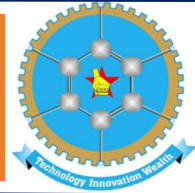




**Chinhoyi University of Technology**

Journal of Technological Sciences

<http://journals.cut.ac.zw/index.php/jts>



---

## **Editorial for Journal of Technological Sciences**

Robert Musundire

Chinhoyi University of Technology

---

### **Editorial**

It is with great pleasure that I present this first issue of the Journal of Technological Sciences as a Chinhoyi University of Technology publication. This issue comes after a long break from publication by the Zimbabwe Journal of Technological Sciences (ZJTS) which is the predecessor of this journal. The last issue for ZJTS was in 2015. A number of changes have occurred at Chinhoyi University of Technology's research profile as well as the overall national and international focus regarding research and development, thus necessitating the modification of title and focus areas of the journal. For example, the most significant shift in the higher education sector globally requires that education should yield innovations, goods and services that have societal impact.

I am happy that this modified CUT publication under the new name, "Journal of Technological Sciences" reflects an international appeal of the journal. This issue comes at the time when globally, institutions of higher learning are now increasingly being called upon to undertake impactful research that spur evidence-based national and international growth and development. It is my hope that this journal will consistently follow this path in the areas of life sciences, pure and physical sciences, material sciences, health sciences as well as wildlife and environmental studies.

This issue covers a wide range of topics from engineering sciences and technology four (5) and one (1) from health sciences. All the publications from the engineering sciences endeavor to develop new designs in harnessing solar radiation, design of grain postharvest moisture analyzer and modified pit silos for long term storage of grain crops. It is quite encouraging that the papers seek to generate original and new knowledge generated from designing new structures, systems and implements. Such studies are useful in an environment that is thirsty for innovations. The paper on health science is a review on innovative mechanisms of antimicrobial resistance in agriculture by using endogenous mechanisms inherent within poultry.

All the papers have relevance in modern innovation ecosystems as well as ensuring healthy societies. The papers also address contemporary issues that aim to harness green energy sources as well as reducing the carbon emissions. Designing new pit silos is also a sure way of ensuring food security at house level through improved storage. The design of improved grain moisture analyzer moves very well with need to improve grain postharvest and storage systems. Accurate assessment of grain moisture content is key in effective grain storage systems.

I believe you will find these studies exciting and engaging