



**ASUTOSH
COLLEGE**



**RAMAKRISHNA
MISSION
VIDYAMANDIRA**

ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM

**Contributions of Remote Sensing - Geographic
Information System (RS-GIS) and Artificial
Intelligence (AI) on opening new research
sphere in Biological Sciences**

Organised By

**DEPARTMENT OF ZOOLOGY (UG & PG),
ASUTOSH COLLEGE, KOLKATA**

In collaboration with

**DEPARTMENT OF ZOOLOGY,
RAMAKRISHNA MISSION VIDYAMANDIRA,
BELUR, HOWRAH**

(Our MoU Collaborator)

Friday, 22nd March 2024

**Venue: Ramakrishna Mission Vidyamandira,
Belur, Howrah**



Biological Science is a melting pot of modern technologies. It makes use of them for the expansion of understanding the complex interaction of events. Prediction of future trends in environmental impacts, climate change issues, landscape alterations, health hazards, disease outbreaks, etc. is becoming a hotbed of technology-reinforced research. Artificial intelligence (AI), currently a cutting-edge concept, has the potential to improve the quality of life of human beings. As the field of AI matures with more trained algorithms, the potential of its application in epidemiology, the study of host–pathogen interactions and drug designing and customized medicine has opened new horizons. Precise and advanced diagnosis and cost-effective treatment are some of the biggest goals of AI-based technologies. Similarly, Remote sensing-geographical information systems (RS-GIS) coupled with AI, are contributing immensely to the field of agriculture, predicting seasons, forecasting weather, and increasing output. Moreover, the use of AI through machine learning (ML) and deep-learning-based applications is approaching complex dynamics of the body for example cognitive neuroscience. Collectively we can say, that the coming days are going to be an interdisciplinary confluence of multiple scientific avenues. With this in focus, we are looking forward to creating a forum for discussing these technological interventions in the backdrop of biological sciences in the august presence of all participants.

CALL FOR ABSTRACT

- Students, Research Scholars and Faculty Members are invited to submit abstracts for poster presentation
- Each presenting author is requested to submit only one abstract
- Word limit for abstract: 300 words
- The abstract should be written in Times New Roman 12 font (Normal), Title in 14 font (Bold), Keywords : 4 - 6
- Details of corresponding author should include : Name, E-mail ID and Institutional details
- Abstract should be E-mailed to: zoology.pg@asutoshcollege.in

THEMES

Authors are requested to choose topics for their abstract submission from the themes shared below:-

- Applications of AI in modern day life
- Scope of technologies in Biological Sciences
- Role of AI in patient monitoring, drug discovery & drug delivery
- AI-based predictive modeling for environmental & epidemiological monitoring
- Application of AI in the field of Neuroscience
- Application of Remote sensing & GIS in studying animal distribution, migration ecology & habitat mapping
- GIS & AI in Agroecology, Forestry, Entomology & Fisheries Science
- Role of Artificial Intelligence (AI) in fish growth and health status monitoring
- Role of Artificial Intelligence in Public Health Management
- Remote sensing & GIS in climate change and green cover analysis, monitoring of aquatic ecosystems and assessing the changes

GUIDELINES FOR POSTER PREPARATION

- **Abstract selected for poster presentation shall be informed by E-Mail**
- **Review / Research based posters on the themes mentioned above are invited from UG / PG Students, Research scholars & Faculty members from any discipline belonging to Life Science, Earth Science and Computer Science for participation in the said competition**
- **Maximum of Four students with one faculty member may be the authors for a poster**
- **Participants have to mail their posters to zoology.pg@asutoshcollege.in (.pdf format) against their accepted abstract by March 21**
- **Five (05) best poster presentations shall be rewarded for their outstanding contributions**
- **Poster Size: 2 feet (Horizontal) x 3 feet (Vertical)**
- **Poster Language: English**
- **Participants should carry a valid Photo ID proof**

ONLINE REGISTRATION

- Participants are requested to enroll their names by filling up the following Registration Form by clicking the  button
- Participants are requested to make the payment as per the details of the registration fees shared and keep a copy of transaction details in .jpeg or .pdf format
- The proof of E-payment has to be uploaded while filling up the above registration form

OFFLINE REGISTRATION

Offline registration can be done at the SVRC office of Ramakrishna Mission Vidyamandira in weekdays (Monday to Friday) from 10 a.m. to 4 p.m. from 5th to 19th March 2024.

Contact Person: Milan Mayra, SVRC Office, RKM Vidyamandira
Mobile: +916291130499

IMPORTANT DATES

Online Registration & Abstract Submission
opens on and from - **3rd March 2024**

Last Date for Submission of Abstracts - **16th March 2024**

Notification via E-Mail of Abstracts selected
for poster presentation - **17th March 2024**

Submission of posters in .pdf format - **21st March 2024**

Registration closes on - **21st March 2024**



REGISTRATION FEES

- Faculty Members - Rs. 600/-**
- Research Scholars – Rs. 400/-**
- Student with poster - Rs. 300/-**
- Student without poster - Rs. 250/-**

(Spot Registration shall not be Entertained)

PAYMENT DETAILS



Name of the Account: ASUTOSH COLLEGE
In Favor of: SS-GIS&AI-2024
Name of the Bank: STATE BANK OF INDIA
Branch: Chowringhee
IFSC Code: SBIN0001054
Account No.: 41604003375
Type of Account: Current

PHONE PAY / G PAY / UPI PAY



AsijitRoy



CORRESPONDENCE

**Regarding Registration:
From 10 a.m. to 6 p.m. (Except Holidays)**

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**Regarding Satellite Symposium:
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