

## ORGANIZING COMMITTEE

**Chairperson: Dr. Jayasree Laha**

Principal, Raja N.L. Khan Women's College (Autonomous)

**Convener: Dr. Bela Das**

**Organizing Secretaries: Dr. Moumita Moitra Maiti  
Dr. Pravat Kumar Shit**

**Treasurers: Shri Ranjan Maity and Shri Sudhir Majhi**

**Members:**

Dr. Sukumar Mondal  
Dr. Mrinal Kanti Paria  
Dr. Angsuman Chanda  
Dr. Ajoy Kumar Maity  
Dr. Sujoy Midya  
Sm. Kaberi Murmu  
Smt. Somrita Sinha  
Shri Sambhunath Roy  
Shri Subrata Patra  
Sm. Baisakhi Chakraborty  
Smt. Kakoli Das

## ADVISORY COMMITTEE

Former Emeritus Prof. Rabindranath Chattopadhyay, Regional Development Center, IIT, Kharagpur, India  
Prof. Subir Sarkar, Department of Geography, North Bengal University  
Prof. Giyasuddin Siddique, Department of Geography, Burdwan University  
Prof. Sunando Bandyopadhyay, Department of Geography, University of Calcutta  
Prof. Lakshmi Narayan Satpati, Professor of Geography and Director, UGC- Human Resource Development Centre, University of Calcutta  
Prof. Malay Mukhopadhyay, Department of Geography, Visva Bharati  
Prof. Shri A.K. Kalidaha, Sr. Scientific Officer DST, W.B.  
Prof. Debashish Sengupta, Deptt. of Geology and Geophysics, IIT Kharagpur  
Prof. Ashis Kumar Paul, Department of Geography, Vidyasagar University  
Prof. Narayan Chandra Jana, Department of Geography, Burdwan University  
Prof. Soumendu Chatterjee, Department of Geography, Presidency University, Kolkata  
Prof. Ramkrishna Maiti, Department of Geography, Vidyasagar University  
Prof. Sanat Kumar Guchhait, Department of Geography, Burdwan University  
Prof. Nilanjana Das Chatterjee, Department of Geography, Vidyasagar University  
Prof. B.C. Patra, Department of Zoology, Vidyasagar University  
Prof. Manoj Nanda, Department of Agril. Meteorology & Physics, BCKV  
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. Biswajit Mondal, Director, Research Centre, Raja N. L. Khan Women's College (Autonomous)  
Dr. Partha Pratim Chakravorty, Department of Zoology, RNLKW College  
Dr. Rina Pal, Department of History, RNLKW College  
Dr. Biplab Biswas, Department of Geography, Burdwan University  
Dr. Biswaranjan Mistry, Department of Geography, Burdwan University  
Dr. PP Adhikary, 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  
Dr. Priyanka P. Patel, Department of Geography, Presidency University, Kolkata  
Dr. Gouri Sankar Bhunia, GIS Expert, Jammu City, India  
Mr. Koushik Ghosh, Department of Geography, Vidyasagar University

## THREE DAY NATIONAL CONFERENCE

ON

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

26 & 27<sup>th</sup> March 2020

Venue: Auditorium Hall, Raja N. L. Khan Women's College  
(Autonomous), Midnapore

&

### Field Based Workshop at Gangani Badland 28<sup>th</sup> March 2020

## REGISTRATION FORM

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

Name:

Designation:

Male / Female:

Organization:

Mailing address:

Phone:

Email:

Registration Fee:

## ACCOMMODATION

I want organizing committee to arrange accommodation for me: Yes / No

Participation in Scientific Session:

Title of the

paper:.....

Date \_\_\_\_\_

Signature of the participant

West Bengal Department of Science & Technology  
and Biotechnology (DSTBT) Sponsored



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Midnapore



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Organized by  
PG Department of Geography  
Raja N. L. Khan Women's College (Autonomous)  
Gope Palace, Midnapore-721102, Paschim Medinipur  
West Bengal

## 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 by 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 at the inception 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 under readership of Late Prof. Sabitri Mukherjee, 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). The Department has achieved collaboration programme with the nationally important institute Indian Institute of Remote Sensing and conducting Distance Learning Certificate Course (IIRS Outreach Programme), Department of Space, Government of India, Dehradun. Four fulltime Ph.D. Scholar and two full time project scholar doing their research work under different facilities of the department.

## 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 [rajanlkhawomenscollegegeo@gmail.com](mailto:rajanlkhawomenscollegegeo@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: 18th March 2020

Intimation of acceptance of abstracts: 19th March 2020

Last date for Registration: 25th March 2020

## REGISTRATION FEE

Registration fee is as under National Conference and Field based Workshop

Students (UG/PG): ₹ 500/-

Research Scholars: ₹ 800/-

Academic Faculty / Scientist/ Professional: ₹ 1000/-

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

## TRAVEL and ACCOMMODATION

The participants have to arrange travel and accommodation at their own expenses. The organisers will help in getting hotels booking if desired by the delegates.

## ADDRESSES FOR CORRESPONDENCE

Organizing Secretaries :

**Dr. Moumita Moitra Maiti**

Email : [moumitamoitramaiti@gmail.com](mailto:moumitamoitramaiti@gmail.com)

**Dr. Pravat Kumar Shit**

Email : [pravatgeo2007@yahoo.com](mailto:pravatgeo2007@yahoo.com)

Mobile : 8617395387

## 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, Municipal Waste and Hazard materials etc.

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

**Field Based Workshop at Gangani Badland on 28th March 2020**