

# DOAA AHMED MOHAMMED KORANY, M. Sc.

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## Education

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**M.S. in Pharmaceutical Sciences** **January 2014**  
Department of Pharmacognosy & Phytochemistry, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt. Thesis entitled: "Biological and Chemical Analysis of Herbal Products of Interesting Biological Activity".

**B.S. in Pharmaceutical Sciences** **May 2003**  
Major score: "Excellent with Honor" in the 14<sup>th</sup> place, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

## Professional Experience

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*Assistant Lecturer & Ph.D. Student of Pharmacognosy and Phytochemistry,*  
Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Cairo,  
Egypt (January 2014 to present)

- ✓ Teaching, preparing presentation and preparing various laboratory classes, helping in formation of the practical students' notes, proctoring and grading exams for the Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University including:
  - ✓ Botany and Medicinal Plants for Prepharmacy students.
  - ✓ Pharmacognosy for 1<sup>st</sup> year students.
  - ✓ Phytochemistry 1 (Chemistry of Natural Products) for 2<sup>nd</sup> year Pharmacy students.
  - ✓ Phytochemistry 2 (Chemistry of Natural Products) for 3<sup>rd</sup> year Pharmacy students.
  - ✓ Quality Control of Herbal Products for 4<sup>th</sup> year Pharmacy students.
- ✓ Conducting studies and research in the field of chemistry of medicinal plants

and Natural Products Chemistry as a Ph.D. student in the Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University.

- ✓ Current research interests include:
  - ✓ Isolation of biologically significant natural products from various plant species and evaluating its biological activities aiming to find a novel natural product with promising biological activities to prevent and/or cure various diseases.
  - ✓ Identification of chemical constituents of various plant extracts &/or volatile oils using different techniques, mainly Gas Chromatography/Mass Spectrometry (GC/MS) and High Performance Liquid Chromatography/Mass Spectrometry (HPLC/MS), in an attempt to validate the observed biological activities
  - ✓ Implication of molecular biology to discover the mechanism of action of the plant extracts and/or isolated active compounds.

***Teaching and Research Assistant of Pharmacognosy and Phytochemistry, Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt***  
**(December 2003 to December 2013)**

- ✓ Teaching various laboratory classes and preparing, proctoring and grading exams for the Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University including:
  - ✓ Botany and Medicinal Plants for Prepharmacy students.
  - ✓ Pharmacognosy for 1<sup>st</sup> year students.
  - ✓ Phytochemistry 1 (Chemistry of Natural Products) for 2<sup>nd</sup> year Pharmacy students.
  - ✓ Phytochemistry 2 (Chemistry of Natural Products) for 3<sup>rd</sup> year Pharmacy students.
  - ✓ Quality Control of Herbal Products for 4<sup>th</sup> year Pharmacy students.
- ✓ Conducting studies and research in the field of chemistry of natural products as a M.S. student and Research Assistant at the Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University.
- ✓ Areas of interest included the identification of chemical constituents of various plant extracts using Gas Chromatography/Mass Spectrometry (GC/MS) in an attempt to validate the observed biological activities with implication of molecular biology to discover the mechanism of action of the plant extracts.

## Training and Workshops attended

- ✓ Faculty Training and Management Workshop for Faculty members (November 2021) – Training & Development Center, Ain Shams University:
  - ✓ Scientific Writing.
  - ✓ Scholarly Publishing in Indexed Journals.
- ✓ “How Scopus can support your research” (August 2020), Pan-African Webinar, Elsevier Researcher Academy On Campus.
- ✓ “Running a systematic review service from home” (August 2020), Clarivate-Web of Science Webinar.
- ✓ “Your essential guide to literature reviews” (July 2020), Clarivate-Web of Science Webinar.
- ✓ “Pre-submission Strategies” workshop (October 2019) –Springer Nature in collaboration with the Egyptian Knowledge Bank.
- ✓ Faculty Training and Management Workshop for Faculty members (2013) – Training & Development Center, Ain Shams University:
  - ✓ Leading and management of research team
  - ✓ Quality control and assurance
  - ✓ Research projects and Funding

## Professional Skills

### **In the field of Pharmacognosy and Phytochemistry (Teaching and Research):**

- ✓ Teaching different practical courses of Pharmacognosy, Phytochemistry (Chemistry of Natural Products), and Quality Control of Herbal Products, at department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt (2003 till present).
- ✓ Presented the “**Pharmacognosy Department Achievements**” in the Pharmacognosy Department Conference (2022).
- ✓ Participated as academic advisor for PharmD program students (2022).
- ✓ Presented a lecture entitled “**Chemistry of Natural Products and Important Drugs from Natural Sources**” to Chinese students, via a student exchange program between Ain Shams University and China (February 2019).
- ✓ Participated in the “Volatile Oil Gallery”, an activity for 3<sup>rd</sup> year students, for eight

successive generations.

- ✓ Involved in the Quality Assurance Unit for Accreditation in the Faculty of Pharmacy, Ain Shams University, Cairo, Egypt (2015 till present).
- ✓ Excellent working knowledge of **Windows, Microsoft Office and Various Internet Applications.**
- ✓ Excellent working knowledge of **ChemDraw, EndNote, Xcalibur and MestReNova softwares.**
- ✓ Good working knowledge of **Researches and Presentations.**
- ✓ Experienced in writing and submitting research papers in various forms according to what is required by the journal editors.
- ✓ Proficient in the use of various microscopes including light microscopy, sample preparation, dyeing and imaging.
- ✓ Experienced in extraction, isolation and purification of compounds from plant materials using different chromatographic methods, e.g.: Column chromatography (CC), Thin Layer Chromatography (TLC), Paper Chromatography (PC), HPLC and GC.
- ✓ Utilization and measuring samples on UV spectroscopy.
- ✓ Analyzing sample extracts using HPLC.
- ✓ Identification and structure elucidation of natural products using UV, IR, NMR and MS spectroscopy.
- ✓ Secondary metabolites fingerprinting and identification of volatile oils' components using HPLC/MS and GC/MS.

## **Association Membership**

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- ✓ Egyptian Syndicate of Pharmacists.

## **Publications**

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- ✓ **Doaa A. Korany**, Riham S. Said, Iriny M. Ayoub, Rola M. Labib, Sherweit H. El-Ahmady, Abdel Nasser B. Singab. **Protective effects of *Brownea grandiceps* (Jacq.) against  $\gamma$ -radiation-induced enteritis in rats in relation to its secondary metabolome fingerprint.** *Biomedicine & Pharmacotherapy* **2022**, 146, 112603. (Q1 - impact factor: **7.419**)

- ✓ **Doaa A. Korany**, Iriny M. Ayoub, Rola M. Labib, Sherweit H. El-Ahmady, Abdel Nasser B. Singab. **The impact of seasonal variation on the volatile profile of leaves and stems of *Brownea grandiceps* (Jacq.) with evaluation of their anti-mycobacterial and anti-inflammatory activities.** *South African Journal of Botany* **2021**, 142, 88-95. (Q2- impact factor: **3.111**)

## **Conference Participations**

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- ✓ **Doaa A. Korany**, Iriny M. Ayoub, Rola M. Labib, Sherweit H. El-Ahmady, Abdel Nasser B. Singab. **Chemical Composition and Biological Activity of the Volatile Fraction Obtained by Hydrodistillation from *Brownea grandiceps* (Fabaceae).**

Poster presented at the 7<sup>th</sup> Annual International Ain Shams University Conference, Cairo, Egypt (2018).

## **Prizes**

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- ✓ **Dr. Abdel Nasser's prize (2022)** for the best research article extracted from a Ph.D. thesis in the department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

## **Personal Skills**

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### **Key Strengths:**

- ✓ **Exceptional communication and interpersonal skills** - highly developed communication and interpersonal skills, working effectively with individuals on all levels. Listens attentively, assesses situations and builds excellent rapport with teammate.
- ✓ **Demonstrated problem solving, initiative and good judgment** - possesses the ability to clearly express thoughts.
- ✓ **Team player attitude** - works effectively in both self-managed and team-based environments while maintaining high ethical and quality standards.
- ✓ **Team leading and leadership skills** - Identify and effectively implement strategies and actions that meet the job needs and requirements.

## **Personal Data**

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- ✓ Date of Birth: 30/10/1980
- ✓ Place of Birth : Cairo, Egypt
- ✓ Nationality : Egyptian
- ✓ Marital Status: Married (3 children)

## **References      Furnished upon request**