



**KALINGA
UNIVERSITY**

In Association With

Govt. J. Yoganandam Chhattisgarh
College, Raipur



**FACULTY OF SCIENCE
ORGANISES**

INTERNATIONAL CONFERENCE SCISUSTAIN 2025:

**FOSTERING SUSTAINABLE DEVELOPMENT
THROUGH INTERDISCIPLINARY
SCIENTIFIC RESEARCH**



2nd ANNOUNCEMENT

 **17TH-18TH SEPTEMBER 2025**



MODE - HYBRID

ABOUT KALINGA UNIVERSITY

Kalinga University, Naya Raipur, is NAAC accredited University and the only Private University in Chhattisgarh ranked in the Top 101-150 Universities in NIRF Ranking 2024 for the third year in a row. It has emerged as a centre of excellence in higher education in Central India. Strategically located in the Smart City of New Raipur, this University has started carving a niche for itself in the education domain and is rising as a shining star on the horizon of quality education.

Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Burundi, Cameroon, Congo, Gambia, Ghana, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Mozambique, Namibia, Nepal, Nigeria, Papua New Guinea, Rwanda, Somalia, South Korea, South Sudan, Sudan, Swaziland, Syria, Tanzania, Uganda, Zambia, Zimbabwe, etc., have chosen this University for their education and career.

Currently, the University is serving the student community through various schools offering UG and PG programs, namely Arts & Humanities, Biotechnology, Commerce & Management, UX Design, Engineering, Fashion Design, Information Technology, Interior Design, Journalism & Mass Communication, Law, Library Science, Pharmacy, Science, Education and Yoga. It also has a centre for Doctoral Research Programmes in various fields.

ABOUT CHHATTISGARH

Located in central India, Chhattisgarh is a densely forested state renowned for its stunning natural beauty, historic temples and breathtaking waterfalls. Near the capital city, Raipur lies the charming town of Sirpur, situated on the banks of the Mahanadi River. Here, the magnificent red-brick Lakshmana (Laxman) Temple stands adorned with intricate carvings inspired by Indian mythology. The majestic Chitrakote Falls, one of India's most spectacular waterfalls, is located to the northwest.

Chhattisgarh is rich in mineral resources and is a leading producer of coal, iron ore, and dolomite. The state is also home to significant reserves of bauxite, limestone and quartzite. Notably, Chhattisgarh accounts for an impressive 35.4% of India's tin ore reserves and is the only state in the country to produce tin concentrates.

SCOPE OF SCISUSTAIN 2025

The international conference on "Fostering Sustainable Development through Interdisciplinary Scientific Research" aims to bring together researchers, scientists, policymakers, industry experts and stakeholders from Botany, Zoology, Biochemistry, Bioinformatics, Biotechnology, Forensic Science and Microbiology to share knowledge, expertise and innovative solutions for achieving sustainable development.

The conference will provide insights into the United Nations' Sustainable Development Goals (SDGs), focusing on how applications and emerging strategies of life science research can contribute to achieving these goals, particularly in addressing global challenges such as:

- Poverty and hunger
- Clean water and sanitation
- Affordable and clean energy
- Decent work and economic growth
- Climate action and environmental sustainability

CALL FOR PAPERS

SciSustain 2025 invites full-length, original research papers and review articles from academia, research and development organisations and industry professionals from India and abroad. Papers should be original and not have been published or be under review in any journal or conference proceedings. Papers should be submitted in the following thrust areas (though not limited to):

Here are two sub-themes for each of the conference tracks:

THEME 1: BRIDGING SCIENCE, SOCIETY AND SUSTAINABILITY: INNOVATIONS FOR A BETTER WORLD (SDG - 9 & 17)

- Science Communication for Social Impact: Exploring effective strategies for communicating scientific knowledge to diverse audiences and promoting sustainable practices.
- Sustainability Policy and Governance: Analysing the role of policy and governance in promoting sustainable development and addressing global challenges.

THEME 2: GREEN TECHNOLOGIES: MICROBIAL AND PLANT-BASED SOLUTIONS FOR A SUSTAINABLE PLANET (SDG - 2 & 6)

- Microbial Biotechnology for Environmental Remediation: Investigating the potential of microorganisms in cleaning pollutants and restoring ecosystems.
- Plant-based Solutions for Sustainable Agriculture: Exploring the use of plant-based technologies to improve crop yields, reduce chemical usage and promote sustainable agriculture practices.

THEME 3: HEALTHCARE, PUBLIC SAFETY AND FORENSIC MEDICINE: INNOVATIONS FOR SUSTAINABLE SOCIETIES (SDG - 3 & 16)

- Medicine Meets Justice: Forensic Nursing and Medicine for Sustainable Healthcare and Public Safety.
- Disaster Response and Toxic Threats: Innovative Forensic Strategies for Sustainable Healthcare and Emergency Preparedness.

THEME 4: LIFE SCIENCES IN THE DIGITAL ERA: FUTURE DIRECTIONS AND OPPORTUNITIES (SDG - 4 & 9)

- Artificial Intelligence in Life Sciences Research: Discussing the applications of AI in life sciences, including data analysis, drug discovery and personalised medicine.
- Digital Health and Telemedicine: Examining the impact of digital technologies on healthcare delivery, patient outcomes and healthcare systems.

THEME 5: MULTIDISCIPLINARY APPROACHES TO SUSTAINABILITY: BIO-INNOVATION AND EMERGING TECHNOLOGIES (SDG - 9 & 17)

- Bio-inspired Solutions for Sustainable Development: Exploring the potential of bio-inspired technologies to address global challenges, such as climate change and resource depletion.
- Convergence of Biotechnology and Nanotechnology: Investigating the intersection of biotechnology and nanotechnology, including applications in medicine, energy and environmental sustainability.

THEME 6: ONE HEALTH: UNITING HUMAN, ANIMAL AND ENVIRONMENTAL SCIENCES FOR GLOBAL WELL-BEING (SDG - 3 & 15)

- Zoonotic Diseases and Global Health Security: Discussing the threat of zoonotic diseases and the need for interdisciplinary approaches to prevent and respond to outbreaks.
- Environmental Determinants of Human and Animal Health: Examining the impact of environmental factors, such as climate change and pollution, on human and animal health.

THEME 7: POLICY, EDUCATION AND CAPACITY BUILDING FOR FUTURE-READY FORENSIC SCIENCE (SDG - 4 & 17)

- Future-Proofing Forensics: Strengthening Education, Training and Interdisciplinary Research for Global Challenges.
- Digital Literacy and Cyber Ethics: Building Public Awareness and Capacity for Sustainable Forensic Practices.

THEME 8: SMART INNOVATIONS: INTERSECTION OF BIOLOGY, ENGINEERING AND TECHNOLOGY (SDG - 7 & 9)

- Biosensors and Bioelectronics for Healthcare Applications: Exploring the development and application of biosensors and bioelectronics in healthcare, including diagnostics and therapeutics.
- Synthetic Biology and Biodesign: Investigating the design and construction of new biological systems, including genetic circuits and biological pathways.

THEME 9: SUSTAINABLE DEVELOPMENT: INNOVATIONS IN HEALTH, AGRICULTURE AND RENEWABLE ENERGY (SDG - 2 & 7)

- Renewable Energy Technologies for Sustainable Development: Discussing the potential of renewable energy sources, such as solar and wind power, to promote sustainable development.
- Sustainable Agriculture Practices for Food Security: Examining the impact of sustainable agriculture practices, such as organic farming and agroforestry, on food security and environmental sustainability.

THEME 10: SUSTAINABLE FUTURES: INTEGRATING AI, NANOTECHNOLOGY AND GENOMICS FOR A BETTER TOMORROW (SDG - 7 & 13)

- AI-driven Genomics for Personalized Medicine: Exploring the potential of AI-driven genomics to revolutionise personalised medicine and healthcare.
- Nanotechnology for Sustainable Energy and Environment: Investigating the applications of nanotechnology in sustainable energy and environmental sustainability, including energy storage and water purification.

THEME 11: SUSTAINABLE JUSTICE AND SECURITY: INNOVATIONS IN FORENSIC AND DIGITAL SCIENCES (SDG - 16 & 17)

- Digital Trails and Forensic Clues: Leveraging AI, Blockchain and Digital Forensics for Sustainable Justice.
- Cybersecure Justice: Developing Ethical and Legal Frameworks for Digital Evidence and Forensic Investigations.

THEME 12: SYNTHETIC BIOLOGY AND PRECISION ENGINEERING: TRANSFORMING THE FUTURE OF LIFE SCIENCES (SDG - 3 & 9)

- CRISPR Gene Editing for Biomedical Applications: Discussing the potential of CRISPR gene editing to revolutionise biomedical research and therapy.
- Microbial Engineering for Biofuels and Bioproducts: Examining the use of microbial engineering to produce biofuels and bioproducts, including bioethanol and bioplastics.

THEME 13: ZERO WASTE AND CIRCULAR ECONOMY: INNOVATIVE SOLUTIONS FOR SUSTAINABLE INDUSTRIES (SDG - 6 & 12)

- Circular Business Models for Sustainable Industries: Exploring the potential of circular business models to promote sustainable industries and reduce waste.
- Waste-to-Wealth Technologies for Sustainable Development: Investigating the use of waste-to-wealth technologies, including recycling and upcycling, to promote sustainable development and reduce waste.

NOTE

Registration Deadline	05th September 2025
Last Date of Paper Submission	05th September 2025
Notification of Acceptance (Paper)	10th September 2025
Release of Conference Schedule	14th September 2025
Conference Date	17th & 18th September 2025
Paper Submission Email ID	scisustain2025@kalingauniversity.ac.in

Excursion Trip to Chitrakote Falls and Tirathgarh on 19th & 20th September 2025 on a chargeable basis.

PUBLICATION

All the papers will be included in the conference proceedings with ISBN as an E-Book. Selected papers will be published in the UGC / Scopus-indexed journals with applicable charges determined by the respective journals.

FEES DETAILS

Categories	Registration Charges
• Faculty & Other Educators	INR 1500/-
• Research Scholars	INR 1500/-
• UG+PG Students	INR 1200/-
• Industry Experts	INR 2500/-
• International Participants	USD 50/-

After the Registration Dates, the charges will be applicable as below:

• Each Category	INR 250/- Additional
• International Participants	USD 20/- Additional

SCAN TO PAY



On-the-Spot Registration:

- Each Category **INR 500/- Additional**
- A 50% Concession to participants from Kalinga University and Colleges having MoU with Kalinga University, Naya Raipur.
- Accommodation will be provided at the Participants' request. (Charges Applicable)
- Registration Fees include a Conference Kit, High Tea, Lunch and Snacks for both days.
- A 10% concession on group registration will be offered for each category for a group of 50 or more participants.

CONTACT PERSON

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05.	Bronze Sponsorship	INR 10,000/-	1. Display of Logo on Conference Materials.

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HOW TO REACH

Railways: Raipur Junction railway station is situated on the Howrah-Nagpur-Mumbai line of the Indian Railways (via Bhusawal, Nagpur, Gondia, Bilaspur, Rourkela, Kharagpur) and is connected with most major cities.

Airport: Swami Vivekananda Airport is the primary airport serving the state of Chhattisgarh. The airport is located 15 km south of Raipur near Atal Nagar.



HOW TO REACH KALINGA

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