


RESUME

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<p>Biography and research interest</p>	<p>Dr. Buyinza is a Phytochemist with additional training in Medicinal Chemistry from Davidson College (UK). Daniel is a member of Pan African Chemistry Network and the Royal Society of Chemistry (No. 568040), NPRECA and a DAAD alumni (No. 57076376). Research interest: Phytochemistry, Medicinal Chemistry and Computational Chemistry in search for lead molecules against infectious diseases and cancer. He welcomes local and international collaborative research to save humanity.</p>
<p>Research and publications</p>	<p>Daniel Buyinza, Solomon Derese, Albert Ndakala, Matthias Heydenreich, Abiy Yenesew, Andreas Koch, Richard Oriko (2021). A coumestan and a coumaronochromone from <i>Millettia lasiantha</i>. <i>Biochemical Systematics and Ecology</i> 97 (2021) 104277; https://doi.org/10.1016/j.bse.2021.104277</p> <p>Daniel Buyinza, Duncan Mutiso Chalo, Solomon Derese, Albert Ndakala, Abiy Yenesew (2020). Flavonoids and Isoflavonoids of <i>Millettia dura</i> and <i>Millettia ferruginea</i>: Phytochemical review and chemotaxonomic values. <i>Biochemical Systematics and Ecology</i>, 91, 104053; https://doi.org/10.1016/j.bse.2020.104053</p> <p>Daniel Buyinza, Li Jun Yang, Solomon Derese, Albert Ndakala, Paolo Coghi, Matthias Heydenreich, Vincent Kam Wai Wong, Heiko M. Möller & Abiy Yenesew (2019): Cytotoxicity of isoflavones from <i>Millettia dura</i>, <i>Natural Product Research</i>, https://doi.org/10.1080/14786419.2019.1660335</p> <p>Daniel Buyinza, Solomon Derese, Abiy Yenesew, Lionidah K. Omosa and Yusuf O. Amir (2018); Antimicrobial Study of Compounds from <i>Zanthoxylum Hostzianum</i>. The Utilization of Natural Products for the Betterment of the Livelihood of Mankind 8th-10th, February, 2018 <i>NAPRECA-K (book of proceedings)</i></p> <p>Daniel Buyinza and Ivan Gumula (2020). Fighting the next pandemic: A Phytochemical Approach from African <i>flora</i>; An Overview. SASA (2020) and MOH (U) Digital International Health Conference, book of abstracts</p> <p>Ivan Gumula and Daniel Buyinza. Protease inhibitors from plant seeds and tubers as potential antivirals for covid-19. SASA (2020) and MOH (U) Digital International Health Conference, book of abstract</p> <p>Daniel Buyinza, Antiplasmodial and Anticancer Principles from <i>Millettia dura</i>, <i>Millettia leucantha</i> and <i>Millettia lasiantha</i> (PhD thesis)</p> <p>Daniel Buyinza, Phytochemical Investigation of <i>Zanthoxylum holstzianum</i> for Antimicrobial Principles (Msc thesis)</p>
<p>Current Research and Funding</p>	<p>Evaluating the Anti-Tuberculosis Activity of <i>Kigelia africana</i>, <i>Maytenus senegalensis</i> and <i>Albizia coriaria</i> (Phase I) PI: Daniel Buyinza Funding: Kabale University (MIN 7/2RAPAB/2021 (C))</p>