



Curriculum Vitae

Reham Said Ibrahim Abdelkader

Associate Professor, Department of Pharmacognosy, Faculty
of Pharmacy, University of Alexandria.



**REHAM
SAID
IBRAHIM**

EDUCATION

2010-2014

2006-2010

2001-2006

1988-2001



Curriculum vitae



Alexandria, Smouha, Ezees tower.



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rehamsaid84@yahoo.com

Date of birth: 05/08/1984


Marital state: Married with two children

Nationality: Egyptian

 **PhD degree in Pharmaceutical sciences, pharmacognosy.**

 Thesis title is: “**Chemical constituents and biological activities of propolis samples collected in Egypt**”.

 **Master degree in Pharmaceutical sciences, pharmacognosy.**

 Thesis title is: “**Phytochemical study and antioxidant activity of *Conyza dioscoridis* (L.) Desf. [*Pluchea dioscoridis* (L.) DC.], family Asteraceae**”.

Bachelor in pharmaceutical science, University of Alexandria, Grade **(Excellent)**, Order (8th), Year 2006.

Early education was from Kuwait.



EMPLOYMENT

2006-2020

- **Associate Professor**, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria, Egypt (2020).
- **Lecturer**, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria, Egypt (2015 to 2020).
- **Coordinator for the Quality Assurance Unit**, Faculty of Pharmacy, University of Alexandria (2015 to the date).
- **Academic advisor** for clinical pharmacy program students (2015 to the date) and for Pharm D. program (2019 to the date).
- Assistant lecturer, Department of Pharmacognosy, Faculty of Pharmacy University of Alexandria, Egypt (2010 - 2014).
- Demonstrator, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria, Egypt (2006 - 2010).

- Pharmacist in (El-Nahda pharmacy)

2006-2007



TEACHING EXPERIENCES

Participated in the teaching of:

- Theoretical and Practical Courses covering different aspects of Pharmacognosy and chemistry of natural products for undergraduate B.Pharm. students, Faculty of Pharmacy, University of Alexandria (2016-to the date). For example:
 - Quality control of herbal drugs PG 606 for clinical pharmacy program.
 - Quality control of genetically engineered medicines.
 - Biosynthesis of natural products.
- Theoretical and practical courses in Pharmacognosy and medicinal plants for under-graduate B.Pharm. students, Faculty of Pharmacy, **Pharos University** (2015/2018).
 - Pharmacognosy I.
 - Unorganized drugs.

 **POST-
GRADUATE
DEGREE THESES
SUPERVISION**

Participating in the supervision of the following theses granted by Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt:

- Screening of some plants and natural products for aromatase inhibitory activity and isolation of some active compounds (Ph. D) (2016 to 2019).
- An investigation into the impact of sprouting on the phytochemicals and biological activities of some seeds of potential medicinal importance (M. Pharm. Sci.) (2016 to 2019).
- High-Throughput *In-silico and In-vitro* screening of some selected Egyptian plants for the discovery of natural anticoagulant drugs (Ph. D) (2018 to the date).
- *In vitro* Study of the combined effect of propolis collected in Egypt and a specific pharmaceutical drug on α -amylase Inhibitory activities (M. Pharm. Sci.) (2018 to the date).
- *In vitro* Study of the combined effect of propolis and either allopurinol or febuxostat on free-radical scavenging and anti-xanthine oxidase activities (M. Pharm. Sci.) (2018 to 2020).
- Bioactivity-Guided Phytochemical Investigation of *Jacaranda mimosifolia* D.Don Grown in Egypt (M. Pharm. Sci.) (2019 to the date).
- Phytochemical study and biological activity of some resins belonging to family Burseraceae. (M. Pharm. Sci.) (2019 to the date).
- Immunomodulatory effect of some traditional medicinal plants on autoimmune disorders. (Ph. D) (2020 to the date).

Participating in the supervision of the following thesis granted by Department of Department of Oral Medicine, Periodontology Diagnosis and Radiology, Faculty of dentistry, Alexandria University, Egypt:

- The effect of topical chamomile in the prevention of chemotherapy-induced oral mucositis (M.Sc). (2019 to the date)

INTERNATIONAL CONFERENCES

- Participated with a poster presentation in **American Society of Pharmacognosy** August 2014 Annual Meeting –Held in conjunction with the **14th Annual Oxford International Conference on the Science of Botanicals**.
- Participated with an oral presentation in **International Conference on Pharmaceutical and Healthcare Sciences (PHS)** November **2019** Annual meeting.
- Participated with a poster presentation and oral presentation in Second PUA international conference “**Multidisciplinary Approaches in Pharmaceutical Sciences**” **ICMAPS 2020**

INTERNATIONAL PUBLICATIONS

- Ghallab, D.S.; Mohyeldin, M.M.; Shawky, E.*; Metwally, A.M; **Ibrahim, R.S.** Chemical profiling of Egyptian propolis and determination of its xanthine oxidase inhibitory properties using UPLC-MS/MS and chemometrics. **LWT-Food Science and Technology. 2020. In press**
- Fathy, H.M; AbdelHady, W; **Ibrahim, R.S.** In-silico recognition of liquorice phytoconstituents specially glabranin B as a potential cathepsin L inhibitor to hinder 2019-NCOV host cell entry. **International Journal of Pharmaceutical Sciences Review and Research. 2020. 64(1):197-202.**
- **Ibrahim, R.S;** Elmezayen, N. S.*; Khairy, A; Zaatout, H, H.; Hammada, H.M.; Metwally, A.M. Biologically-guided isolation of natural lead antithyroid drug from *Medicago sativa* L. sprouts and its toxic profile in comparison with propylthiouracil. **Journal of Food and Drug Analysis. 2020. 28 (3):407-448.**
- Shawky, E.*; Nada, A.A.; **Ibrahim, R.S.** Potential role of medicinal plants and their constituents in the mitigation of SARS-CoV-2: identifying related therapeutic targets using network pharmacology and molecular docking analyses. **Royal Society of Chemistry Advances. 2020. 10 (47), 27961-27983.**
- **Ibrahim, R.S.*;** Mahrous, R. SR.; Fathy, H.M.; Omar, A.A.; Abu EL-Khair, R.M. Anticoagulant activity screening of an in-house database of natural compounds for discovering novel selective factor Xa inhibitors; A combined In-silico and In-Vitro approach. **Medicinal Chemistry Research. 2020. 29, 707–726**

- **Ibrahim, R.S.***; In-silico screening of selected Apiaceae plants as melanogenesis inhibitors and their predicted skin permeability. **Records of Pharmaceutical and Biomedical Sciences. 2020**, 4 (1), 51- 61.
- **Ibrahim, R.S. ***; Khairy, A.; Zaatout, H, H.; Hammoda, H.M.; Metwally, A.M.; Salman, A.M. Chemometric evaluation of alfalfa sprouting impact on its metabolic profile using HPTLC fingerprint-efficacy relationship analysis modelled with partial least squares regression. **Journal of Pharmaceutical and Biomedical Analysis. 2020**, 179: 112990.
- Fantacuzzi, M.; De Filippis, B.; Gallorini, M.; Ammazalorso, A.; Giampietro, L.; Maccallini, C.; Aturki.Z; Donati, E.; **Ibrahim, R.S.**; Shawky, E.; Cataldi, A.; Amoroso, R. Synthesis, biological evaluation, and docking study of indole aryl sulfonamides as aromatase inhibitors. **European Journal of Medicinal Chemistry. 2020**, 185: 111815.
- **Ibrahim, R.S.***; Zaatout, H.H. Unsupervised pattern recognition chemometrics for distinguishing different Egyptian Olive varieties using a New Integrated densitometric reversed-phase High-Performance Thin-Layer Chromatography–image analysis technique. **Journal of Planar Chromatography-Modern TLC. 2019**, 32 (6): 453-460.
- **Ibrahim, R.S. ***; Khairy, A.; Zaatout, H, H.; Hammoda, H.M.; Metwally, A.M. Digitally-optimized HPTLC coupled with image analysis for pursuing polyphenolic and antioxidant profile during alfalfa sprouting. **Journal of Chromatography B. 2018**. 1099, 92–96.
- Dawood, H. M.; **Ibrahim, R.S.**; Shawky, E.; Hammoda, H.M.; Metwally, A.M. Integrated in silico-in vitro strategy for screening of some traditional Egyptian plants for human aromatase inhibitors. **Journal of Ethnopharmacology. 2018**, 224, 359–372.
- Shawky, E.; **Ibrahim, R.S.** Bioprofiling for the quality control of Egyptian propolis using an integrated NIR-HPTLC-image analysis strategy. **Journal of Chromatography B. 2018**, 1095, 75–86.
- **Ibrahim, R.S. ***; Fathy, H. Targeted and untargeted-metabolite profiling to track the compositional integrity of ginger during processing using digitally-enhanced HPTLC pattern recognition analysis. **Journal of chromatography B. 2018**, 1080: 59–63.
- **Ibrahim, R.S. ***; Metwally A.M. Plant source of Egyptian propolis using multivariate-assisted digitally-enhanced TLC data analysis. **J. Nat. Prod. Plant Resour. 2017**, 7(3): 20-25.
- **Ibrahim, R.S. ***; Seif El-Din, A.A.; Abu-Serie, M., Abd El Rahman, N.M.; El-Demellawy, M.; Metwally A.M. Investigation of in-vitro cytotoxic and potential anticancer activities of flavonoidal aglycones from Egyptian propolis. **Rec. Pharm. Biomed. Sci. 2017**, 1(2): 13-20.

- **Ibrahim, R.S. ***; Seif El-Din, A.A.; Abou-El-Ela, M.A.; Metwally, A.M. GC-MS analysis and antioxidant activity of volatiles from *Pluchea dioscoridis* (L.) DC. **Rec. Pharm. Biomed. Sci.** **2017**, 1 (2): 1-6.
- **Ibrahim, R.S. ***; Amira S. Wanas , A.S.; Seif EL-Din, A.A; Radwan, M.M; Elsohly, M.A.; Metwally, A.M. Isolation of eleven phenolic compounds from Propolis (Bee Glue) collected in Alexandria, Egypt. **Planta Medica** **2014**; 80 (10).

● REVIEWER For INTERNATIONAL JOURNALS

- Reviewer in “**Journal of chromatography B**”, impact factor 2.81
- Reviewer in “**Natural Product Research**” journal, impact factor 2.3.

● AWARDED FUNDED PROJECTS

- Award of “**Academic Thesis Research Fund (ATRF)**, Faculty of Pharmacy, Alexandria University” project. (2016 to 2019)
Project title: “Screening of some plants and natural products for aromatase inhibitory activity and isolation of some active compounds.”
- Award of “**Academic Thesis Research Fund (ATRF)**, Faculty of Pharmacy, Alexandria University” project. (2020 to the date)
Project title: “*In vitro* study of the Combined Effect of Propolis Collected in Egypt and a Specific Pharmaceutical Drug on α -Amylase Inhibitory Activity”.

● AWARDS FOR EXCELLENCE IN SCIENTIFIC PUBLISHING

- Eleven rewards for excellence in scientific publishing awarded from Alexandria university.

● AWARDED CERTIFICATES

Certificates gained from **International Board of Certified Trainers European Division (IBCT)** in the following:

- Designing and developing the digital content (2017).
- Funded research implementation and research team management (2017).
- University legal and financial aspects (2017).
- Infection control program in healthcare institutions (2017).
- Principles of quality management and patient safety in health care institution (2017).

- International publishing of research (2017).
- Quality standards in teaching (2013).
- The credit hour system (2013).
- Effective presentation skills (2013).
- Research ethics (2013).
- Research team management (2013).
- Communication skills (2007).
- Effective teaching (2007).
- Research methodology (2007).
- Decision making and problem solving (2007).
- Thinking skills (2007).

● SCIENTIFIC WORKSHOPS

- Certificate of participation in workshop held by Buchi company entitled “**Sample preparation and purification solutions – Hands on flash chromatography, freeze dryer and rotary evaporator**” (2019).
- Certificate of participation in workshop entitled “**Flipping classroom and web-2 tools**” (2018).
- **Trainer** in “**Alexandria Pharmaceutical Research Unit**” (APRU) (2017). Workshop title: “How to read, write and submit a scientific paper”.
- Certificate of attendance in seminar entitled “**Join us to know more about palliative care medicine**’ (2020). Faculty of Pharmacy, Alexandria University.

● IPSF

Certificate from **International Pharmaceutical Students’ Federation (IPSF)** for successfully hosting IPSF exchange of students within the **student exchange programme** 2017-2018.

● Clinical Pharmacy training

Certificate from the medical training department of “ICC” on the training course “Clinical practice for pharmacists” (Clinical pharmacology) - 2005.

● Computer skills

- Gaining an **International Computer Driving License (ICDL) certificate** from **ECDL foundation** – 2012.
- Experience in molecular docking and pharmacophore modelling, image analysis and multivariate chemometric software.

● Language skills

- Arabic, English and French.
- Certificate from the ESP center of Alexandria University for passing **TOEFL** exam -2013.