

SAIDU MUHAMMAD BELLO

PhD graduate

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Education and Qualifications

- 2023 PhD degree – Doctoral School of Pharmaceutical Sciences, University of Szeged, Hungary
Thesis: Isolation and structure elucidation of biological active compounds from *Euphorbia deightonii* and *Centrapalus pauciflorus*
- 2015 MSc – Pharmacognosy, Department of Pharmacognosy and Drug Development, Ahmadu Bello University, Zaria, Nigeria
- 2011 BSc – Botany, Biological science Department, Usmanu Danfodiyo University, Sokoto, Nigeria
- 2005 High school Diploma– DECS New College, Minna, Nigeria.

Employment

- Jul–Aug.2023 Research Assistant Fellow, Institute of Pharmacognosy, University of Szeged
- 2022–2023 Research Assistant Fellow, Biologically Active Natural Products Research Group, ELKH-SZTE, Hungarian Academy of Science

TASKS

- Isolation of natural compounds/secondary metabolites from plants.
- Use of several chromatographic techniques
- Structural elucidation of isolated compounds by use of NMR data.
- Interpretation of MS data of isolated compounds.
- Attended seminars and symposiums to improve overall knowledge and understanding.
- Worked both independently and collaboratively in fast-paced laboratory environment.
- Recorded experimental findings in laboratory notebook to analyse and interpret experimental findings
- Prepare research articles for publication.

Research

Research Interests

Isolation and structural characterisation of natural products, analytical evaluation of plant extracts.

Publications

1. Saidu, M. B., Kúsz, N., Berkecz, R., Rácz, B., Spengler, G., Hohmann, J., and Rédei, D. Ingol, ent-atisane, and stachane-type diterpenoids from *Euphorbia deightonii* with multidrug resistance reversing activity, *Phytochemistry* 204, 113344 (2022). <https://doi.org/10.1016/j.phytochem.2022.113344>
2. Saidu, M. B., Kúsz, N., Tsai, Y. C., Vágvölgyi, M., Berkecz, R., Kókai, D., Burián, K., Hohmann, J., and Rédei, D. Triterpenes and phenolic compounds from *Euphorbia deightonii* with antiviral activity against herpes simplex virus type-2, *Plants (Basel)* 11, 764 (2022) <https://doi.org/10.3390/plants11060764>
3. Saidu, M. B., Krstić, G., Todorović, N., Berkecz, R., Ali, H., Zupkó, I., Hohmann, J., and Rédei, D. Monoterpenoid 5-methylcoumarins from *Centrapalus pauciflorus* with antiproliferative activity, *Arabian Journal of Chemistry*, 16, 104777 (2023). <https://doi.org/10.1016/j.arabic.2023.104777>
4. Krstić, G., Saidu, M. B., Bombicz, P., De, S., Ali, H., Zupkó, I., Berkecz, R., Gallah, U. S., Rédei, D., and Hohmann, J. Pauciflorins A–E, unexpected chromone–monoterpene-derived meroterpenoids from *Centrapalus pauciflorus*, *Journal of Natural Products* 86, 891–896 (2023) <https://doi.org/10.1021/acs.jnatprod.2c01132>
5. Krstić, G., Saidu, M.B., Barta, A., Vágvölgyi, M., Ali, H., Zupkó, I., Berkecz, R., Gallah, U.S., Rédei, D. and Hohmann, J. Anticancer Meroterpenoids from *Centrapalus pauciflorus* leaves: Chromone- and 2,4-Chromadione-Monoterpene Derivatives, *ACS omega*, 2023, 8, 34, 31389–31398 <https://doi.org/10.1021/acsomega.3c03884>

Scientometric Data

Impact factor of total publications: 19.5

Number of independent citations within total publications: 6

Conferences

1. 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA 2019). [Innsbruck, Austria, September 1–5, 2019.]. Ingol and ent-atisane diterpenes from the aerial parts of *Euphorbia deightonii*.
2. 1st Symposium of Young Researchers on Pharmacognosy, Szeged, Hungary, 2019 [Institute of Pharmacognosy, University of Szeged, November 19, 2019.]. Chemical investigations of *Euphorbia deightonii*.
3. Symposium of Steroid and Terpenoid Chemistry [Committee of Hungarian Academy of Science, Szeged, Hungary, November 22, 2019.] *Euphorbia deightonii*: a rich source of terpenoid.
4. EUGLOH Annual Student Research Conference, [Szeged, Hungary September 28–30, 2020.] Ingol-type, ent-atisane and stachane diterpenes from Nigerian plant *Euphorbia deightonii*.
5. 2nd Symposium of Young Researchers on Pharmacognosy, Szeged, Hungary, 2019 [Institute of Pharmacognosy, University of Szeged, February 4, 2021.] Isolation and anti-HSV2 studies of compounds from *Euphorbia deightonii*.
6. 3rd Symposium of Young Researchers on Pharmacognosy, Szeged, Hungary, 2019 [Institute of Pharmacognosy, University of Szeged, February 3-4, 2022.] Phytochemical and pharmacological studies of *Centrapalus pauciflorus*.

7. Fatal Gyógynövénykutatók Fóruma (Young Researchers on Pharmacognosy), [Budapest, Hungary, June 17, 2022.] Isolation of cytotoxic phenoloids from leaves of *Centrapalus pauciflorus*.
8. Symposium of Steroid and Terpenoid Chemistry [Committee of Hungarian Academy of Science, Szeged, Hungary, November 28, 2022.] Coumarin- and chromone-monoterpene derived meroterpenoids from *Centrapalus pauciflorus*.
9. EUGLOH/ 4th International Symposium of Young Researchers on Medicinal Plants and Natural Product Research [EUGLOH and Institute of Pharmacognosy, University of Szeged, Szeged, 22–24 May 2023.] Phytochemical investigation of *Euphorbia desmondii*.

Honours, Awards and Fellowships

2022–2023	Stipendium Hungaricum Dissertation scholarship
2018–2022	Stipendium Hungaricum PhD Study scholarship
2018	Bilateral Education Agreement Award between Nigeria and Hungary
2005	Awarded Best graduating student, DECS New College, Minna

Skills

- Microsoft word, Microsoft Excel and Microsoft PowerPoint
- Laboratory oversight
- Dependable and responsible
- Flexible and adaptable
- Problem-solving
- Technology-savvy

Languages spoken

- English
- Hausa
- Nupe