Curriculum Vitae

Dr Samra Abdalhadee Ahmed

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PERSONAL SUMMARY:

- I am from Baghdad, where I completed my Bachelor of Science and subsequently earned a Master of Science in Botany and Medicinal Plants from Mustansiriyah University. Following this, I pursued further studies in South Australia, obtaining proficiency in English at the Intensive English Language Institution (IELI).
- In 2018, I earned my Ph.D. from Flinders University, Australia, where I focused on purifying novel antibiotics and bioactive compounds from Macro fungi. During my doctoral studies, I was awarded first prize in the AMP Ignite Competition 2018 and was nominated for the Future Scientist Award.
- As a passionate educator with a strong foundation in sciences, I have developed a deep interest in educational development and science communication. I have had the opportunity to teach courses in Pharmacognosy, which focused on medicinal plants and chromatographic techniques. I emphasize a student-centric approach, ensuring that my teaching aligns with both theoretical knowledge and hands-on practical skills. I foster a collaborative environment that encourages critical thinking, effective communication, and scientific curiosity.

EDUCATION:

- Ph.D. 2018: Doctor of Philosophy (Australian Macrofungi as a source for bioactive compounds
  Flinders University Adelaide, Australia

- M.Sc. 2008: Master of Science (Botany). College of Science. Al-Mustansiriyah University
  Baghdad, Iraq

- B.Sc. 2005: Bachelor of Science (Biology / Biotechnology) College of Science. Al-Mustansiriyah University
  Baghdad, Iraq

ACADEMIC HONORS AND AWARDS:

Awards and Grants

- Nominated by Flinders University for PhD Excellence Award 2019
- AMP Amplify Ignite competition - first prize winner 2018
- Future Scientist Award winner of South Australia 2018
- Flinders Horizon Award Winner 2018
- Flinders University Student Association (FUSA) Development Grant 2016
- The Australasian Mycological Society (AMS) Conference Travel Grant 2016
- Research Higher Degree International Conference Grant 2016
- Field Naturalists Society of South Australia Grant 2015
- The Higher Committee for Education Development in Iraq (HCED), Doctoral Scholarship 2013
- Flinders University Horizon Award Silver, Gold and Platinum certificates 2018

ACADEMIC /TEACHING EXPERIENCE:

- Natural Products Extraction, purification, and Identification
- Mycology as mushroom cultivation and preservation
- Molecular biology such as, DNA extraction, RNA extraction, PCR, cDNA synthesis
- Medical microbiology using quantitative genetics analysis, Serology and Bacteriology procedures
- Cell Biology and tissue culture techniques, cell culture and standard culture media preparation, natural products.
- Taught identification of medicinal plants, including methods of cultivation, collection, drying, and storage.
- Covered pharmacological activities and chemical composition of natural products, focusing on crude drug quality control through macroscopical, physical, chemical, biological, and spectroscopic evaluation.
- Explained and demonstrated chromatographic separation techniques, including paper chromatography, thin-layer chromatography (TLC), column chromatography, high-performance liquid chromatography (HPLC), gas chromatography, gel filtration, ion-exchange chromatography, and affinity chromatography.
- Introduced plant tissue culture techniques, emphasizing their role in the production of medicinal plants.
- Developed practical lab exercises to teach students microscopical identification of crude drugs, extraction methods, chromatography (paper, TLC, partition), and separation techniques for volatile oils.
- Provided hands-on training on the impact of adsorbent activity on retention factor (Rf) values in chromatography.
- Utilized core texts references and practical manuals to support theoretical and lab-based learning.

COURSES TAUGHT:

Undergraduate	Higher Degree
Pharmacognosy	Academic English

PROFESSIONAL AFFILIATIONS:

- Director, Scholarship and Cultural Relationships Unit
- Dr Lecturer at college of pharmacy Mustansiriyah university
- Adjunct professor at college of pharmacy AUIB
- Adjunct professor at college of science Flinders University, South Australia

PUPLICATIONS:

- Catcheside, Pam; Walsh, Richie and Qaraghuli, Samra. Report on the workshop of the Adelaide Fungal Studies Group, Deep Creek Conservation Park, 2-6 July 2015 [online]. South Australian Naturalist, the, Vol. 89, No. 2, Jul-Dec 2015: 103-110. Availability: <https://search.informit.com.au/documentSummary;dn=827047192216535;res=IELHSS> ISSN: 0038-2965.
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- Catcheside, PS, Qaraghuli, S & Catcheside, DE 2017, 'A new species of small black disc fungi Smardaea australis (Pezizales, Pyronemataceae), is described from Australia' Presented at 10 conferences spanning 6 countries
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- Al-Biltagi M, Saeed NK, Qaraghuli S. Gastrointestinal disorders in children with autism: Could artificial intelligence help? Artif Intell Gastroenterol 2022; 3(1): 1-12
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- Al-Biltagi M, Saeed NK, Qaraghuli S. Effects of COVID-19 on children with autism, World Journal of Virology 2022;11(6)

PROFFESSIONAL DEVELOPMENT

Courses at Flinders University **2014-2020**

- Time Management
- Risk management

- Conflict of interest management
- Conflict management
- Critical thinking
- Code of Ethics /Australia
- Code of medicine/Australia
- Dealing with neglected child

Certification

- Mental Health First Aider 2020
- Bilingual 2020

Training

- Communication in Science/ Jordan 2022
- Writing proposal/ Jordan 2022
- Global funding/Jordan 2023
- Erasmus funding/Jordan 2023
- Networking and digital transformation/ Tunis 2025

Industrial professional work

Novartis Pharmaceuticals Australia **January 2019- 2022**
Sydney, Australia

Ethics, Risk and Compliance Coordinator
Role Competencies

- Communicating with internal and external stakeholders.
- Collaboration
- Management of Overseas HCP engagement
- Management of external funding requests
- The lead for Implanting P3Tool for Pharma and Oncology in AUNZ
- Third Party Risk Management Champions
- Support ERC team to coordinate and run Compliance Champion meetings.

QA specialist

- Quality Manual Implementation through the review and preparation of SOPs/ WI and Forms.
- Supporter in Managing of Quality Events, CAPAs and Technical Product Complaints.
- Management of Planned changes through Change control management System.
- Support in Self- inspections and audits.

Manage Access Program Coordinator **Sep 2020- 2022**
Role Competencies

Communicating with internal and external stakeholders.
Working, and reporting within deadline
Details orientated.

Ophthalmology */Medical Affairs Intern*

- Literature review

- State-wide Medicines Formulary (SMF) submission

Associate Biologist, National Diabetes Centre **2009 – 2011**

- Bacteriology and Serology procedures
- Tissue culture procedures
- Collected specimens, blood and urine samples using venepuncture and other collection procedures
- Prepared bacterial media and performed microscopic tests to produce reliable and precise data
- Adhered to strict safety and standard operating procedures
- Good Laboratory Practice