradhan
6	An Analysis of Park and People Relationship around Kaziranga National Park: Implications for Conservation and Development	Aastha Borthakur

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: Conference room, Physics dept (1st floor)

**Chair:** Abdul Shaban, Tata Institute of Social Sciences, Mumbai

**Co-chair:** Dr Chandana Sarma, Cotton University

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Liberalization and Urbanization and Associated Changes in the Landuse Landcover in Imphal City, Manipur	Singh Laishram Amitraraj
2	An Assessment of the Groundwater Vulnerability in Guwahati City and its Implications for Human Health	Gogoi Lakhimi
3	Spatial Analysis of the Factors Determining Rental Values in the Hilly City: A Case Study of Aizawl, Mizoram	Hmangaihze Lal, Saitluanga Benjamin L.

4	Concerns of the Urban Street Vendors in the Context of National Policy for Street Vendors, 2014	Das Manoj Kumar
5	Lack of Companionship, Mental State and Well-Being of Ageing Population in Urban Space: A Case of Serampore	Mukhopadhyay Monorisha, Ghosh Ruby
6	Impact of Development-Induced Resettlement on the Occupational Structure of Slum Dwellers: A Case of Cuttack City	Behera Suchitra, Mallick Tanmaya, Daspattanayak Pritirekha

Date: 23.01.24 Tuesday

Time: 2.30 – 4.00 pm

Room: Physics Junior gallery

**Chair:** Dr Rituparna Bhattacharyya, Advaced Higher Education, UK

**Co-chair:** Dr Chandrakala Magar. B Barooah College, Guwahati

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Assessing Urban Mobility and Shortest Path between Green Park and Population Cluster in Kolhapur City, Maharashtra (India)	Patil Prashant, Chougule Vidya, Dhumal Satyavan, Pawar Sagar
2	Post-Global Relevance of the Chicago Classical Models: Study of Urban Morphology of the Gurugram-Manesar Urban Complex	Devi Preet
3	Assessing the Enhanced Livelihood Difference: Ordinary SHG Women and SHG Women under Matir Srishti Scheme	Mandal Rajesh, Mukherjee Sharmistha

4	Cafe Culture: A Unique Third Place for Socialisation in Guwahati City	Bhattacharyya Rashika, Mahanta Anwesha, Borgohain Parijat
5	The Study of Watershed Characteristics of an Urban Hilly Watershed of Guwahati City	Patowary Sagarika, Bhattacharjee Saurav
6	Quality of Life in Urban Slums of Lucknow City	Sakshi, Bano Sabina
7	Multidimensional Poverty in Slums: An Empirical Study from Urban India	Kaibarta Samyakami

Date: 23.01.24 Tuesday

Time: 4.00 – 4.15 pm

TEA BREAK

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

### **MEET THE EDITOR**

Chair: Prof. D.K Nayak

Editor, Transactions (Journal of IIG)

Venue: KBR Hall

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

### **Parallel Technical Sessions V**

Room: MCB 207 (Education Dept)

**Chair:** Prof B S Mipun, formerly with NEHU

**Co-chair:** Dr Niranjan Bhattacharjee, Pandu College

Theme 3: Hazards and disasters: indigenous disaster resilient approaches, policies and programmes of the state

Sl. No	Paper Title	Authors
1	Explosion Hazard in Coal Mines of Assam: A Study of Past Events in the Makum Coalfield	Bhujel Suman, Kar Nishamani

	of Tinsukia District	
2	Impact of Fluoride in Human Health: A Case Study of Rural KarbiAnglong, Assam, India	Chakraborty Harishankar, C Prakasam
3	Flash flood Susceptibility Modelling using Geo –Morphometric Approach in Markand River Basin	Kumar Dinesh
4	Cyclone –Induced Vulnerability and human migration risk in the Indian Sundarbans	Mandal Pintu
5	Unravelling Flood Vulnerability in Guwahati City: holistic Examination using Analytical Heirachy Process and Machine Learning tools	Ankita Tamuli, Ransai Basumatary, Sujit Das
6	Evaluation of land suitability in Siku and Sibia watershed in east Siang District, arunachal Pradesh	Gautam Bikash Jyoti, Sora Tage Rupa, Bhattacharjya Deepjyoti
7	A Study on Indigenous Knowledge And Disaster Resilience of Indigenous Communities Around Burhi Dihing River in Dibrugarh District	Sentinario Hazarika
8	Empowering Resilience: A Guide to Flood Preparedness and Management at the Household Level, Manipur valley, India	Sharma Gurumayum Nilakanta

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair:** Prof Rajeswari, Kurukshetra University

**Co-chair:** Dr Tuhin Kanti Roy, Vidyasagar College

Theme 4: Gender and space: Physical and institutional environment and gender in India, continuity and change

Sl. No	Paper Title	Authors
1	New Perspectives on Young Female Migrants in the District of Mau, Uttar Pradesh	Chauhan Saumya
2	Influence of Employment on Women	Pandey Shrinkhla,

	Empowerment in Uttar Pradesh	Srivastava Shweta, Rai Gayatri
3	Changing Patterns of Participation of Women in the Workforce in Odisha: A Comprehensive Analysis	Panda Sonali, Daspattanayak Pritirekha
4	Geography of Women's Fear at Public Places – A Case Study of Jammu City	Kumari Suman, Badgal Shikha, Gupta Shruti
5	Assessing the Role of Rural Women in Household Food Security for Sustainable Livelihood: A Study on Puruliya District, West Bengal	Das Susmita, Rani Sadhna
6	Recreation and Urban Women: A Micro Level Study from Kolkata	Paul Susmita, Ray Tuhin Kanti
7	Gender Based Violence: A Human Right Issue	Kour Tajinder, Sharma Anuradha, Singh Sarvjeet, Nisha

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: Conference room, Physics dept (1st floor)

**Chair:** Dr Abhijit Sarma, IIBM, Guwahati

**Co-chair:** Dr Siba Sankar Sahoo, Ravenshaw University

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Assessment of Light Pollution in Rajshahi City Corporation Using Remote Sensing Data	Ferdous Md Nahid, Arafat Md Jubaer
2	Estimating Urban Poverty in Guwahati City: A Study Using Multidimensional Poverty Index	Choudhury Namrata, Borgohain Parijat
3	Urban Space and Strategies for Growth of Itanagar Township	Menia Nich
4	Evaluating the Liveability of Urban Centers via Composite Urban Liveability Index (Culi)	Tiwari Niharika, Tripathi Vinod Kumar

5	Impacts of Land Use/Land Cover Changes on Land Surface Temperature over Siliguri City, India	Singha Pallabi, Roy Ranjan
6	Perceptions and Attitudes of Local People on Human-Monkey Conflicts in Shimla City: A Study in Social Geography	Das Pranab Kr.
7	Exploring the Nexus between Wetland Ecosystem Services and Livability: A Case Study of Varanasi City	Kushwaha Prashant, Sanyal Srabani

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: Physics junior gallery

**Chair:** Dr Jayasree Bora, formerly with Cotton College, Guwahati

**Co-chair:** Dr Barnali Sarma, Cotton University

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Geomorphic Impacts and Adaptive Management Strategies for Bandhwari Landfill Site in Gurugram, Haryana	Khanna Sandeep, Chauhan Suman
2	Assessing the Health and Livelihood of E-Rickshaw Drivers: A Case Study of Purulia Municipality, West Bengal	Das Sandip, Paul Kalosona
3	Correspondence between LST, vegetation and built-up area in Itanagar Capital Region (ICR) of Arunachal Pradesh	Patnaik Santanu
4	Shrinking Urban Open Space in Guwahati City: Issues and Challenges	Borah Shilpa, Saha Sourav
5	Measuring The Housing Deprivations in Urban Areas of Uttar Pradesh: A District-Level Analysis	Shiwambhi Rai A



6	Tracking the Trajectory of Sanitation Services in Slums of Delhi	Akarshna Shreya
7	Multi-method Approaches for Measurement of Urban Built-Up Growth in an Industrial City, Eastern India	Patra Sribas, Gavsker Kapil Kumar

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: MCB 311

**Chair and invited Speaker :** Prof. V. Raghavaswamy, Formerly with NRSC (ISRO)

**Topic:** Earth Observation System, Data Analysis, Applications and outlook in Research

**Co-chair:** Dr Chandrakanta Pawe, Gauhati University, Guwahati

Theme 9: Modern geo-spatial techniques in development research in India.

Sl. No	Paper Title	Authors
1	A Study on the Changing Course of the Jiadhal River, India Using GIS	Gogoi Pranamee and Patnaik S. K
2	Land Use and Land Cover Classification and Change Detection Using High Resolution Satellite Data of Sivasagar District, Assam.	Phukon Pratiksha, Wangshimenla Jamir
3	Estimation of Land Surface Temperature (Lst) of Jorhat Town of Assam, Using Geo-Spatial Technology Approach	Buragohain Priya Protushi, Bordoloi Prantik
4	Dynamism of Natural Environment in and Around Tal Chhapar Wildlife Sanctuary	Kumar Ravinder, Jeetendra D. Soni, Nimish Narayan Gautam, Sunita Kumari, Prakhar Purwar
5	Analysis of Land Use and Land Cover Change in Mokokchung District Nagaland	Sentiakum, Yaden Sangyu
6	Remote Sensing and GIS Approach to Study the Impact of Coal Mining on the Changing Natural Landscape in Saleki Proposed Reserve	Borah Shyamal, Borthakur Monjit

	Forest, DehingPatkai Rainforest	
7	An Integrated Multi and Hyperspectral Remote Sensing Approach for Mapping the Iron Ore Deposits in Keonjhar District Odisha, India	Sahoo Smruti Rekha, Mahanta Pankajini and Patra Deepika

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: MCB 116 (Statistics)

**Chair:** Prof Mallik Akram Husain, Jagannath University, Bangladesh

**Co-chair:** Dr Raju Gogoi, Diphu Govt College

Theme 13: Tourism development and the environment

Sl. No	Paper Title	Authors
1	Impact of Tourism on Livelihoods of the Monpa Tribe of Tawang Circle, Arunachal Pradesh: An Appraisal	Yadav Mohit
2	Problems and Prospects River Tourism in Assam: A Tourism Geography Perspective	Mili Monalisha, Saha Sourav
3	Shifting Facets of Tourism- A Post Tourism Era	Rajoria Prastha
4	Impact of Unsustainable Development and Unregulated Tourism on Ecologically Sensitive Zones: A Case Study of Joshimath, Uttarakhand	Kaul Rasika, Pragya Richa, SaprooShivangi
5	Exploring the Ecotourism Paradigm: Mitigating Disadvantages of Traditional Tourism in the Sundarbans, Bangladesh	Sadia Afroj, Islam Sheikh Md. Rabiul

6	Development of Tribal Tourism in Chattisgarh: Prospects and Challenges	Bandhu Sandesh, Sharma Vishwambhar Nath
7	Assessment of Physical Carrying Capacity of A Pilgrimage Destination: A Case Study of Haridwar City	Manglaw Sunil, Jangra Ravinder, Kaushik S.P. and Manoj
8	Assessing the role of women in the tourism sector with special reference to Sonitpur district, Assam	Hazarika Moonlima

Date: 23.01.24 Tuesday

Time: 4.15 – 5.45 pm

Room: Conference room, Chemistry dept, second floor

**Chair:** Dr Pradip Sharma, Formerly with Cotton University

**Co-chair:** Dr Sangeeta Bathakur, Cotton University

Theme 14: Wetland, soil, and hydrology

Sl. No	Paper Title	Authors
1	Property rights and the utilisation of the Morakolongbeel of Morigaon	Bora Himashree, Dr Nitashree Mili
2	Assessment of Groundwater Quality in Guwahati City, Assam, India	Dutta Jayashri, Choudhury Runti
3	Evaluation of Subsurface Water Availability Zonation in Champhai Town, Mizoram, India	Barman Jonmenjoy
4	Soil Health and Crop Productivity of Thoubal District, Manipur, India	Devi Kshetrimayum Zeba, Singh P Robinson, Singh Kh Pradipkumar
5	Prioritization of Sub-watersheds for Identification of Erosion-prone Area based Morphometric Analysis of the Kiile River, Lower Subansiri District, Arunachal Pradesh, India	Ligang Aniya
6	Environmental Appraisal on Shrimp Culture in Indian Sundarban, India	Sarkar Manasree, Mistri Biswaranajan
7	Morphometric Analysis of Chenab River Basin in Jammu and Kashmir: A Geographical Analysis	Navika Shan, Dr. Inder Jeet Singh, Davinder Singh

Date: 23.01.24

Time: 4.15 – 5.45 pm

Room: MCB conference ground floor

**Chair:** Nobuhiro Ohnishi, Kyoto University of Advanced Science

**Co-Chair:** Swapnali Barman, NIH, NERC

Theme 15: Climate change and climate change like situations: trend and challenges

Sl. No	Paper Title	Authors
1	A Spatio-temporal Analysis of Temperature Variability in Kishtwar District: A Signal of Climate Change	Anshu, Tandup Chhering
2	Examination of Caste Dynamics and Climate Vulnerabilities: A Case Study of Scheduled Caste Population Concentration in Disaster-prone Regions of Sagar Island, Indian Sundarbans	Roy Kishore, Sarkar Jay Gopal Nath, Singha Dhiraj
3	Impact of Climate Change and Urbanization on Hydrometeorological Hazards in Mokokchung District of Nagaland, NE India	Latonglila, Rawat M.S.
4	Rainfall Trend Analysis and Drought Identification in Different Agro-climatic Zones of Odisha	Rana Laxmikanta, Mahata Bubun, Sahu Siba Sankar
5	Spatio-Temporal Shifts in Rainfall Seasonality: Case Study of Manipur, India	Abujam Manglem
6	Investigation of the Synergistic Relationship between Urban Heat Island (UHI) and Air Pollutants in Dhaka City, Bangladesh	Rahman Md Mujibor, Rafi S.M. Shams Kahled, Siddika Ayesha
7	Changing Behavior of Plants as Indicators of Climate Change: A Case Study of Upper Siang District	Mumny Panor, Tomo Riba
8	Climate Change Adaptation Through Local Knowledge: A Case Study on Assasuni Upazila of Satkhira District	Ferdous Md Nahid, Aminul Md Aminul, Akter Mst Ayrin, and Hasan MD Ifti
9	Spatio-Temporal Variability of Local Climate Zones in the Context of Pune City	Labani Saha, Avdhut Patil, Amit Dhorde

Date: 23.01.24

Time: 4.15 – 5.45 pm

Room: Sudmersen Hall

**Chair :** Dr Narayan Chetry, formerly with Cotton University

**Co-chair:** Dr Ruchika Singh, Allahabad University

Theme 15: Climate change and climate change like situations: trend and challenges

Sl. No	Paper Title	Authors
1	Trends and Variability of Rainfall and Temperature in Digaru Watershed	Gogoi Narayani
2	Spatio-Temporal Pattern of Bay of Bengal Tropical Cyclones: 1972-2017	Bhardwaj Pankaj and Saharan Sonu
3	Estimating Household Carbon Footprints of Daily Food Products Among the Citizens of Guwahati City	Sahariah Parag Kumar and Borgohain Parijat
4	Climate Change, Floods and Sustainable Management Strategies in Bongaigaon District, Assam	Dutta Pranab and Deka Sujit
5	Long-Term Spatial and Temporal Analysis of Rainfall Trends and Homogeneity Over India (1901-2017)	Dey Priyanka, Deka Kaushik Kumar and Pathak Gitanjali
6	Assessing Climate Change Patterns and Vulnerabilities in Coastal Odisha using Google Earth Engine	Pradhan Pulakesh, Bajpai Ranjana
7	Evaluation of Vegetal Cover Loss and its Impact on Climate Variability in Imphal, using Remote Sensing and GIS Technology	Rajkumari Renubala
8	Gendered Impacts of and Adaptation to Vagaries of Climate: A Case of Makueni County, Kenya	Sachan Ruchi
9	Impact of climate change on some select components of Physical and Man-Made Environment of Sivasagar District, Assam, India: A Geospatial technology based approach	Das Sanjay, Hazarika Madine

Date: 23.01.24 Tuesday

Time: 4.15– 5.45 pm

Room: MCB 312 MBBT

**Chair:** Dr Rupali Phukan Bhuyan, Formerly with Cotton University

**Co-chair:** Chinmoyee Talukdar, Deputy Director, DHE, Govt. of Assam

Theme 16: Any other areas that could be related to the theme of the Conference

Sl. No	Paper Title	Authors
1	Epidemiology of Cancer cases among Women: A Study of Cancer Capital of India	Koiri Priyanka
2	Travel Behaviour of Other Workers (Non-Agricultural) In Odisha: A Comparative Geographical Analysis	Behera Rabi Narayan, Gorle Arunadeep, Paul Sankar, Rout Sasmita
3	The Geographical Indication in India for Creating Regional Growth Potential	Kumar Sanjay, Anjum Mahvish, Chalil Krishnan
4	Infrastructure Growth and Left-Wing Insurgency in Chhattisgarh: An Analysis and Policy Recommendations	Shreya Saha
5	Socio-demographic Factors and undernutrition: A study of Rural Muslim Children in Purulia, West Bengal	Hoque Sk Anamul, Anisujjaman Md
6	Factors contributing to low incidence of Covid-19 in North-East India	Ratan Purnima
7	Location as the Determining Criteria for Availability of the Pro Poor Services: Evidences from West Bengal (Kolkata and South 24 Paragana)	Podder Sanchali Das
8	Geographical Consumer Behaviour: A Comparative Study on Guwahati City and its Suburban Area	Sahariah Bulbul, Gautam Bikash Jyoti

6.00 pm – 7.00 pm

**IIG General Body Meeting**

KBR Auditorium

7.00 pm – 8.00 pm

**Dinner**

**DAY III**

Wednesday 24 January 2024

8.00am – 9.00am

**Breakfast**

9.00am – 10.30 am

**Parallel Technical Sessions –VI**

Date: 24.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: Geography Dept, BKB 2<sup>nd</sup> floor

**Chair:** Prof Polly Vauqueline, Gauhati University

**Co-chair:** Dr Saswati Paik, Ajim Premji University, Bangalore

Theme 4: Gender and space: Physical and institutional environment and gender in India, continuity and change

Sl. No	Paper Title	Authors
1	Inheritance and Land Rights of Tribal Women in North East India	Tejaswita Duarah
2	Women in Commutation: The Challenges and Constraints in the Public Transportation System of KMA, West Bengal	Samanta Triyasa, Ray Tuhin Kanti
3	Reproductive Health Status In West Khasi Hills District	Naphibanbet Syiem

4	Transition of Menstrual Hygiene Practices in India by Using NFHS4 and NFHS5 Data	Das Puja
5	Rape Crime in India: A Spatial Mapping and Analysis using GIS	Ramavtar Jat and Nimisha Dadhich
6	An Assessment of the Health Status and Living Conditions of Nursing Women in Jammu District	Dalotra Rankush Kumar
7	The Unheard Voice of the Society: Understanding the Extent of Social Exclusion and Marginalisation among the Transgenders of Guwahati City from a Geographical Perspective	Preceileena Koch

Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: MCB Conference room, Ground floor

**Chair:** Prof. Miamato Shinji, Okayama University, Japan

**Co-chair:** Dr. Mala Dutta, Cotton University

Theme 7: Rural landscape, developments, and lesser known communities

Sl. No	Paper Title	Authors
1	The Tai Buddhist of Narayanpur, Assam: Unravelling the Khamti Tribe's Migration and Cultural Odyssey	Biswas Naitik Kumar, Saikia Sailajananda, Sharma Dipak
2	Social Setting, Livelihood and Rural Development: A Case Study of Garajan Village, Jorhat, Assam	Sarma Tribeni, Bora Prastuti, Borah Preeti Barsha
3	Multidimensional Poverty and Migration Among Tribal Community in the Rarh Region of West Bengal	Biswas Bapan
4	Socio-Economic Status of the Vantangiya Community through Socio-Economic Index: A Case Study of Gorakhpur District, UP, India	Tripathi Vaibhav
5	Some Observations on Income Generating Activities and its Implementation in Kanyaka Agro-Farm, Jamugurighat, Sonitpur (Assam)	Hoque Rasidul, Sonowal Gulap, Satyendra Hazarika
6	Sustainable Development Planning of the	Deshmukh Sandip N,



	Tribal Villages - A study of Kothale and Kumshet in the Kalsubai Harishchandragad Wildlife Sanctuary, Maharashtra	Jaybhaye Ravindra G, Pandit Anand
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Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: Conference room, Physics dept (1st floor)

**Chair:** Prof Kiran Kumari, Central University of South Bihar

**Co-chair:** Dr Satyedra Hazarika, Darrang College

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Green Space Geographies: An Attempt to Understand the Therapeutic Potential of Urban Green Spaces of Guwahati City, Assam	Ayemi Suli Yohana, Kar Bimal Kumar
2	Lack of and growing demand for common space in Itanagar township	Dominic Tok, Patnaik S.K.
3	Issue of Space for Elderly in Urban India: Recreational space in Delhi NCR	Mukhopadhyay Trisha, Bikramaditya K. Choudhary
4	Level of Socio-Economic Development: A Case Study of Deendayal Upadhyay Nagar (Chandauli District)	Urjaswita, Tripathi Vinod Kumar
5	Assessing Impacts of Changing Urban Environment on Unorganised and Organised Sector: A Comparative Assessment in Delhi	Yadav Sandesh
6	Multi-Criteria Analysis of the Urban Heat Island Effect in Aizawl and Shillong Using the Analytical Hierarchical Process Method	Mr. ZulotoshiImchen
7	Digital Transformation of Food: A Case Study of Consumer Behaviour of Guwahati City of Assam	Bordoloi Jyotishma, Das Madhushree

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Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: Physics junior gallery

**Chair:** Dr Saswati Choudhury, OKD Institute of Social Change and Development

**Co-chair:** Dr Ruma Talukdar, Cotton University

Theme 8: Urban issues and problems, making urban settlements liveable

Sl. No	Paper Title	Authors
1	Land dispossession, Aborted Capital and Unfinished Township in Siliguri, West Bengal	Barman Dhiraj , Sarkar Sudipta
2	Dynamic Trends in Land Surface Temperature and Land Use/Land Cover Transitions in Semi-arid Metropolitan City of Rajasthan	Neha Khajuria
3	Estimation of CO <sup>2</sup> Absorbent by Plants based on Woody Biomass Method at the traffic Intersections of Agartala City	Boral Eshita
4	Assessment of Traffic Signal in Jammu for Sustainable Traffic Management: A Case study of Jammu City	Nagari Sarita, Ekjot kour, Gaggan kumar,
5	The Smart City Mission: A Solution Towards Urban Challenges In Icr (Itanagar Capital Region), Arunachal Pradesh	Marbom Robin, Minjum Lollen and Prof. Nandini C Singh
6	Analysing the Assessment of Urban Evolution and Its Impact on Resource Management in A Metropolitan Region	N. Priyanka

Date: 24.01.24 Tuesday

Time: 9.00 – 10.30 am

Room: MCB 311

**Chair:** Prof Anup Saikia, Gauhati University

**Co-chair:** Dr Pranjit Sarma, Bhattadev University

Theme 9: Modern geo-spatial techniques in development research in India

Sl. No	Paper Title	Authors
1	A New Approach to Assessing the Accuracy of the LULC Classification Using Remote Sensing & GIS in Greater Mumbai, Maharashtra, India	Das Subhankar
2	Assessment of Trophic State Index of Anshupa Lake, Odisha Using Geospatial Approach	Jally Sujit Kumar and Mazumdar Surajit
3	A Geospatial Appraisal of Geo-Tourism of Gangani Badland, West Midnapore, West Bengal	Majumder Trina, Megha Nandi, Soumya, Sankar Mukherjee, Dr. Supratim Karmakar
4	Glacier Inventory, Glacial Cover Mapping and Changes in Arunachal Pradesh, Eastern Himalayas	Ritse Vimha, Hazarika Nabajit, KulnuAmenuo Susan, Jamir Latonglila
5	Assessment of Epidemic Prone Diseases of North East India: A Geospatial and Carto-Statistical analysis	Choudhury Manjeet, Nath Manash J
6	Google Earth Engine based Flood Mapping and Flood induced Landscape Alteration in Barpeta District, Assam	Das Mayuri
7	Spatio-temporal Analysis and monitoring of Changing Land Use and Land Cover (LULC) Patterns, with Special Reference to Glaciers in Northern and Western Sikkim Himalaya, using Geospatial Techniques	Mahalle Sagar Dipak, KandekarAvinash M, Vyas Swapnil S
8	Land Use Land Cover Changes in Rani-Garbhangra Reserve Forest and its Impact on Surface Water Quality: A Geo-informatics and Ex-situ Experimentation Approach	Ghosh Abhishek, Hazarika Nabajit, Ritse Vimha, Kulnu Amenuo Susan
9	Climate Change and Trend Analysis of Temperature in the Northern Slopes of Meghalaya Plateau A Case Study of Ri, Bhoi District	Lyngdoh Andy T.G., Purkayastha Subrata

Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: MCB 207 Education Department

**Chair:** C. Prakasam, Assam University

**Co-chair:** Dr Sagarika Patowary, NERIWALM

Theme 14: Wetland, soil, and hydrology

Sl. No	Paper Title	Authors
1	Land-Use Land Cover Change Detection in Borchola and Goraimari Wetlands of Sonitpur District, Assam, India Using Remote Sensing and GIS Techniques	Hazarika Nayanmoni,
2	Comparative Analysis of Ground Water Potentiality Zone using Fuzzy-AHP and Frequency Ratio Techniques	Saikia Parimita , Bijay Singh Mipun
3	Soil Quality Index in Response to Fertiliser Management Practices in Selected C.D. Blocks of PurbaBardhaman, West Bengal, India	Maji Piyush, Mistri Biswaranjan
4	Water Quality in Some Coal Mining Villages of Kharsang, Changlang District, Arunachal Pradesh	Ngemu Pumung, Sora Tage Rupa
5	Pattern of Soil Quality Index of Agricultural Land near Industrial Sites in Paschim Bardhaman District, West Bengal, India	Mondal Rakhi, Dr Biswaranjan Mistri
6	Flood Frequency Analysis Using Gumbel's Extreme Value Distribution Method in Dikrong River, Arunachal Pradesh, India	Goswami Rashmita, Dr. TageRupaSora
7	Vanishing Springs and their Impacts on Water Security and Rural Livelihoods in the Hill Districts of Assam	Saha Sourav, Ambika Rabha and Amit Kumar Yadav
8	Assessment of Land use Dynamics of Parvati-ArgaRamsar Wetland and its environs in Gonda District, Uttar Pradesh, India	Verma Shivam, Dr. Srabani Sanyal
9	Exploring Socio-Economic and Livelihood Status of Wetland ( <i>Beel</i> ) Dependent Communities in the Nalbari District, Assam, India	Dhanjit Deka Jyoti Prasad Das

Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: Conference Room, Chemistry Department

**Chair and Speaker:** Dr Pankaj Kumar, Delhi School of Economics, Delhi  
University

**Topic:** Modelling hydrological response to land use/land cover changes  
in Lower Son River basin

**Co-chair:** Dr Mayuri Chabukdhara, Cotton University

Theme 14: Wetland, soil, and hydrology

Sl. No	Paper Title	Authors
1	Characterization of Wetlands in Morigaon district, Assam, India using Optical Remote Sensing Techniques	Pator Sidhartha , Raihan Ahmed, Dhrubajyoti Baruah and Atrayee Baruah
2	Geochemical Assessment of Groundwater for its suitability for irrigation in Jorhat and Golaghat Districts of Assam, India	Medhi Smitakshi, Dr. Runti Choudhury
3	The Effect of Agrochemicals on the Quality of Groundwater in Selected Croplands in Six West Assam Districts, India	Sharma Snigdha, Aditya Shankar Kataki, Saytajit Kataki
4	Reviving Wetlands: A Comprehensive Review of the Relationship Between Wetland Health and Livelihoods	Kundu Sonali, RanaNarendra Kumar, Kundu Barnali, Soren Devendra
5	Morphometric Analysis of Umngot River Basin, Meghalaya, India using Geospatial Techniques	Baishya Swarup Jyoti, Ms Diana Dkhar
6	Assessing the Dynamics of Land Use/ Land Cover and its Impact upon the BorsolaWetland of Guwahati City	Phukon Bhargov
7	Estimation of Changing LULC and LST in the Ranganadi Watershed as an Impact of the Panyor Lower Hydro Power Station	Gogoi Rudrakshi
8	Assessment of Spatio-temporal variation in Streamflow and Sediment Discharge of Krishna Basin, India	Jadhav Harshada

Date: 24.01.24 Wednesday

Time: 9.00 – 10.30 am

Room: Sudmersen Hall

**Chair and invited Speaker:** Prof Khin Mar Yee, Yangon University, Myanmar

**Topic:** Analyzing the Evolving Climate of Myanmar and  
Navigating Challenges for Adaptive Resilience

**Co-chair:** Prof Mu Mu Than, Dagon University, Myanmar

Theme 15: Climate change and climate change like situations: trend and challenges

Sl. No	Paper Title	Authors
1	Impact of Climate Change on Traditional Livelihoods in Assam	Kumar Saurabh
2	Construction of Intensity-Duration-Frequency (IDF) Curves with Annual Maxima Precipitation Data: A Case of Study of Gurugram, Haryana	Sherawat Simran, Shekhar Sulochana
3	Long and Short Term Spatio-Temporal Variability and Dynamicity of Rainfall over the Westernmost Part of West Bengal, India using Modified Mann-Kendal Test and Innovative Trend Analysis	Mukherjee Suman, Paul Suman
4	Mitigating Climate-Induced Challenges: Advancing Sustainable Soil Management for Enhanced Rice Cultivation Resilience in Assam	Karmakar Susmita Roy, Kudnar Changdev Kisan
5	Understanding Human Thermal Comfort: A Comprehensive Analysis of Various Indices at Selected Stations of Uttar Pradesh, India	Jadhav Tanmay S, Dhorde Amit G
6	Rainfall Variations of Manas River Basin, Assam, India	Begum Parbin Nahar, Huda Eahya Al
7	Study on the Evolution of Flood Inundation areas in the Asian Monsoon Region and its Factors	<u>Shinji Miyamoto</u> , Eriko Kokumai, Shintaro Uchino, Kazuo Ando MasahiroIchikawa, Keiko Yoshino, Nobuhiro Ohnishi, Kazuyo Minamide
8	Assessing Climate Change Patterns and Vulnerabilities in Coastal Odisha Using Google Earth Engine	Pradhan Pulakesh

9	Spatiotemporal Trend Analysis of Temperature and Rainfall in Uttarakhand, India	Gehlawat Divya , BindhyWasini Pandey
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10.30 am – 11.30am

**Plenary Lecture Sessions – II**

Venue: KBR Hall

**Chairperson:** Professor Atia Habib Kidwai, formerly with CSRD, JNU and SPA

**Lecture I**

**Speaker:** Professor Bhaswati Das, CSRD, JNU

**Topic:** Emerging Population Dynamics and Development in India

**Lecture II**

**Speaker:** Professor Abdul Shaban, Tata Institute of Social Sciences, Mumbai

**Topic:** Digital Geographies: New Mode of Space-Making and Space Relations

11.30 am – 11.45 am.

**Tea Break**

11.45 am – 1.45 pm

**Young Geographers' Competition- Coordinated by IIG**

Venue: KBR Hall CU

Sl.No	Paper Title	Author	Affiliation
1	Comparison of Meteorological, Hydrological and Agricultural droughts for developing a Composite drought index over semi-arid Banas River Basin of India	Divya Saini	Kurukshetra University
2	Agricultural Land use Dynamics in Uttar Pradesh: A Regional Analysis	Md. Aslam	AMU
3	Assessment of Social Vulnerability to Natural Hazards for West Bengal	Jai Gopal Nath Sarkar	CSRD, JNU
4	Sustaining small and marginal farmers through institutionalisation of markets: A study on agriculture and rural development in Jalpaiguri district, West Bengal	Puja Das	Cotton University
5	Assessment of Compressed Natural Gas as an Alternative Transportation Fuel in Agartala: An Environmental Analysis	Bulti Das	Tripura University

6	Analysis of seasonal and annual rainfall trends in Bihar Using Long-term Gridded Data (1951-2022): An integrated Statistical and GIS Models	Amit Kumar	IIT, Indore
7	Factors and processes of Language shift and Maintenance among Kokborok Speakers in Tripura: A Geographical perspective	Sudeshna Debbarma	Tripura University
8	Community, Citizenship and Social Class in Neoliberal Rural Drinking Water Governance	Sonali Bhatia	JNU
9	Spousal Violence in Northeast India: Special Reference to Manipur	Ongtham Kipjen Singh	Manipur University
10	Flood Susceptibility Mapping in Guwahati City: A GIS Based Study Using AHP	Julee Hazarika	Gauhati University

1.45 pm – 2.45 pm

**Lunch Break**

2.45 pm – 3.45 pm

**Panel Discussion**

Venue: KBR Hall CU

**Chairperson:** Professor Sachidanand Sinha, President, IIG

**Co-chair:** Prof. Pua Bar Kutiel, Ben-Gurion University of Negev, Israel

Theme: Society, Culture, and the Environment in an Interconnected World

**Speakers**

Professor Bimal Kumar Kar, Gauhati University, Vice President IIG

**Topic:** Environment and Development in Interconnected World: Emerging Challenges

Professor Tulshi Kumar Das, Shahjalal University, Bangladesh

**Topic:** *Coping and Resilience of the people affected by flash flooding in Bangladesh*

Professor Premangshu Chakrabarty, Vishwa Bharti, WB

**Topic:** *Interconnectedness between place, people and culture: Emotional Geographies for Tomorrow*

Professor B S Mipun, Royal Global University

**Topic:** Flood in Brahmaputra and Rehabilitation issues



Professor Sunil Kumar De, NEHU

**Topic:** *How Sustainable is technological development?*

3.45 pm – 4.00 pm

Tea Break

4.00 – 5.00pm

**Valedictory Function**

Venue: KBR Hall, CU

**Chief Guest:** Dr Arup K Misra, Chairman, Pollution Control Board, Assam

**Guest of Honour:** Prof. Ganesw Chandra Wary, Pro Vice Chancellor, Cotton University

**Invited Guest:** Sri Karunakar Sahoo, NABARD