



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

Mohammed S Haruna

National Agency for Science & Engineering Infrastructure, Nigeria.

Abstract:

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.

Publication of speakers:

- Dr. Mohammed S Haruna et al..., y. a. yisah, g. a. bakare, m. s. haruna and s. o. oodo, "Optimal Economic Load Dispatch of the Nigerian Thermal Power Stations Using Swarm Optimization (PSO)" .



- Dr. Mohammed S Haruna et al., g. orwa, "Effect of Advanced Manufacturing Technology (AMT) on the Product Output of Manufacturing Small and Medium Scale Enterprises in Nigeria" .
- Dr. Mohammed S Haruna et al ..r. gakure, g. orwa, and m. s haruna, "Effect of Product Technology on the Performance of Manufacturing SMEs in Nigeria" .
- Dr. Mohammed S Haruna et al ..j. katende, m.s. haruna, "Unified power Flow Controller Application in Power Transmission Line Capacity Improvement" .
- Dr. Mohammed S Haruna et al ..j. katende, m.s. haruna, "Genetic Algorithm-Based Optimal Location of facts Devices for Loss Minimization and Improved Voltage Regulation (A Case Study of the Nigerian Shiroro Complex)" .

[Webinar on Nano- Technology 2020, December 24, 2020,Dubai,UAE.](#)

Citation: Synthesis and characterization techniques of isoniazid with pentacyclic triterpenes co-crystal systems, Nano- Technology 2020, December 24, 2020.