

Mai Ali

📍 Aldyafa Tower, Alabaseery neighbourhood, Beni-Suef city, Egypt

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Academic Education

- 2016–2020** | **PhD, The University of Manchester, Faculty of Biology, Medicine and Health, School of Health Sciences, Division of Pharmacy and Optometry, UK**
Philosophy doctor degree in pharmacology. Title of the thesis: “Novel molecular therapeutic agents for hepatocellular carcinoma”.
- 2013–2014** | **Diploma in Biotechnology, Beni-Suef University, Faculty of Postgraduate Studies for Advanced Sciences, Egypt.**
- 2010–2014** | **MSc, Beni-Suef University, Faculty of Pharmacy, Egypt**
Master degree of Pharmacology and Toxicology. Title of the thesis: “Pharmacological study of the effect of a statin drug and antioxidants on myocardial infarction in hypercholesterolemic rats”.
- 2003–2008** | **BSc, Beni-Suef University, Faculty of Pharmacy, Egypt**
Bachelor degree in Pharmaceutical Sciences with general grade of “Excellent with Honors”.

Professional Skills

- Experienced in tissue culture; including processing murine and human tissues and growth and maintenance of primary human cancer cells and cancerous (liver, lung, breast, prostate and colorectal) and non-cancerous cell lines.
- Performed molecular biology techniques; including immunofluorescence, ELISA, Western blotting and flow cytometry.
- Capable of investigating the cytotoxic activity of established and newly synthesised drugs using cell proliferation assays, such as MTT, SRB and cell survival clonogenic methods, and 3D angiogenesis and vascular disruption assays.
- Skilled at using softwares such as Microsoft Office (Word, PowerPoint, Excel and Outlook), ImageJ, Imagelab, FlowJo, Graphpad Prism and Labguru.
- Implemented different studies in coordination with other biology and chemistry researchers.
- Effectively processed, presented and defended experimental data as reported from the PhD supervisor and the viva examiners.

Work Experience

- 2014-present** | Assistant lecturer, Department of Pharmacology & Toxicology, Beni-Suef University, Faculty of Pharmacy, Egypt (including five years on leave for studying PhD).
- 2016–2020** | Teaching assistant, The University of Manchester, Faculty of Biology, Medicine and Health, UK.
- Ensured safe handling of chemicals and other health hazards and proper execution of experiments by undergraduates in different disciplines.
 - Invigilated paper-based and practical exams for undergraduate and placement students.
- 2009–2013** | Laboratory demonstrator and teaching assistant, Department of Pharmacology & Toxicology, Beni-Suef University, Faculty of Pharmacy, Egypt.
- Conducted teaching of pharmacology and toxicology to undergraduate and Master's students.
 - Exploited knowledge of laboratory procedures and academic writing to guide junior colleagues within various research projects.

Other Certificates and Awards

- 2018** | Personal licence issued by the Home Office to perform regulated procedures on protected animals.
- 2015** | Newton-Mosharafa competitive fund for studying PhD at The University of Manchester.
- 2011** | Grant from The Scientific Research and Development Unit, Beni-Suef University for obtaining Master's degree.
- 2009** | Excellence award from Faculty of Pharmacy, Beni-Suef University for ranking the 2nd among pharmacy 2008 graduates.

Conferences & Publications

- 2020** | "Structure-Activity Relationships for 3-arylisoquinolinones as anti-cancer agents: meta-substitution on the aryl ring dramatically enhances drug activity"; manuscript under submission for The Journal of Medicinal Chemistry.
- 2018** | "Evaluation of novel isoquinolinones as cytotoxic agents in hepatocellular carcinoma"; poster presented in the National Cancer Research Institute Conference, Glasgow, UK.
- 2014** | "Rosuvastatin and ellagic acid protect against isoproterenol-induced myocardial infarction in hyperlipidemic rats"; research article published in Beni-Suef University Journal of Basic & Applied Sciences.

