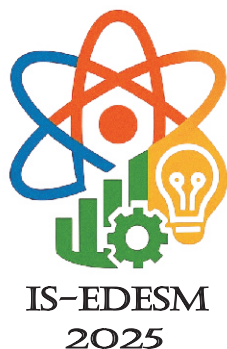




**KUNWAR SATYAVIRA**  
**COLLEGE OF ENGINEERING AND MANAGEMENT**  
&  
**RAJKIYA ENGINEERING COLLEGE, BIJNOR**  
In Association with  
**LINCOLN UNIVERSITY COLLEGE, MALAYSIA**

Organizing  
**INTERNATIONAL SUMMIT**

on  
**Empowering Development through Engineering, Science  
& Management towards Sustainable Future**



**DATE & VENUE**

**7<sup>th</sup> November 2025 at Kunwar Satyavira College of Engineering & Management, Bijnor**  
&  
**8<sup>th</sup> November 2025 at Rajkiya Engineering College, Chandpur, Bijnor**

**Hybrid Mode : Online & Offline**

## About Kunwar Satyavira College of Engineering and Management, Bijnor

### Vision

To transform ignited minds into technocrats, globally competitive, highly skilled with positive mindset, who respect human values and work for the development of the society through learning and knowledge.

## About Rajkiya Engineering College, Bijnor

### Vision

To be recognized as a premier institution in the field of Engineering and Technology, to provide industry ready technocrats with distinctive competence and ethical standards for the development and social welfare of society.

## About Lincoln University College, Malaysia

### Vision

To be an acclaimed institution of higher learning that provides world class education with high capability in providing knowledgeable and skillful professional to serve the global society.

## ABOUT THE SUMMIT

The **International Summit on Empowering Development through Engineering, Science & Management towards a Sustainable Future (IS-EDESM 2025)** is a multi disciplinary platform designed to unite academicians, researchers, industry professionals, innovators, policymakers and students from around the globe. The summit aims to foster collaboration and exchange cutting-edge ideas that address contemporary global challenges through science, engineering and management.

**IS-EDESM 2025** will be conducted under three parallel thematic conferences, each catering to transformative innovations and sustainable practices in key areas of development. The summit will feature keynote addresses from global thought leaders, technical paper presentations, panel discussions, workshops and networking opportunities aimed at driving actionable insights and future-ready solutions.

**International Conference on Empowering Development through Smart Engineering Systems (IC-EDSES- 2025)**

**International Conference on Innovative Business Practices, Digital Transformation of Sustainable Management & Humanities (IC-IBDSMH-2025)**

**International Conference on Sustainable Advances in Biotechnology & Sciences (IC-SABS-2025)**

### Theme of the Summit

**“Bridging Innovation and Sustainability through Engineering, Sciences & Management”**

The theme highlights the importance of integrating interdisciplinary knowledge and innovation to meet global sustainability goals. It underlines a forward-thinking approach where science, engineering and management converge to offer impactful, scalable and sustainable solutions for the world's evolving needs.

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# International Conference on Empowering Development through Smart Engineering Systems (IC-EDSES- 2025)

## About the Conference

The **International Conference on Empowering Development through Smart Engineering Systems (IC-EDSES 2025)** is a pivotal event under the **International Summit on Empowering Development through Engineering, Science & Management towards a Sustainable Future**. It aims to bring together researchers, academicians, industry professionals, policy makers and students to exchange ideas, innovations and experiences related to **smart engineering technologies and sustainable development**.

The conference will serve as a multidisciplinary platform for presenting advanced research, exploring emerging trends and fostering collaboration across sectors. Topics will range from smart infrastructure and Industry 4.0 applications to sustainable energy systems, digital twins, robotics and automation. By promoting innovation and interdisciplinary dialogue, IC-EDSES 2025 aspires to drive the development of intelligent systems that are not only technologically advanced but also environmentally responsible and socially impactful.

## Theme of the Conference

### "Smart Engineering Systems for Sustainable Infrastructure and Industrial Transformation"

In an era marked by rapid technological advancement and pressing environmental challenges, Smart Engineering Systems have emerged as a catalyst for sustainable progress. Integrating digital technologies such as AI, IoT, automation, data analytics and cyber-physical systems, smart engineering systems are redefining how infrastructure is designed, managed and maintained. These systems promise greater efficiency, resilience and sustainability in manufacturing, construction, urban planning, transportation and energy sectors.

The theme emphasizes the convergence of intelligent design, smart manufacturing and digital infrastructure to create adaptive, efficient, and sustainable systems. It invites discourse on innovations that can enhance decision-making, minimize waste, optimize energy consumption and support the transition towards smart cities and sustainable industries.

## Call for Papers

We invite original research contributions and innovative case studies from scholars, professionals and practitioners in the following (but not limited to) areas:

## Thrust Area

### Artificial Intelligence & Machine Learning

- Deep learning architectures & applications
- Reinforcement learning & neural networks
- Explainable AI and ethical considerations
- AI in healthcare, finance and robotics
- Edge and federated AI

### Next-Generation Computing

- Quantum computing
- High-performance computing (HPC)
- Cloud, fog and edge computing
- Software-defined networking
- Green and sustainable computing systems

### Cybersecurity & Privacy

- Threat detection & response
- Cryptography and blockchain technologies
- Secure software engineering
- Cyber forensics and incident response
- Privacy-preserving algorithms

### Data Science & Analytics

- Big data architecture and frameworks
- Predictive analytics and modelling
- Natural language processing
- Data visualization and storytelling
- Real-time analytics & decision support systems
- Artificial Intelligence & Machine Learning

- Sustainable and Green Technologies
- Robotics, Automation and Smart Systems
- Renewable Energy & Energy Management.

### Smart Infrastructure Systems

- Intelligent transportation systems
- Smart cities and urban planning
- IoT and sensor-based infrastructure monitoring
- Sustainable construction materials and technologies
- Digital twins for infrastructure management
- Energy-efficient building design and automation

### Sustainable Manufacturing

- Industry 4.0 and cyber-physical systems
- Additive and hybrid manufacturing
- Green manufacturing and circular economy
- Robotics and AI in production lines
- Smart logistics and supply chain innovation
- Sustainable product design and lifecycle assessment

### Advanced Technologies & Integration

- Machine learning and data analytics in engineering
- Renewable energy systems and integration

- Mechatronics & automation for sustainability
- Cloud & edge computing in manufacturi

### Embedded Systems & Real-Time Applications

- Embedded software and system design
- Microcontroller / microprocessor-based applications
- RTOS, FPGA and ASIC-based systems
- Embedded AI and machine learning

### Internet of Things (IoT) & Cyber-Physical Systems

- IoT architecture, protocols and platforms
- Smart sensors and actuators
- Industrial IoT and IIoT security
- Edge and cloud-integrated IoT solutions

### Power Electronics & Energy Systems

- Power converters, inverters, and drives
- Renewable energy systems integration
- Electric vehicles and battery management
- Smart grids & power quality enhancement

### Control Systems & Automation

- Control theory and intelligent control systems
- SCADA, PLC and industrial automation
- Robotics and mechatronics
- Fault diagnosis and condition monitoring

# International Conference on Innovative Business Practices, Digital Transformation of Sustainable Management & Humanities (IC-IBDSMH-2025)

## About the Conference

The **International Conference on Innovative Business Practices, Digital Transformation & Sustainable Management** is a multidisciplinary event that brings together **academicians, business leaders, policymakers and researchers** to discuss forward-thinking solutions for modern business challenges.

This conference aims to:

- Foster dialogue on how innovation and digitalization are transforming traditional business models.
- Highlight the importance of sustainability as a core pillar of business strategy.
- Explore cutting-edge technologies and practices in digital business, finance, supply chain, marketing and HR.
- Promote collaboration among stakeholders for inclusive and sustainable economic development.

As businesses worldwide face increasing pressure to remain competitive, reduce environmental impact and improve social outcomes, this conference provides an ideal platform to understand how integrating innovation, digital technologies and sustainability can ensure strategic agility and organizational resilience.

## Theme of the Conference

### "Driving the Future: Innovation, Digitalization and Sustainability in Business Management"

The theme of the conference reflects the dynamic evolution of modern businesses, emphasizing the critical integration of **innovation, digital technologies** and **sustainable practices**. In an era shaped by Industry 4.0, climate change and rapid digital disruption, organisations must adopt agile strategies that harness digital transformation and promote responsible management.

This theme highlights how **emerging technologies** are reshaping business processes, customer engagement and value creation. Simultaneously, it addresses how **sustainable management practices**, including green finance, ethical governance and circular economy models are key to long-term success and resilience. The goal is to create a knowledge-sharing platform for pioneering thought and actionable strategies that can shape **future-ready organisations**.

## Call for Papers

We invite **original research papers, conceptual papers, case studies and industry white papers** from scholars, practitioners and professionals on the following broad tracks (but not limited to):

## Thrust Area

### Business Innovation & Emerging Models

- Innovation management and entrepreneurship
- Agile organizations and digital startups
- Design thinking and lean innovation
- Business model innovation & value proposition design
- Platform economy & gig models

### Digital Transformation

- AI, IoT, Blockchain in business
- Business analytics and data-driven decision-making
- Cloud computing and digital infrastructure
- Cybersecurity and digital governance
- E-commerce, FinTech and digital payments

### Sustainable and Responsible Management

- ESG (Environmental, Social, Governance) frameworks
- Corporate social responsibility (CSR) and ethics
- Sustainable supply chains and logistics
- Green marketing and sustainable branding
- Circular economy and resource efficiency

### Functional Transformation in Business

- HR transformation and future of work
- Digital marketing and customer experience
- Financial innovations and risk management
- Strategy and change management in the digital era
- Operations excellence & total quality management

### Humanities

- Language, Literature and Communication
- Philosophy and Ethics
- History and Identity
- Sociology and Social Change
- Psychology and Human Behavior
- Education and Pedagogy
- Political Science and Governance
- Human Rights and Social Justice
- Globalization and Cultural Transformation
- Law, Society and Public Policy
- Art, Aesthetics and Visual Culture



# International Conference on Sustainable Advances in Biotechnology & Sciences (IC-SABS-2025)

## About the Conference

The **Conference** is a prestigious academic event that brings together a global community of researchers, educators, industry professionals and policy-makers dedicated to exploring **cutting-edge developments in Sciences and Biotechnology**.

In a world facing unprecedented challenges such as emerging diseases, climate change, population growth and diminishing natural resources, the role of **Science and Biotechnology** is more critical than ever.

## Theme of the Conference

### **"Innovating Life: Interdisciplinary Approaches in Sciences and Biotechnology"**

The modern era of science is witnessing a paradigm shift, where **interdisciplinary research** is no longer an option but a necessity. The convergence of Biotechnology & Science with fields such as materials science, computational modeling, data science, nanotechnology and environmental engineering is redefining how we understand life processes and solve complex global challenges.

This year's theme, *"Innovating Life: Interdisciplinary Approaches in Sciences and Biotechnology,"* highlights the importance of **collaborative, cross-disciplinary innovations** in transforming the fields of medicine, agriculture, industrial processes and ecological sustainability.

The theme emphasizes:

- **Integration** of diverse scientific disciplines to create holistic solutions.
- **Innovation** through collaborative research and application-driven discoveries.
- **Impact** on real-world problems such as disease diagnostics, food security, clean energy and environmental health.

It encourages scientists, technologists and thought leaders to break disciplinary boundaries, explore shared methodologies and translate research into meaningful societal benefits.

## Call for Papers

Researchers, academicians, professionals, and students are invited to submit original research papers, case studies and review articles aligned with the theme of the conference. Submissions should highlight interdisciplinary approaches, novel methodologies and impactful applications in biosciences and biotechnology.

## Thrust Area

### **Molecular & Cellular Biosciences**

- Genomics, transcriptomics and proteomics
- Molecular biology and gene editing (CRISPR, RNAi)
- Cell signaling and synthetic biology
- Stem cell and regenerative medicine

### **Applied Biotechnology**

- Agricultural and plant biotechnology
- Industrial enzymes and fermentation technology
- Food biotechnology and nutraceuticals
- Bioenergy and sustainable technologies

### **Health Sciences & Medical Biotechnology**

- Biomarkers and drug discovery
- Diagnostics and personalized medicine
- Vaccine development and immunotherapy

- Microbiology and infectious diseases

### **Interdisciplinary and Computational Approaches**

- Bioinformatics and systems biology
- Nano biotechnology and materials science
- Environmental biotechnology and bioremediation
- AI, machine learning and modeling in life sciences

### **Sciences**

- Applied physics and chemistry
- Life sciences
- Mathematical modeling and simulations
- Public health and community medicine
- Pharmaceutical sciences
- Agriculture

## IMPORTANT DATES

Last Date of Registration  
**18<sup>th</sup> Oct 2025**

Last date of Abstract submission  
**25<sup>th</sup> October 2025**

Manuscript Submission  
**1<sup>st</sup> November 2025**

Summit Dates  
**7<sup>th</sup> & 8<sup>th</sup> November 2025**

## REGISTRATION FEE

Faculty/Academician  
**INR 1,500**

Research Scholar  
**INR 1,000**

Industry Delegates  
**INR 2,000**

UG/PG Students Attendees  
**INR 500**

International Participation  
**USD 25**

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**Registration fee includes access to all the online/offline sessions & participation certificate**

## INSTRUCTIONS FOR AUTHORS

- Authors must Submit an Abstract written in English (Font type Times New Roman and size 12, typed) single spaced on standard A4 sized paper.
- The abstract should not be more than 300 words.
- The title should be precise, short and informative. It should be followed by author's names and their affiliation.
- The abstract template can be downloaded from the website.
- The paper presenter name must be indicated by asterisk (\*) symbol.
- Registration form is available at the following link : <https://forms.gle/FYWrSJHJVT3xLSS6A>

## FULL-LENGTH MANUSCRIPT

- Selected full length peer reviewed articles will be published in Scopus/WoS indexed Conference Proceedings/Journals.
- Additional charges will be apply for the publication.
- Authors are requested to submit full length paper as per the Journal's format. The format of camera-ready-paper will be shared soon on website.

## CONTACT

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