

## PERSONAL INFORMATION

**Hesham Mohamed Bahaaeldeen Sayed Mohamed**

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**Sex:** Male | **Date of birth:** 23/12/1987 | **Nationality:** Egyptian

## WORK EXPERIENCE

**Mai 2023 - Present**

**Lecturer**

Faculty of Pharmacy, Assiut University, Assiut (Egypt)

**Apr 2018 – Feb 2023**

**PhD student**

Technical University Braunschweig, Institute of Pharmaceutical Biology, Germany.  
Funded by scholarship through the German Egyptian Research Long-term Scholarship (GERLS) Program.

**Mar 2016- Apr 2023**

**Assistant lecturer**

Faculty of Pharmacy, Assiut University, Assiut (Egypt)

**Dec 2009 - Feb 2016**

**Teaching assistant**

Faculty of Pharmacy, Assiut University, Assiut (Egypt)

**Jun 2009 - Nov 2009**

**Community pharmacist**

El Sebity Pharmacy, Assiut, Egypt

## EDUCATION AND TRAINING

**Apr 2018 – Feb 2023**

**Ph. D. in Pharmaceutical Sciences (Pharmacognosy)**

Institute of Pharmaceutical Biology, Technical University of Braunschweig (Germany)

**Sep 2010–Jan 2016**

**Master's degree in Pharmaceutical Sciences (M.Sc.)** Excellent

Faculty of Pharmacy, Assiut University, Assiut (Egypt)

**Sep 2004–Jun 2009**

**Bachelor's degree in Pharmaceutical Sciences (B.Sc.)** Excellent with honor

Faculty of Pharmacy, Assiut University, Assiut (Egypt)

## PERSONAL SKILLS

**Mother tongue**

Arabic

**Other language(s)**

English Excellent German Good

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## JOB-RELATED SKILLS

### Chemistry of natural products

- Isolation of pure compounds from complex plant extracts using different chromatographic techniques
- Chemical synthesis of potential substrates and reference compounds.
- Identification of unknown compounds using different spectroscopic techniques

### Molecular Biology

- Bioinformatics, RNA isolation, cDNA cloning, bacterial and yeast transformation, heterologous expression, protein isolation, enzyme characterization

## ADDITIONAL INFORMATION

### PUBLICATIONS

- Ernst, L., Lyu, H., Liu, P., Paetz, C., **Sayed, H.M.**, Meents, T., Ma, H., Beerhues, L., El-Awaad, I. and Liu, B. (2024). Regiodivergent biosynthesis of bridged bicyclononanes. *Nature Communications*, 15(1), 4525.
- **Sayed, H. M.**, Nassar, S., Kaufholdt, D., Beerhues, L., Liu, B., & El-Awaad, I. (2023). Biosynthesis of polyprenylated xanthenes in *Hypericum perforatum* roots involves 4-prenyltransferase. *Plant Physiology*, 192(4), 2971-2988.
- Yones, D. A., Badary, D. M., **Sayed, H. M.**, Bayoumi, S. A., Khalifa, A. A., & El-Moghazy, A. M. (2016). Comparative evaluation of anthelmintic activity of edible and ornamental pomegranate ethanolic extracts against *Schistosoma mansoni*. *BioMed research international*, 2016(1), 2872708.
- El-Moghazy, A. M., Khalifa, A. A., Bayoumi, S. A., & **Sayed, H. M.** (2016). Chemical constituents of ornamental pomegranate and its antioxidant and anti-inflammatory activities in comparison with edible pomegranate. *Journal of Pharmacognosy and Phytochemistry*, 5(4), 88-94.
- El-Moghazy, A. M., Khalifa, A. A., Bayoumi, S. A. L., & Sayed, H. M. B. (2015). Macro-and Micromorphology of the Leaves, Stem Bark and Flowers of *Punica granatum* L. var. *nana* Cultivated in Egypt. *Bulletin of Pharmaceutical Sciences Assiut University*, 38(1), 99-125.

### CONFERENCES

- September 2021: 4th European Conference on Natural Products, Germany (Poster).
- October 2018: Tagung der Sektion 'Pflanzliche Naturstoffe' der Deutschen Botanischen Gesellschaft, Warberg, Germany (Poster).
- March 2014: Assiut University 9th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (Audient).
- March 2012: Assiut University 8th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (Audient).

### FELLOWSHIPS

- Awarded a full PhD scholarship through the German Egyptian Research Long-term Scholarship (GERLS) Program, 2017.