

**Department of Science & Technology and Biotechnology,
Government of West Bengal**

Sponsored



NATIONAL CONFERENCE

on

**Geo-spatial Intelligence for Environmental
Hazards and Disaster Management**

March 05, 2022 and March 06, 2022

And

Field Based Workshop at **Gangani Badland– Grand Canyon of Bengal**

**Venue: Auditorium Hall, Raja N. L. Khan Women's College (Autonomous),
Midnapore-721102, West Bengal**



Organized by

**PG Department of Geography
Raja N. L. Khan Women's College (Autonomous)
Gope Palace, Vidyasagar University
Midnapore-721102, West Bengal**

National Conference on Geo-spatial Intelligence for Environmental Hazards and Disaster Management

ABOUT THE SEMINAR

In the 21st century, more population explosion and anthropogenic pressure are vital problems in the global scale and having reflected crucial effects on our environment. Major factors like industrialization, rapid urbanization, deforestation, land degradation, and land-use patterns enhance the negative impacts associated with natural and social hazards. Multiple natural hazards such as Landslide or mudslide (mudflow), Avalanche, Floods and flash floods, Forest or Wildland Fire, Thunderstorms, Lightning, and Tornadoes, Drought, Tropical cyclones are the most devastating natural disasters causing massive damages to natural and man-made features. Natural hazards are a major threat to human life (injure or death of man and animal life), properties (agricultural area, yield production, building, and homes) and infrastructures (bridges, roads, railways, urban infrastructures). The damage that can occur due to such disaster leads to huge economic loss and bring pathogens into urban environments that cause microbial development and diseases. The natural and social hazards are discontinuing the development of human society and sustainability. Therefore, Natural and social hazards susceptibility mapping (risk assessment), modeling is an essential step for the early warning system, emergency services, prevention and mitigation of future environmental and social hazards and implementation of risk management strategies. Due to the lacking of proper information, technology-based policies and strategies the natural and social hazards are not complementary at a satisfactory level.

Geo-spatial intelligence techniques have enjoyed rising interest in recent decades among the earth environmental and social sciences research communities for their powerful ability to solve and understand various complex problems and develop novel approaches toward sustainable earth and human society.

THEMATIC SECTIONS

Section-I: Geo-physical and Tectonics Hazards: Landslides; Earthquake; Land Subsidence; Volcanic Eruption; Shoreline change; Coastal Hazards; River Bank Erosion etc

Section-II: Hydro-meteorological Hazards: Drought and Agricultural Drought; Floods and flash floods; Thunderstorms; Lightning; Tornadoes and Tropical cyclones; Coastal storm surges etc.

Section-III: Environmental Degradation: Industrialization; Rapid urbanization, Deforestation, land degradation; and land-use patterns; Forest or Wildland Fire; Soil Erosion; Groundwater Depletion; Air pollution; Surface and Groundwater Quality Assessment; Groundwater related hazards etc

Section-IV: Bio-physical and Social Hazards: Crime, Poverty, Visceral leishmaniasis, Dengue fever, Malaria etc

Section-V: Application of Geo-spatial techniques for Natural Resources management; Risk reduction strategy and Planning

CALL FOR ABSTRACTS

Abstracts are invited on any of the above theme or related areas. The abstracts should not exceed 500 words, should be typed in double space leaving 2.5 cm margin on all sides in A4 size paper. Minimum of five keywords should be given below the abstract in italics. The font should be Times News Roman in 12 pt. size. The abstract in MS Word format should be sent through e-mail to rajanlkhanwomenscollegegeo@gmail.com / moumitamoitramaiti@gmail.com / pravatgeo2007@gmail.com

Author (s) will be intimated regarding the acceptance of the papers and nature of presentation (oral/ poster) as per decision of the review committee.

Awards will be given for the best oral paper and best poster presentation on each theme areas.

IMPORTANT DATES

Last date for abstract submission: Feb. 25, 2022

Intimation of acceptance of abstracts: Feb. 26, 2022

Last date for Registration: Feb. 28, 2022

REGISTRATION FEE

Registration fee is as under National Conference and Field based Workshop

Research Scholars: ₹ 800/-

Academic Faculty / Scientist/ Professional: ₹ 1000/-

[Registration fees to be deposited by cash at the time of registration]

Name of the Account: IQAC Raja Narendra Lal Khan Women's College

AC No: 17480110090114

IFSC: UCBA0001748

TRAVEL and ACCOMMODATION

The participants have to arrange for their own travel and accommodation expenses. The accommodation will be arranged by the delegates themselves. The organisers will help in getting hotels booked if desired by the delegates.

ABOUT THE INSTITUTE

Raja Narendra Lal Khan Women's College (Autonomous) was established with the blessings and initiative of the the Chief Minister of West Bengal Dr. Bidhan Chandra Roy in the historical Gope Palace of Midnapore in the year 1957. Gope Palace, during the period of Raja Debendra Lal Khan was an important site of freedom movement and was graced by the footprints of stalwarts like Gandhiji, Netaji and Pandit Jawaharlal Nehru. In the ensuing years, the college has registered significant growth in the areas of teaching and research and presently offers 27 subjects at the undergraduate level and 11 subjects at the postgraduate level. It has been accredited as 'A' Grade by NAAC thrice in 2004, 2011 & 2017 and recognized as College with Potential for Excellence (CPE) by UGC in the year 2011. It is funded by Department of Science and Technology (DST-FIST), Govt. of India and Basic Science Research (BSR), UGC. It has been awarded the status of DBTSTAR College in 2014 by Department of Biotechnology, Govt. of India. Recently this college has been conferred “Autonomous” status from the UGC. From the session 2018-2019 Vidyasagar University has kindly approved two Research Centers in “Natural Science” and “Humanities & Social Sciences” for conducting doctoral research in this college. This college has been selected for “Study in India” programme under MHRD, Govt. of India and international student community has been getting the chance to study in this college.

About the Geography Department

The department was initiated with the initiation of the college under the affiliation of University of Calcutta in the year 1957 as Economic Geography offering only General Course until 1961. In 1962, Geography Honours achieved its own identity as a distinct discipline at UG level and the proper foundation of the Department came into being. Late Prof. Sabitri Mukherjee was the founder teacher since its inception. This college is one of those few colleges in the state which offered Geography Honours shortly after the independence of the country. The college was affiliated to Calcutta University until 1985 and it got affiliation to Vidyasagar University in 1986. The Department has grown rapidly since its inception and arrived at the present position.

At present the department caring both Under Graduation and Post Graduation course in Geography and also Post Graduation course in Geography under Netaji Subhas Open University (Distance Programme) and Indian Institute of Remote Sensing Distance Learning Certificate Course (IIRS Outreach Programme), Department of Space, Government of India, Dehradun.

ADDRESSES FOR CORRESPONDENCE

Convener
Organizing Secretary

ORGANIZING COMMITTEE

Chairperson: Dr. Jayasree Laha,
Principal, Raja N.L. Khan Women's College (Autonomous)

Convener: Dr. Bela Das

Organizing Secretary: Dr. Moumita Moitra Maiti and Dr. Pravat Kumar Shit

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Dr. Mrinal Kanti Paria	Mr. Anitabha Ghosh
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Dr. Sujoy Middy	Smt. Arpita Chowdhuri
Sm. Kaberi Murmu	Mr. Subhasis Das
Smt. Samrita Singha	Mr. Soumen Bisui
Shri Sambhunath Roy	Md. Hasanuzzaman
Shri Subrata Patra	

ADVISORY COMMITTEE

Dr. Amiya Kalidaha, Sr. Scientific Officer, Department of Science & Technology and Biotechnology, Govt. of West Bengal
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Prof. Lakshmi Narayan Satpati, Professor of Geography and Director, UGC- Human Resource Development Centre, University of Calcutta

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Prof. Sujit Mondal, Department of Geography, Diamond Harbour Women's University

Prof. Suman Pal, Department of Geography, Sidho-Kanho-Birsha University

Dr. Jatisankar Bandyopadhyay, Deputy Director, Centre for Environmental Studies & Department of RS & GIS, Vidyasagar University,

Dr. Bisajit Mondal, Director, Research Centre, Raja N. L. Khan Women's College (Autonomous)

Dr. Biplab Biswas, Department of Geography, Burdwan University

Dr. Biswaranjan Mistri, Department of Geography, Burdwan University

Dr. PP Ahikary, ICAR-Indian Institute of Soil and Water Conservation (IISWC), Research Center, Sunabeda, Koraput (Odisha), India

Dr. Aznarul Islam, Department of Geography, Alia University, Kolkata

Dr. Subodh Chandra Pal, Department of Geography, Burdwan University

Dr. Dipanwita Dutta, Department RS & GIS, Vidyasagar University

Dr. Biswajit Bera, Department of Geography, Sidho-Kanho-Birsha University

Dr. Tapan Kumar Das, Department of Geography, Cooch Behar College

Dr. Nanda Dulal Das, Civil Service, Government of India

Dr. Somnath Rudra, Department of Geography, Vidyasagar University

Dr. Chalanika Laha Salui, Indian Institute of Engineering Science and Technology, Shibpur

Dr. Prasenjit Acharya., Department of Geography, Vidyasagar University

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&
Field Based Workshop at Gangani Badland
March 06, 2022

REGISTRATION FORM

Delegate details (please use photocopy this form to register additional delegates)

Name:

Designation:

Male / Female:

Organization:

Mailing address:

Phone:

Whatsapp Number:

Email:

Registration Fee: /800/- for Research Scholar) / 1000/- for Faculty/Scientist

Participation in Scientific Session (✓): Day-1 Yes / No

Title of the paper:.....

Participation in the Field Based Workshop at Gangani Badland on 06th March, 2022: Day-2 Yes / No

Date _____

Signature of the participant

Contact Persons:

Shri Sambhunath Roy (Whatsapp: 9609386353)
Shri Subrata Patra (Whatsapp: 7602387341)