



**KNUST**  
Kwame Nkrumah  
University of Science  
and Technology, Kumasi

# **KNUST RESEARCH CONFERENCE 2023**

— (TEKCONFAB23) —

## **Theme**

**Innovation and Entrepreneurship in Science  
and Technology for a Sustainable Future**

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**Date:** 29<sup>th</sup> - 31<sup>st</sup> May, 2023  
**Time:** 9:00am

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**Venue:**  
School of Business, KNUST

**Click on the link below to submit an Abstract**



<https://bit.ly/TEKConfab23>

# Introduction to the Conference

Science, technology and innovations (STIs), form an integral part of economic transformation in many nations across the globe, and constitutes a major driving force for achieving the Sustainable Development Goals (SDGs). Addressing the complex nature of societal problems in the 21st century require the adoption and application of scientific knowledge into new methods and business models that create opportunities for job creation and economic transformation. Achieving this requires leveraging the close interrelationship between science, technological innovations and entrepreneurship opportunities that emanate from research.

Over the past 70 years, the Kwame Nkrumah University of Science and Technology (KNUST) has made significant strides in innovation driven research in science and technology, and substantially contributed to national technological and socioeconomic development. KNUST has also been involved in various collaborative research with national and international partners and have contributed to many international scientific discoveries and entrepreneurial opportunities. It is important to reflect on these achievements and learn important lessons for the future. As part of the KNUST Research Week, the Conference brings together KNUST's stakeholders including researchers at KNUST and their postgraduate students, national and international partners, industry players and policy makers, and provides a platform to integrate ideas from many years of research collaborations and advance knowledge towards achieving the Sustainable Development Goals.

## Objectives

- 1) Provide a key platform for scientists/researchers, innovators, industry experts and other stakeholders to disseminate new knowledge and brainstorm on practical solutions to societal problems.
- 2) Promote research visibility, technology transfer and entrepreneurship opportunities through the dissemination of scholarly outputs.
- 3) Enhance continuous professional development of all participants and promote networking and collaborations among academicians, industry experts and other professionals.

## Target Participants

- Research scientists, innovators and entrepreneurs from higher education and research institutions
- Postgraduate students
- International organizations
- Industry players
- Government agencies
- Donor agencies
- All others interested in research innovations and entrepreneurship

## Call for Abstracts

Broad Theme: Innovation and Entrepreneurship in Science and Technology For a Sustainable Future

The Conference calls for abstracts under the following sub-themes:

### 1. Health and Wellbeing

Innovations in health-related research, including medical sciences, drug discovery and pharmaceutical sciences, public health, infectious and non-communicable diseases, antibiotic resistance, one-health diseases, among others.

### 2. Environment, Climate Change and Food Security

Covers all aspects of the environment. Research innovations that address sustainable development issues on natural resource management, climate science, agriculture and food security interventions would all be considered in this session.

### 3. Engineering and Technology Innovations

Focuses on engineering innovations and development of technologies for a sustainable and circular society. The application of physical, chemical and biological sciences in achieving sustainable solutions would be considered in this session. Artificial intelligence-based solutions, as well as architecture and art innovations work are also welcome.

### 4. Governance, Entrepreneurship and Development

Covers business, management, planning, governance and social dynamics of inclusive development. Contributions are particularly welcome on the dynamics of innovations and entrepreneurship in the process of economic development.

### 5. Basic and Computational Sciences

This sub-theme explores computational theories and applications. Topics of interest include theoretical sciences, mathematical modelling, predictive analytics, big data and related computational ideas.

## Abstract Submission Guidelines

- Abstract should be maximum 250 words
- Arial font size 11 with 1.5 spacing
- Include 3 – 5 keywords
- Authors names and institutional affiliations should be clearly indicated
- Include contact details of corresponding author
- Indicate the sub-theme for which your submission is being made
- Submit abstract in Microsoft Word Format

## Publication

Selected abstracts and papers will be published in conference proceedings and a special edition the **Journal of Science and Technology (JUST)**

## Important Dates

**Call for Abstracts:** 30<sup>th</sup> March – 30<sup>th</sup> April, 2023

**Notification of Acceptance:** 5<sup>th</sup> May, 2023

**Conference Registration:** 8<sup>th</sup> to 15<sup>th</sup> May, 2023

**Conference Date:** 29<sup>th</sup> – 31<sup>st</sup> May, 2023

## Registration

**Click on the link below to register and submit abstract**

<https://bit.ly/TEKConfab23>

**Click on the link below to register as attendee**

<https://bit.ly/TEKConfab23At>

## Contact Us



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