

ETSD 2026

2nd International Conference on Engineering and Technology for Sustainable Development

10th & 11th January, 2026

“Innovate, Collaborate, Educate”

□ Research Area

Biomedical Engineering and Bioscience

- ❖ Advances in medical imaging technology
- ❖ Biomedical and health informatics
- ❖ Biomedical signal processing
- ❖ Biorobotics and biomachines

Chemical Engineering and Material Science

- ❖ Biomaterials and bio-sensors
- ❖ Chemical process technology
- ❖ Chemical safety and management
- ❖ Emerging technologies in chemical engineering
- ❖ Nanotechnology and application

Computational Intelligence and Applications

- ❖ Artificial Intelligence and Machine Learning
- ❖ Cyber Security
- ❖ Data Science and Statistics
- ❖ Green software engineering and sustainable computing
- ❖ Intelligent computing
- ❖ Smart Agriculture and IoT

Electrical, Electronics, and Communication Engineering

- ❖ Application of power electronics
- ❖ Distributed power generation and Smart power grid
- ❖ Electronics and communication
- ❖ Power system planning and optimization
- ❖ Renewable Energy Application
- ❖ Sustainable Energy Management
- ❖ Waste-to-energy

Environmental Science and Climate Change

- ❖ Air, water, and soil quality
- ❖ Biodiversity and climate action
- ❖ Disaster and risk management associated with climate change
- ❖ Emerging contaminants and remedial techniques

- ❖ Green technologies for sustainable solutions
- ❖ Remote sensing and resource monitoring
- ❖ Sustainable technology for environmental protection

Mechanical, Industrial and Production Engineering

- ❖ Advanced machinery and automation
- ❖ Cross cutting issues in industrial development
- ❖ Innovative manufacturing technologies
- ❖ Intelligent robotics and control
- ❖ Product control and management
- ❖ Smart supply chain management

Petroleum, Mining, and Ocean Technology

- ❖ Geology, mineralogy, and exploration geochemistry
- ❖ Marine plastic pollution
- ❖ Mining engineering and technology development
- ❖ Ocean technology and blue economy
- ❖ Petroleum geoscience and technology
- ❖ Non-renewable energy

Textile Engineering and Sustainable Technology

- ❖ Composite materials and industrial textiles
- ❖ Fiber science and technology
- ❖ Life cycle analysis and sustainability
- ❖ Modern spinning and weaving technology
- ❖ Sustainable dyes and chemical management
- ❖ Textile chemical and manufacturing processes

Nuclear, Plasma, Radiological Engineering

- ❖ Nuclear fusion, fission
- ❖ Plasma processing and plasma treatment
- ❖ Thin Film Deposition
- ❖ Material Interaction, coating and surface technology



The International Conference on Engineering and Technology for Sustainable Development (ETSD 2026) aims to bring together researchers, engineers, and practitioners worldwide to present and discuss the latest advancements and innovations in emerging technologies. The conference seeks collaboration and knowledge exchange to address global challenges and promote sustainable development. ETSD 2026 targets to provide a platform for interdisciplinary dialogue and to inspire actionable solutions for a sustainable future.

□ Plenary and Keynote Speakers

Speaker 1: Peter Junk, PhD, James Cook University, Australia

Speaker 2: Hiroe Hara, PhD, Kanazawa University, Japan

Speaker 3: Jamal Uddin, PhD, Coppin State University, USA

Speaker 4: M. Jasim Uddin, PhD, SUNY Pol. Ins., USA

Speaker 5: Syed B. Alam, PhD, University of Illinois Urbana Champaign, USA

Speaker 6: Nishat Tasnim Newaz, PhD, Fujita University, Japan

Speaker 7: Tajim Md. Niamat Ullah Akhund, PhD, Toyota Tech. Ins, Japan

Speaker 8: Salim Ahmed, PhD, Memorial University of Newfoundland, Canada

Speaker 9: Saidur Rahman, PhD, Sunway University, Malaysia

□ Submission Guidelines

Abstracts should be composed in English and limited to 300 words. Utilize Times New Roman, 12-point font, with 1-inch (2.54 cm) margins and single-spacing. Ensure the title is concise and in Title Case, with all authors' full names and affiliations listed, designating the corresponding author with an asterisk. The abstract must encompass a brief background, objective, methods, results, and conclusion. Submissions are to be made online in .doc, .docx, or .pdf format, with accepted abstracts published in the conference proceedings, provided the authors register and present at the conference. **Abstracts are submitted online through the submission system below or via email (icetsd@just.edu.bd).**

□ Conference Venue

 **Jashore University of Science and Technology**

□ Organized by



**Faculty of Engineering and Technology (FET)
Jashore University of Science and Technology (JUST)
Jashore-7408, Bangladesh**

Authors	Local	4000 BDT
	International	100 USD
Authors (Student)	Local	2000 BDT
	International	50 USD
Participants	Local	2500 BDT

□ Registration



Organizers
Convener: Md. Amzad Hossain, Dr. Eng.,
Dean, FET, JUST
Co-Convenor: Prof. Dr. S. M. Nur Alam, ChE,
and Prof. Dr. H. M. Zakir Hossain, PME, JUST
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