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## Synthesis and characterization techniques of isoniazid with pentacyclic triterpenes co-crystal systems

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Studies have shown that nanomaterials remain one of the most promising materials for modern and advance in the development of science and technology. In medicine particularly, cure and management of chronic diseases have been discovered through application of nanochemistry. Development of synthesis protocols for realising nanomaterials over a range of sizes, shapes, and chemical compositions and biological activity is therefore an important application of nanochemistry in

medicine. The remarkable biological activity dependent physico-chemical properties of co-crystal system have fascinated and inspired research activity in this direction. In this presentation therefore, attention will be focused on the background introduction, the synthesis methods to prepare a co-crystal system from two solid organic compounds for better management and treatment of infectious diseases particularly tuberculosis, and its various characterization techniques will be discussed.

### Biography

Mohammed S Haruna is a Professor from National Agency for Science & Engineering Infrastructure, Abuja, Nigeria.

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