

# TWO DAYS NATIONAL SEMINAR

*on*

## ‘POPULATION, DEVELOPMENT, AND ENVIRONMENTAL CHALLENGES’

*[To commemorate the Birth Anniversary of Padmabhusan Prof. S.P. Chatterjee]*

**February 24 & 25, 2024**



**Jointly Organised by**

**BANGIYO BHUGOL MANCHA**

*(Regd. No. – S/76955, 1994-95)*

**JALPAIGURI DISTRICT COMMITTEE**

**&**

**DEPARTMENT OF GEOGRAPHY**

**ANANDA CHANDRA COLLEGE, JALPAIGURI**

**Sponsored by**



**Integrated Institute for Advanced Research and Information**



# PROGRAMME SCHEDULE

**VENUE: ANANDA CHANDRA COLLEGE  
JALPAIGURI**

**DAY-1**  
**Date: 24 – 02 – 2024 (Saturday)**

**Registration: 10 am Onwards Department of Geography**

**Inaugural Session 10.30 am – 11.35 am Seminar Cum Conference Hall**

10:30 am –10.40 am	Reception to the Guests
10:40 am-10.50 am	Inaugural song
10.50 am -10.55 am	Formal Inauguration by Lighting Lamp
10: 55 am- 11.00 am	Welcome Address by <b>Sri Prankrishna Manna</b> , President, Organizing Committee
11: 00 am –11.05 am	Address by <b>Dr. Debashis Das</b> , Principal A.C. College
11: 05 am- 11.10 am	Address by <b>Dr. Harprasad Mishra</b> , President, Governing Body, A. C. College
11.10 am- 11.15 am	Address by <b>Dr. Sangita Das</b> , IQAC Coordinator, A. C. College.
11.15 am – 11.30 am	<i>Prof. S. P. Chatterjee Memorial Speech</i> by <b>Dr. Swadesh Mishra</b> , Ex Agricultural Meteorologist and Rainfall Registration Authority of WB.
11:30 am- 11.35 am	Vote of Thanks by <b>Dr. Bipul Chandra Sarkar</b> , Organizing Secretary

**Plenary Session 11.35 am – 1.40 pm Seminar Cum Conference Hall**

<b>Chairperson</b>	<b>Prof. Abani Kumar Bhagabati</b> , Professor (Retired), Department of Geography, Guahati University.
11.35 am - 12.35 pm	Key Note Address by <b>Dr. Debal Deb</b> , Founder Chair, Centre for Interdisciplinary Studies, Barackpore & Founder-Coordinator of <b>Vrihi</b> (the largest non-governmental folk rice gene bank in India)
12: 35 pm – 1.05 pm	Special Lecture on “ <i>Weather and climatic Challenges in Agriculture - How to face it</i> ” by <b>Dr. Swadesh Mishra</b> , Ex Agricultural Meteorologist and Rainfall Registration Authority of West Bengal.
1.05 pm – 1.40 pm	Special Lecture on “ <b>ভারতের জনসংখ্যা বৃদ্ধির প্রভাব ও প্রতিবন্ধকতা: SWOT বিশ্লেষণের মাধ্যমে একটি অন্তর্দৃষ্টিমূলক আলোচনা</b> ” by <b>Prof. Ranjan Roy</b> , Professor, Department of Geography & Applied Geography, North Bengal University.

**1.40 pm - 2.30 pm LUNCH BREAK**

**1<sup>st</sup> Technical Session Seminar Cum Conference Hall**

**Chairperson:** Prof. L.N. Satpati, Professor of Geography, Calcutta University

**Co-Chairperson:** Dr. Debdip Bhattacharjee, Assistant Professor of Geography, Sukanta Mahavidyalaya, Dhupguri

**Session In Charge:** Mr. Subrata Kundu Paul, Department of Geography, A. C. College

**Rapporteur:** Mr. Sanjay Barman, Research Scholar

**Paper Presenters:**

Sl	Name	Topics
1	Gopal Das	Mapping and Monitoring of Land Use and Land Cover Change Using Markov Chain Model and Geospatial Techniques in newly formed Maynaguri Municipality, Jalpaiguri.
2	Mr. Manas Laha	Climate Change: Causes and Impact
3	Mr. Arghya Sur & Tapash Sarkar	Socio economic impacts of newly announced subdivision Dhupguri in Jalpaiguri district, West Bengal
4	Mr. Arghadeep Bose & Dr. Indrajit Roy Chowdhury	Siliguri's Silent Foe: Does Particulate Matter Eclipse the Quality of Air We Breathe? An Exploration of PM2.5 and PM10 through Advanced Time Series and Contemporary Forecasting Models
5	Mr. Juel Bepari, Apurba Barman & Dr. Tarun Das	Association between Working Condition and the Health Status of Cold Storage Workers of Koch Bihar District, West Bengal, India
6	Debasish Roy & Dr. Bipul Chandra Sarkar	Monitoring of Urban Expansion and Land Use / Land Cover Changes in the Siliguri Metropolitan Area
7	Krishnendu Roy & Dr. Bipul Chandra Sarkar	Living on the Edge: Socioeconomic and Political Challenges Faced by Indo-Bangladesh Border Dwellers in Jalpaiguri District, West Bengal.
8	Mr. Ratan Barman	Status of Human Development in Uttar Dinajpur District, West Bengal: A Block Level Appraisal
9	Miss. Priyanka Kundu & Dr. Bipul Chandra Sarkar	Integration of GIS based multi-criteria decision-making approaches to develop land suitability for agriculture: Application to tea cultivation in the region of Jalpaiguri District, West Bengal

## 2<sup>nd</sup> Technical Session GIS Laboratory

<b>Chairperson:</b>	<b>Prof. Ranjan Roy</b> , Professor of Geography & Applied Geography, University of North Bengal
<b>Co-Chairperson:</b>	<b>Mr. Chiranjib Sarkar</b> , Assistant Professor of Geography, A. C. College
<b>Session In Charge:</b>	<b>Mr. Milanmoy Roy</b> , Department of Geography, A. C. College
<b>Rapporteur:</b>	<b>Mrs. Mousona Maitra</b> , Department of Geography, A. C. College

### Paper Presenters

Sl	Name	Topics
1	Mr. Karimul Islam & Dr. Tarun Das	Delineation of Crop Combination, Crop Concentration, and Crop Diversification Regions: A Case Study of Koch Bihar District, West Bengal, India
2	Sanjay Ahir & Dr. Sankar Biswas	Population Growth with Urbanization and Sustainability in India: A Geographical Analysis
3	Ershad Ali, Subrata Kundu Paul & Bipul Chandra Sarkar	Landslide susceptibility map showing the spatial relationship between various landslide factors and landslide using remote sensing and GIS-based Frequency Ratio method in Chamoli district, Uttarakhand, India
4	Rajat Sarkar	Urbanisation development and environment challenges
5	Debarshi Ghosh, Apurba Sarkar & Sanjoy Mandal	Understanding the Spatio-Temporal Dynamics of Vegetation Cover Change (VCC) in the Teesta Basin: A geospatial and Statistical modelling-based investigation of environmental and human factors
6	Abdul Momin Hoque	Farmers' Perception about Sustainable Agriculture and Innovations on Climatic Agriculture - A case Study in Cooch Behar District.
8	Dr. Sanjit Kumar Shilsharma	জলবায়ু পরিবর্তন ও আমরা
9	Gourango Chandra Roy	Geography and Plantation Economy of the Colonial Jalpaiguri: its Historical Significance
10	Biplab Kumar Mohanta & Dr. Sankar Biswas	Tourism Development in Himalayan Foot Hills of Alipurduar District and Contemporary Environmental Issues

## DAY-2

Date: 25 – 02 – 2024 (Sunday)

### Plenary Session 10.30 am – 12.00 noon Seminar Cum Conference Hall

Chairperson	Dr. Debal Deb, <i>Founder Chair, Centre for Interdisciplinary Studies, Barackpore, &amp; Founder-Coordinator, Vrihi.</i>
10.30 am - 11.00 am	Key Note Address by <b>Prof. Abani Kumar Bhagabati</b> , <i>Guahati University.</i> <i>Topic: Population Resource and Development: A Critical Review of their Interrelation and Integration.</i>
11.00 am – 11.30 am	Special Lecture on ‘ <i>Climate Consciousness and Sustainable Livelihood for Regional Development</i> ’ by <b>Prof. L.N. Satpati</b> , Department of Geography, University of Calcutta.
11.30 am – 12.00 noon	Special Lecture on ‘ <i>Modelling and Machine Learning for Observation and Prediction of Earth System</i> ’ by <b>Prof. Soumendu Chatterjee</b> , Department of Geography, Presidency University

### Special Lecture Series 12.00 noon- 1.10 pm Seminar Cum Conference Hall

Chairperson:	Dr. Swadesh Mishra, Ex Agricultural Meteorologist and Rainfall Registration Authority of West Bengal.
--------------	---

#### Paper Presenters:

Sl	Name	Topics
1	Jatishwar Bharati	নদী হত্যার একটি প্রতিবেদন
2	Monotosh Pramanik	Growing tea plantations in North Bengal: Concerning Issues of Environment
3	Labani Paul	স্থলবন্দর চ্যাংড়াবান্ধাতে ক্রমবর্ধমান পণ্য পরিবহন নির্ভরতার ইতিবাচক ও নেতিবাচক প্রভাবক হিসাবে একটি পর্যালোচনা।
4	Gargee Sinha	পাট- পরিবেশ রক্ষায় এক গুরুত্বপূর্ণ অথচ উদ্দেশ্যপ্রণোদিতভাবে অবহেলিত অর্থকরী ফসল।
5	Nilanjan Mistri	তিস্তার চরভূমিতে ট্রাক্টরের অনুপ্রবেশ ও তার প্রভাব।
6	Anuradha Rakshit	Population growth, Resource use, and Environmental Challenges.

### Special Presentation 1:10 pm to 1:40 pm Seminar Cum Conference Hall

Presentation by **Integrated Institute for Advanced Research and Information, Kolkata (IIARI).**

### 1.40 pm - 2.30 pm LUNCH BREAK

**2.30 pm – 4.00 pm      Parallel Technical Sessions****3<sup>rd</sup> Technical Session      Seminar Cum Conference Hall**

**Chairperson:**                      **Prof. Soumendu Chatterjee**, Professor of Geography, Presidency University

**Co-Chairperson:**                **Dr. Debarshi Ghosh**, Assistant Professor of Geography, Dhupguri Girls' College

**Session In Charge:**              **Mr. Krishnendu Roy**, Research Scholar

**Rapporteur:**                      **Miss Priyanka Kundu**, Research Scholar

**Paper Presenters:**

Sl	Name	Topics
1	Mr. Nishikanta Majumdar & Dr. Tarun Das	Land Use & Land Cover Using Remote Sensing & GIS: A Case Study of Zone III of GVMC in Visakhapatnam, Andhra Pradesh
2	Dr. Chiranjib Nad	Are elephant corridors secured? A study through remotely sensed data in and adjoining region of Buxa Tiger reserve, India
3	Sri Rashmi Rai & Sri Nidhi Chick Baraik	Darjeeling as a Tourist Destination
4	Md Rohit & Priyanka Mazumder	Tourism Development in Himalayan Foothills and Environmental Challenges
5	Ms Shayori Halder & Trishna Chhetri	Problem of waste disposal segregation and Management in Siliguri Municipal Corporation.
6	Dipesh Roy & Prof. Deepak Kumar Mandal	Integrating GIS and AHP for Flash Flood Susceptibility Mapping in The Sub-Himalayan Alipurduar District, West Bengal, India: Assessing Vulnerability and Mitigation Strategies
7	Atisha Lama Yolmo	A Study on the Challenges of Urbanisation and Urban Growth in Darjeeling Municipal Area, West Bengal, India
8	Arnab Ghosh & Moumita Kundu	Flood plain inundation analysing through 1D-2D coupling simulation in a sub-catchment basin of Bhagirathi-Hooghly River, West Bengal, India

## 4<sup>th</sup> Technical Session GIS Laboratory

**Chairperson:** Dr. Nita Mitra, Associate Professor of Geography, Siliguri B.Ed. College.  
**Co-Chairperson** Dr. Rupak Kumar Paul, Assistant Professor of Geography & Applied Geography, University of North Bengal  
**Session In Charge:** Dr. Ershad Ali, Department of Geography, A. C. College  
**Rapporteur:** Mr. Debasish Roy, Research Scholar

### Paper Presenters

Sl	Name	Topics
1	Moumita Kundu & Arnab Ghosh	Critical assessment of Bridge Scour in the increasing sedimentation in tropical plateau river basin, West Bengal, India
2	Sadar Shaikh	Education as the Cornerstone of Sustainable Development: A Prospective Analysis for India
3	Dr. Snehasish Saha, Mantu Das & Saidur Rahaman	Catalysmic Glacier Lake Outburst Flood (GLOF) and Human Massacre: A Case Analysis of South Lhonak Lake in Sikkim Himalayas, India
4	Mr. Sanjay Mandal, Dr. Debarshi Ghosh & Dr. Snehasish Saha	Advancement in Basin Morphometrics: Insights and Regression Modelling in the Neora-Mal River Basin
5	Sanjoy Barman & Dr. Bipul Chandra Sarkar	Simulation and prediction of major land use alterations and spatial patterns of urban growth using RS, GIS, and integrated CA-Markov model
6	Mr. Sasthi Mandal	An Account Tourism Circuit Kamarpukur-Joypur-Bishnupur Mukutmonipur and its impact on the Economy of Cottage Industry of Bishnupur Town, West Bengal
7	Miss Anindita Das	Micro plastic pollution in the Terai and Duars region: A review on occurrence and distribution of microplastics in remote areas.
8	Mrs Carol Christine Lepcha & Dr. Debdip Bhattacharjee	Understanding The Role of Favourable factors for the Growth and Distribution of Homestays in the Kalimpong District of West Bengal

## Valedictory Session 4:00 pm to 5.00 pm

**Chairperson:** Mr. Prabir Kumar Sarkar, President, Bangiyo Bhugol Mancha, West Bengal State Committee  
Announcement of Best Paper Awards by Mr. Jatishwar Bharati, Asst. General Secretary, Bangiyo Bhugol Mancha, WB  
Certificate Distribution by Honorable Dignitaries  
Vote of Thanks by Mr. Dipak Sarkar, Secretary, Bangiyo Bhugol Mancha, Jalpaiguri District Committee.

Thank You