



**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) & IQAC,
ASUTOSH COLLEGE, KOLKATA**

In collaboration with

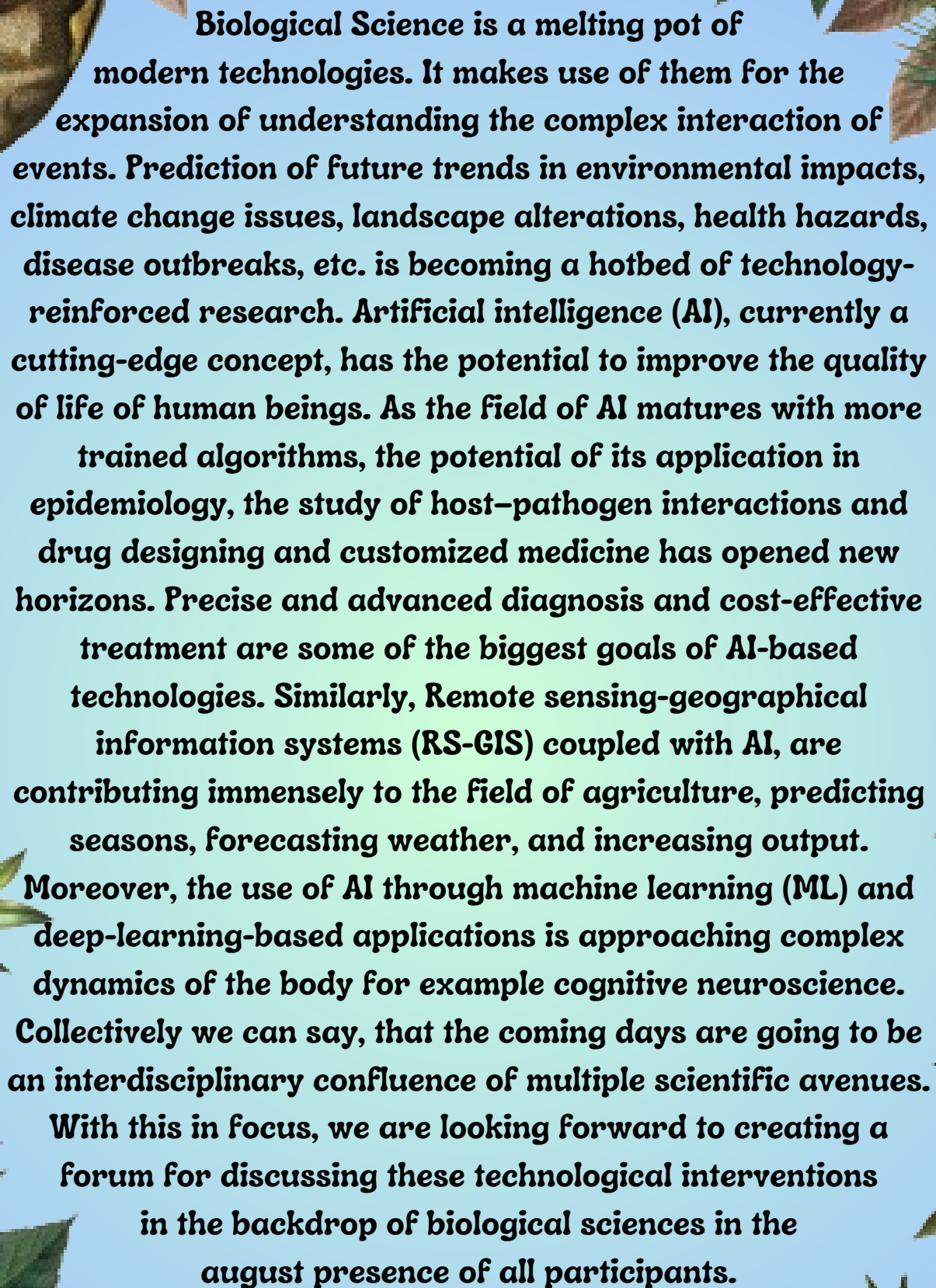
**DEPARTMENT OF ZOOLOGY & IQAC,
RAMAKRISHNA MISSION VIDYAMANDIRA,
BELUR, HOWRAH**

(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.




ANNOUNCEMENT / INVITATION



Department of Zoology (UG & PG), Asutosh college, Kolkata in collaboration with Department of Zoology, Ramakrishna Mission Vidyamandira, Belur, Howrah is organizing a One-Day National Level Satellite Symposium on Contributions of Remote Sensing - Geographic Information System (RS-GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences.

We cordially invite participants including students and faculty members to kindly register themselves for participation in the said event to be held on Friday, 22nd March 2024, at Ramakrishna Mission Vidyamandira, Belur, Howrah.

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**



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



AsjitRoy



GUIDELINES FOR POSTER PREPARATION

- Participants must mail their posters to zoology.pg@asutoshcollege.in (.pdf format) by 20th March, 2024 via email for evaluation of the posters
- Poster Size: 2 feet (Horizontal) x 3 feet (Vertical)
- Participants are requested to carry a printout of their poster (2 feet × 3 feet) for display during the poster presentation session
- Poster Language: English

N.B.:

- Five (05) best poster presentations shall be rewarded for their outstanding contributions
- Participants are kindly requested to carry a valid Photo ID proof

IMPORTANT DATES

Last Date for registration & submission of poster in .pdf format: **20.03.2024 Midnight**

ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM DISTINGUISHED SPEAKERS



DR. ARIJIT BHATTACHARYA

Associate Professor

Department of Biological Sciences

School of Life Sc. and Biotechnology, Adamas University, Kolkata

TOPIC: Application of Artificial Intelligence and Machine Learning in Drug Designing and Vaccine Development



DR. BHEEM DUTT JOSHI

Scientist C

Wildlife Section

Zoological Survey of India, Kolkata

**TOPIC: GIS strategies for effective biodiversity conservation and monitoring:
Integrating spatial representation with biomolecules and movement Patterns**



DR. DIBYENDU DUTTA

Former General Manager and Group Director

NRSC

ISRO, Govt. of India

TOPIC: Application of geoinformatics in biological research and recent advancements.

PROGRAMME SCHEDULE

SESSION	EVENTS	TIMINGS
Registration	Kit Delivery and High Tea	10:00 am
Session 1	Vedic Chanting by students of RKM Vidyamandira	10:30 am
	Inaugural Welcome Address by Swami Mahaprajnananda, Principal, RKM Vidyamandira & Felicitation of our Distinguished Delegates	10:40 – 11:00 am
Session 2	First Speaker ~ Dr. Dibyendu Dutta, Former General Manager and Group Director, NRSC (ISRO, Govt of India) Topic: Application of Geoinformatics in Biological Research and Recent Advancements Session Chairperson: Dr. Subir Chandra Dasgupta, Former - Professor, Department of Zoology, Maulana Azad College, W.B.S.E.S	11:00 – 11:55 am
Session 3	Second Speaker ~ Dr. Arijit Bhattacharjee, Associate Professor, Dept. of Biological Sciences, School of Life Sc. and Biotechnology, Adamas University Topic: Application of Artificial Intelligence and Machine Learning in Drug Designing and Vaccine Development Session Chairperson: Dr. Subir Chandra Dasgupta, Former - Professor, Department of Zoology, Maulana Azad College, W.B.S.E.S.	12:00 – 12:55 pm
Session 4	Third Speaker ~ Dr. Bheem Dutt Joshi, Scientist C, Wildlife Section, Zoological Survey of India Topic: GIS strategies for effective biodiversity conservation and monitoring: Integrating spatial representation with biomolecules and movement Patterns Session Chairperson: Prof. (Dr.) Sumit Home Chaudhuri Professor, Department of Zoology, University of Calcutta	1:00 – 1:55 pm
Session 5	Poster Presentation and Interactive Lunch	2:00 – 4:30 pm
Valedictory	Announcement for Best Poster Presentations Special Guest: Dr. Manas Kabi, Principal, Asutosh College	4:30 – 5:00 pm

ADVISORY BOARD: Ramakrishna Mission Vidyamandira, Belur, Howrah

- **Swami Mahaprajnananda**, Principal, RKM Vidyamandira, Honorary Full-Time Monastic Member, Ramakrishna Mission Vidyamandira
- **Prof. (Dr.) Dinendra Raychaudhuri**, Former Professor, University of Calcutta and Honorary Emeritus Professor, Department of Zoology, Ramakrishna Mission Vidyamandira
- **Prof. (Dr.) Subir Chandra Dasgupta**, Former Professor of Zoology (Retd W.B.S.E.S), Maulana Azad College, Kolkata and Honorary Emeritus Professor, Department of Zoology, Ramakrishna Mission Vidyamandira
- **Dr. Indrashis Banerjee**, Convenor, IQAC & Head, Department of Political Science

ADVISORY BOARD: Asutosh College, Kolkata

- **Prof. Saugata Roy**, MP (Lok Sabha) & President, Governing Body, Asutosh College
- **Dr. Manas Kabi**, Principal, Asutosh College, Kolkata
- **Prof. (Dr.) Sugata Hazra**, Former Professor & Director, School of Oceanographic Studies, Jadavpur University
- **Prof. (Dr.) Sumit Home Chaudhuri**, Professor, Department of Zoology, University of Calcutta
- **Dr. Abhik Kundu**, Associate Professor in Geology and Director, Research and Development Cell, Asutosh College
- **Dr. Sayani Mukhopadhyay**, Associate Professor in Geography and Joint Convener, Committee for Postgraduate Studies, Asutosh College
- **Dr. Keya Ghosh**, Associate Professor in Chemistry and Joint Convener, Committee for Postgraduate Studies, Asutosh College
- **Dr. Sraboni Roy**, IQAC Coordinator, Asutosh College
- **Dr. Rina Kar Dutta**, Teacher's Council Secretary, Asutosh College

ORGANIZING COMMITTEE

- **Dr. Tapan Kumar Roy**, Assistant Professor and Head, Department of Zoology, Asutosh College
- **Dr. Sriparna Datta Ray**, Associate Professor, Department of Zoology, Asutosh College
- **Dr. Deep Chandan Chakraborty**, Assistant Professor, Department of Zoology, Asutosh College
- **Dr. A.R. Md. Mustafizur Rahaman**, Assistant Professor, Department of Zoology, Asutosh College
- **Dr. Subhabrata Ghosh**, Assistant Professor, Department of Zoology, Asutosh College
- **Dr. Satabdi Nandi**, Assistant Professor, Department of Zoology, Asutosh College
- **Smt. Lopamudra Mukherjee**, S.A.C.T. Department of Zoology, Asutosh College
- **Dr. Avijit Dey**, Head of the Department and Faculty, Department of Zoology, RKM Vidyamandira
- **Dr. Avisek Banerjee**, Assistant Professor Department of Zoology, RKM Vidyamandira
- **Dr. Avishek Das**, Assistant Professor Department of Zoology, RKM Vidyamandira

CERTIFICATE COMMITTEE

- **Sri Suman Chongder**, IT Associate, Asutosh College
- **Smt. Amrita Dutta**, IT Associate, Asutosh College
- **Sri Somnath Das**, IT Assistant, Asutosh College

CORRESPONDENCE

**Regarding Satellite Symposium:
From 10 a.m. to 6 p.m.**

**Dr. Tapan Kumar Roy
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Asutosh College
Mobile: 9433239339/ 8777765287**

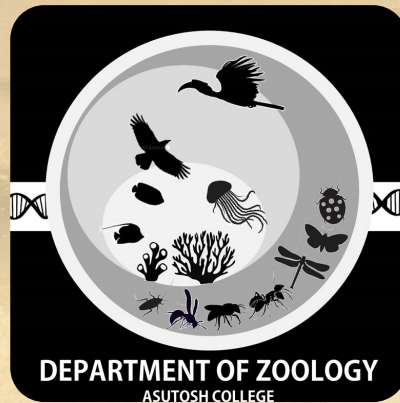
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**For any further details, kindly mail us at
zoology.pg@asutoshcollege.in**



**Kindly visit us at our College website:
<https://asutoshcollege.in>**



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