

# **KNUST Research Week and Scientific Conference: Empowering Researchers to Achieve Impactful Outcomes**

**Monday, 10 November 2025 - Friday, 14 November 2025**

**Office of Grants and Research**

## **Scientific Programme**

KNUST Research Week and Scientific Conference 2025  
Theme: Empowering Researchers to Achieve Impactful Outcomes

## **Emerging Technologies, Artificial Intelligence, and Engineering Innovations**

This sub-theme invites research that explores advances in engineering, computing, and artificial intelligence. Topics may include smart systems, robotics, data science, automation, digital infrastructure, renewable energy technologies, and their applications in addressing societal challenges. Submissions should demonstrate innovation, problem-solving potential, and scalability.

## **Health Systems, Basic sciences, Biomedical Advances, pharmaceutical Sciences and Human Wellbeing**

Submissions under this theme should focus on health research that contributes to improving healthcare delivery, disease prevention, diagnostics, medical technologies, and public health interventions. Contributions may also address mental health, health equity, and the integration of traditional and modern medical practices.

## **Climate Resilience, Environmental Sustainability, and Food Systems**

This sub-theme welcomes research that tackles climate change adaptation and mitigation, natural resource management, biodiversity conservation, sustainable agriculture, and food security. Abstracts should highlight interdisciplinary approaches that promote sustainability and resilience at local, national, or global levels.

## **Creative Arts, Cultural Heritage, and Human Capital Development**

This sub-theme encourages submissions that explore the role of the arts, culture, and humanities in shaping identity, fostering social cohesion, driving innovation, and promoting development. Research may encompass topics such as cultural preservation, creative industries, language, education, and the arts as tools for empowerment and transformation.

## **Urban Futures, Sustainable Cities, and Inclusive Governance**

Research in this area should address issues of urbanization, smart city development, infrastructure planning, housing, transportation, and governance systems that support equity and sustainability. Abstracts may also explore civic engagement, digital governance, and public policy frameworks for inclusive development.

## **Entrepreneurship, Innovation, and Sustainable Business Development**

This sub-theme seeks research that advances understanding and practice in entrepreneurship, innovation ecosystems, business sustainability, and economic transformation. Contributions may address start-up development, social enterprises, financial technologies, and strategies for inclusive economic growth.

## **All Other Submissions**