

First International Conference on Life and Earth Sciences for Sustainable Development (ICLESSD-2025)

Venue: Jagannath University, Dhaka
10-11 Cittaranjon Avenue, Dhaka-1100, Bangladesh

Date
18-19 December, 2025

Theme

Shifting towards a sustainable world: Role of life and earth sciences

Jagannath University: A Tradition of Knowledge Generation

Jagannath University, situated in the heart of Dhaka, is dedicated for intellectual expansiveness, innovative thinking, and freedom to explore new ideas. Established as a school in 1858 and upgraded to a full-fledged university in 2005, Jagannath is infused with the spirit of openness and possibility. Around 638 faculty members across 38 departments under 7 faculties and 2 institutes are devoted in teaching, learning, and research for preparing students as leaders who make a difference globally.



Faculty of Life and Earth Sciences: Advancing Research and Innovation

The Faculty of Life and Earth Sciences, the one of the most dynamic faculties in the university is started its journey in 2011. This faculty offers academic excellence in terms of advancing research and innovation across the broadest array of disciplines, which turns into eight departments: Biochemistry & Molecular Biology, Botany, Genetic Engineering and Biotechnology, Geography & Environment, Microbiology, Pharmacy, Psychology, and Zoology.

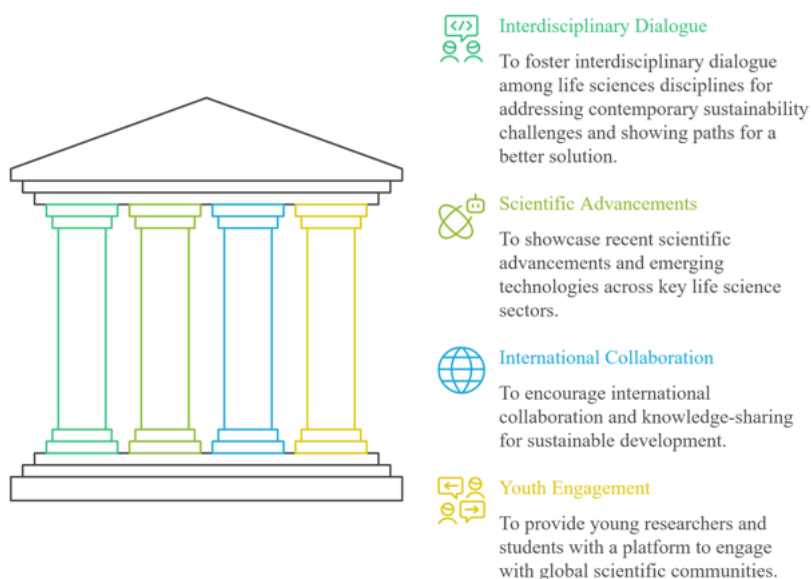
Organized by Faculty of Life and Earth Sciences, Jagannath University

For guideline: Please visit <https://www.iclessd.jnu.ac.bd>

Shifting towards a sustainable world: Role of life and earth sciences

The global pursuit of sustainability demands an integrative, interdisciplinary approach, especially in the life and earth sciences, where environmental health, human well-being, and technological innovation intersect. As climate change, biodiversity loss, disease burden, and food insecurity intensify, collaboration across disciplines is vital to devise sustainable solutions. With the motto “Shifting towards a sustainable world: Role of life and earth sciences,” the Faculty of Life and Earth Sciences at Jagannath University will host the 1st International Conference on Life and Earth Sciences for Sustainable Development (ICLESSD-2025) on 18–19 December 2025, uniting global experts to share innovations and strategies for a sustainable future. The conference will highlight how different sustainability issues are connected and will feature the combined expertise of its eight departments, which focus on areas like biodiversity loss, pollution control, sustainable technologies, microbiome research, precision therapeutics, artificial intelligence and genomics, plant and animal biotechnology, and mental health strategies. All aim at improving resilience, health, and sustainability for both people and the planet.

Conference Objectives



Organizing Committee



Chief Patron
Professor Md. Rezaul Karim, Ph.D.
Vice Chancellor
Jagannath University



Co-Patron
Professor Dr. Sabina Sharmin
Treasurer
Jagannath University



Convener
Professor Dr. Mallik Akram Hossain
Dept. of Geography and Environment
Dean, Faculty of Life and Earth Sciences,
Jagannath University



Co-convener
Professor Dr. Kazi Shakhawath Hossain
Dept. of Botany
Jagannath University



Co-convener
Professor Dr. Samsad Afrin Himi
Dept. of Psychology
Jagannath University



Organizing Secretary
Dr. Md. Rafiqul Islam,
Dept. of Biochemistry and Mol. Biology
Jagannath University

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Keynote Speakers

For Plenary Session- I (Day 1)



Professor Dr. Ardy Ardiansyah
Department of Food Science and
Technology
Acting Head of Institute for Community
Service (LPKM)
Universitas Bakrie, Indonesia

For Scientific Session I (Day 1)



Dr. Md. Tofazzal Islam, FBAS, FTWAS, FAPS
Professor and Director, Institute of
Biotechnology and Genetic Engineering
(IBGE),
Gazipur Agricultural University (GAU)



Dr. Ashraf Dewan, PhD
Director of Research
School of Earth and Planetary
Sciences (EPS) Curtin University,
Australia



Prof. Dr. Abul Kalam Azad
Shahjalal University of Science and
Technology (SUST)



Professor Dr. Samir Kumar Mukherjee
Head, Department of Microbiology
University of Kalyani, West Bengal,
India



Dr. Mohammed Ziaur Rahman
Head, One Health Laboratory
Senior Scientist, IDD Laboratories
International Centre for Diarrhoeal
Disease Research, (icddr,b)



Mustafizur Rahman, PhD
Senior Director (Acting)
Infectious Diseases Division
Head, Virology Laboratory & Genome
Centre Bangladesh (icddr,b)

For Plenary Session- II (Day 2)



Chenhong Li, PhD
Professor
College of Fisheries and Life Science
Shanghai Ocean University, China

For Scientific Session II (Day 2)



Professor Mohammad Tariqur Rahman, Ph.D
Deputy Executive Director (Dev, Research &
Innovation)
International Institute of Public Policy and
Management
Associate Member, UM LEAD
Universiti Malaya, Malaysia



Prof. Md. Sagir Ahmed, Ph.D
Director General, National
Institute of Biotechnology (NIB) &
Professor, Department of Zoology,
University of Dhaka



Dr. Sadhan Das Gupta
Professor, Dept. of Applied Psychology
University of Calcutta
Kolkata, India



Prof. Dr. Adnan Mannan,
Dept. of Genetic Engineering and
Biotechnology, University of Chittagong



Prof. Dr. Zeba Islam Seraj
Dept. of Biochemistry and Molecular
Biology
University of Dhaka and UGC Professor



Prof. Dr. Md. Selim Reza
Dept. of Pharmaceutical Sciences,
Pharmacovigilance and Modern Drug
Discovery University of Chittagong



Prof. Dr. Mo Hoque
Senior Lecturer in Hydrogeology and
Environmental Geoscience,
School of the Environment and Life
Sciences (SELS), University of Portsmouth

Sub-Themes

1

Animal Sciences, Marine Resources and Blue Economy

5

Microbiome and Public Health

2

Biochemistry, Genomics and Bioinformatics in Biosciences

6

Plant based Solutions for Food Security and Sustainable Environment

3

Dynamics of Human Behavior in a Changing World

7

Genetic Engineering and Emerging Technologies

4

Geospatial Dimensions of Sustainable Development: Climate, Cities and Environment

8

Pharmaceutical Sciences, Pharmacovigilance and Modern Drug Discovery

Hotel Information and Reservation

Hotel/Guest House	Single	Double
CARS, University of Dhaka	30 Us Dollars	40 US Dollars
Bangladesh Asiatic Society, Dhaka	1000 taka (BD currency)	-

Participants are requested to complete the enclosed hotel reservation and registration form and return them to the conference secretary along with a deposit equivalent to at least one night's stay, paid in advance or by November 30, 2025. Payment can be made via Demand Draft/Pay Order in favor of the Dean, Faculty of Life and Earth Sciences, Jagannath University, or by transferring the registration fee directly to our bank account.

Name of Account:

International Conference

Saving A/C No. 0200024381804

Agrani Bank PLC, Jagannath University Branch

Routing Number:Bkash No.: 01712793210 (with Bkash expense)

Information for the Sponsors

1. Title Sponsor	8,00,000/- (Eight Lac) Taka
2. Platinum Sponsor	4,00,000/- (Four Lac) Taka
3. Gold Sponsor	3,00,000/- (Three Lac) Taka
4. Back Cover	2,00,000/- (Two Lac) Taka
5. Inside Back Cover	1,50,000/- (One Lac Fifty Thousand) Taka
6. Full Page Advertisement	1,00,000/- (One Lac) Taka
7. Half Page Advertisement	50,000/- (Fifty Thousand) Taka

The names of sponsors will be printed in all publications and banners, and will be acknowledged during the inaugural and concluding ceremonies. Additionally, five participants from Platinum, three from Gold and two from Silver sponsors will be allowed to attend the conference events without registration fees.

Please contact the secretary of the organizing committee for further details.

Preparation of abstract

Each abstract must not exceed 300 words. References should not be cited in the abstract. Authors are requested to follow the submission instructions for the preparation of abstracts. Each abstract should contain title, name of author(s) and their affiliations, introduction, materials and methods, results and discussion.

Preparation of full paper

Selected papers of the conference will be published as a full paper in the special volume of JnU Journal of Life and Earth Sciences. Manuscript should be typewritten in double space with 2.54 cm margins on all sides. The total number of pages should not exceed 15 including tables and figures. Each paper should contain: Title, Name(s), Address(es) of the author(s), Abstract, Introduction, Materials and Methods, Results and Discussion, Acknowledgement (if any) and References.

Instructions for poster

The size of the posters should be 110 x 80 sq cm. Each poster must have a top level indicating the title, the name(s) of the author(s) and their affiliation(s).

Registration Fees

Registration Fees (including Conference Materials, Lunch & Refreshment)	Early Bird	Regular Registration
Student	1000 Tk	1200 Tk
Professional	2500 Tk	3000 Tk
Professional (Corporate)	3500 Tk	4000 Tk
Accompanying Person	2000 Tk	2500 Tk
Foreigner	USD 200	USD 250

Registration

Early Bird Registration
01 November – 07 November, 2025

Regular Registration
08 November – 15 November, 2025

Registration link
<https://www.iclessd.jnu.ac.bd>

City description

Dhaka city is located at approximately 90°23' E longitude and 23°41' N latitude. The climate in December is generally pleasant, with temperatures ranging between 15°C and 20°C and little to no rainfall. Hazrat Shahjalal International Airport is about 20 km from the university campus, and the taxi fare is approximately US \$15.00. The local time zone is GMT+6 hours.

Transport

Delegates coming by air are requested to exit from canopy 1 after immigration and customs formalities. Our volunteers will receive the delegates from that point.

Delegates travelling by bus are suggested to get down at the final destination/stoppage of the respective bus service in Dhaka. Volunteers will receive the delegates at that point.

Abstract Submission Deadline

Abstracts should be submitted on or before **November 07, 2025**.



Abstract(s) submission link



For guideline