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Knowledge is Wealth/Akili ni Mali (*Sapientia divitia est*)

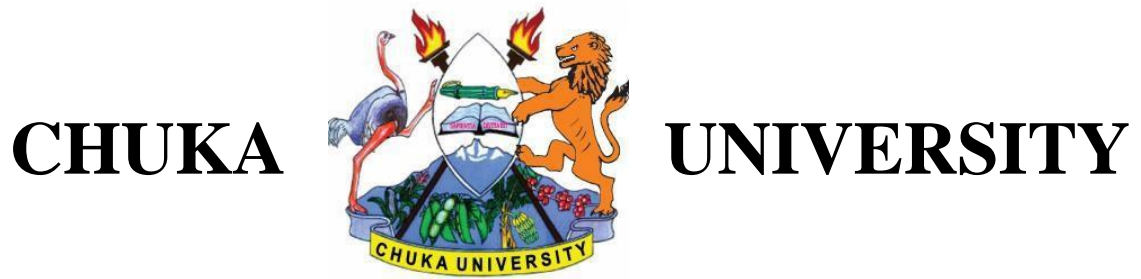
9th International Research Conference

Theme: "Exploring new frontiers in education, research and innovation for economic recovery"



Programme & Abstracts
24th and 25th November, 2022

Chuka University is Inspiring Environmental Conservation for Better Life



Knowledge is Wealth/*Akili ni Mali (Sapientia divitia est)*

Ninth International Research Conference

Theme:

“Exploring new frontiers in education, research and innovations for economic recovery”

Dates

24th – 25th November, 2022

Proceedings

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CHUKA UNIVERSITY FUNDAMENTAL STATEMENTS

Motto: Knowledge is wealth

Slogan: Inspiring Environmental Sustainability for Better Life

Philosophy: Quality education, training, research, extension, environmental sustainability, and entrepreneurship lead to social cohesion, human integrity and economic development

Vision: A Premier University for the provision of quality education, training and research for sustainable national and global development

Mission: To provide access, generate, preserve and share knowledge fo quality effective and ethical leadership in higher education, training, research and outreach through nurturing an intellectual culture that integrates theory with practice, innovation and entrepreneurship.

CORE VALUES

- 1) Customer Value and Focus
- 2) Diversity and Social Fairness
- 3) Environmental Consciousness
- 4) Fidelity to the Law
- 5) Innovation
- 6) Integrity
- 7) Passion for Excellence
- 8) Peaceful Co-Existence
- 9) Professionalism and Confidentiality
- 10) Prudent Utilisation of Resources
- 11) Teamwork
- 12) Timeliness and Devotion to Duty

DISCLAIMER

Views expressed in the abstracts published in this book are those of contributing authors and do not in any way represent views of Chuka University, Division of Academic, Research and Student Affairs, or Board of Research, Extension and Publications. The organisers reserve the right to edit the abstracts to meet required standards.

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PREFACE

Chuka University is the 9th Chartered Public University in Kenya. It is in the 9th cycle of these Annual International Research Conferences. The theme of this year's Conference is: “**Exploring new frontiers in education, research and innovation for economic recovery**”. Innovative research remains plays a pivotal role in achieving sustainable quality of life for humanity. The 9th Chuka University Conference aims at fostering transformation of innovative research into enterprise outputs to meet the contemporary nutritional, health and socio-economic societal needs. The conference will contribute to the realization of the Kenya Vision 2030, UN Sustainable Development Goals and Global Economic Agenda blueprints such as Education for Sustainable Development, and Global Citizen Education. Together with the subthemes, it aspires to link scholars, researchers, industrialists and policy-makers to establish firm partnerships for exponential development.

The Organizers set six subthemes for this Conference. These were:

1. Frontiers in Agriculture and Environment Education, Research and Innovation for Economic Recovery
2. Frontiers in Humanities and Social Science Education, Research and Innovation for Economic Recovery
3. Frontiers in Education and Training, Research and Innovation for Economic Recovery
4. Frontiers in Science, Engineering & Technology Education, Research and Innovation for Economic Recovery
5. Frontiers in Hospitality and Business Education, Research and Innovation for Economic Recovery
6. Frontiers in Health and Affirmative Action Research and Innovation for Economic Recovery

The objectives include:

1. To share new frontiers in education, research and innovation for invigorating economic recovery
2. To revitalize policy through interrogation of contemporary and alternative knowledge to meet present realities.
3. To share research milestones to facilitate sustainable livelihoods.
4. To forge partnerships for collaboration in education, research, innovations and entrepreneurship.

We have subsequently received over 150 abstracts from Kenya and beyond, comprising academicians, policy makers, researchers, industrialists, NGOs and CBOs, among others, from both public and private sectors. Many universities in Kenya are represented in this Conference either through direct entry or collaboration. Similarly, many allied institutions are also represented. We have a host of exhibitors participating through showcasing of their products, or presenting posters of their latest discoveries and works.

We are truly grateful to all delegates who have responded positively and immensely to our invitation. You are welcome to listen in plenary sessions of your choice. Networking and exhibition sessions shall run continuously and are scheduled during health breaks. The organizers invited several key lead speakers from pertinent industry sectors to curtain-raise the various breaker sections. The Conference will end with an excursion to some of the spectacular sites in this region.

We look forward to packaging full manuscripts submitted into proceedings by December, 2022 and upgrading highest quality ones for review and publication in the Chuka University Journal for Environmental Sustainability Enhancement Research (JESAR) by January 2023.

We hope you shall find this forum informative and that you shall enjoy all the sessions. Kindly leave us feedback that can help us improve on future similar functions.

Professor Dorcas K. Isutsa, Ph.D.

Ag. VC/Deputy Vice-Chancellor (Academic, Research & Student Affairs)

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