


Mohamed Farag

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Summary

I am a PhD holder in pharmacognosy (Natural products Chemistry) with a wide experience in doing research and academic teaching in addition to a technical experience as a community pharmacist, regulatory affairs specialist and quality control analyst.

Education

King Saud University Riyadh
Ph.D. in Pharmacognosy (natural products chemistry) (January **2021**, GPA 4.75)

King Saud University Riyadh
M.Sc. in Pharmacognosy (natural products chemistry) (December **2011**, GPA 4.4)

Cairo University Egypt
Bachelor of Pharmaceutical Sciences (May **2007**, Excellent with honor)

Professional Experience

Badr University Asyut
Lecturer at Pharmacognosy department **October 2024-till now**

Merit University Sohag
Lecturer at Pharmacognosy department **October 2023-August 2024**

- **Teaching fundamentals of Pharmacognosy & Phytochemistry** for undergraduate students

Courses

PG 101 (Medicinal plants)
PG 112 (Pharmacognosy-I)
PG 404 (Phytochemistry -1)

Egyptian Ministry of Health Fayoum
Hospital pharmacist **July 2022-September 2023**

King Saud University Riyadh
Researcher & teaching assistant **December 2007- April 2022**

- **Doing research** in isolation & identification of active constituents of ethno-botanicals and natural products.
- **Teaching fundamentals of Pharmacognosy & Phytochemistry** for undergraduate students

Courses

PHG 220 (Fundamentals of natural products)

PHG 323 (Herbal and alternative medicine)

PHG 415 (Evidence-based Herbal Medicine)

Khaldoun Saleem Al Howide EST. for Medications, Herbal Medicines and Cosmetics

Riyadh

Registration specialist

May 2008- April 2022(part time)

- Classifying health products into food supplements, cosmetics, medical devices or drugs according to SFDA criteria
- Preparing and revision of CTD files for food supplements, medical devices and drugs
- Communicating with international companies for being possible agent in Saudi Arabia

Arab Company for Pharm. & Medicinal plants (MEPAC Co.)

Anshas

Quality control analyst

August 2007- December 2007

- Analyzing raw materials, semi-finished and finished herbal products
- Preparing reports for production and QA departments

Published Articles and Books

[Persicaline, an alkaloid from *Salvadora persica*, inhibits proliferation and induces apoptosis and cell-cycle arrest in MCF-7 cells](#)

Open Chemistry 2023, 21 (1), 20220302 (WOS indexed journal)

[*Salvadora persica* L.: Toothbrush tree with health benefits and industrial applications – An updated evidence-based review](#)

Saudi Pharmaceutical Journal 2021, 29 (7), 751-763 (WOS indexed journal)

[Possible mechanism \(s\) underlying the antidiarrheal, antispasmodic and bronchodilatory activities of the pericarp of *Albizia lebbek*.](#)

International journal of pharmacology 2019, 15 (1), 56-65 (WOS indexed journal)

[Persicaline, a new antioxidant sulphur-containing imidazoline alkaloid from *Salvadora persica* roots](#)

Molecules 2018, 23 (2), 483 (WOS indexed journal)

[New acyclic secondary metabolites from the biologically active fraction of *Albizia lebbek* flowers](#)

Saudi Pharmaceutical Journal 2017, 25 (1), 110-119 (WOS indexed journal)

[A novel \$\beta\$ -lactam derivative, albactam from the flowers of *Albizia lebbek* with platelets anti-aggregatory activity *in vitro*](#)

Pakistan Journal of Pharmaceutical Sciences 2015, 28 (2), 745-53 (WOS indexed journal)

[The role of natural products in drug discovery and development](#)

World Journal of Pharmaceutical Research 2015, 4 (3), 1-12

[The role of medicinal plants in the treatment of type-2 diabetes](#)

Advanced Journal of Pharmacy and Life Science Research 2014, 2 (4),1-8

Book entitled with *Albizia Lebbeck* Flowers Growing in Saudi Arabia: Phytochemical and Biological Evaluation

LAMBERT Academic Publishing, ISBN-10: 3659590541, August 2014.

[Detection of Hypoglycemic and Antidiabetic Fraction in Ethanol Extract of *Jatropha curcas* Aerial Parts](#)

Pharmacology & Pharmacy 2014, 5, 663-669

[Phytochemical, antimicrobial and antiprotozoal evaluation of *Garcinia mangostana* pericarp and \$\alpha\$ -mangostin, its major xanthone derivative](#)

Molecules 2013, 18 (9), 10599-10608 (WOS indexed journal)

[Evaluation of some biological activities of *Albizia lebbeck* flowers](#)

Pharmacology & Pharmacy 2013, 4, 473-477

Conferences

Participated in the **15th International Conference on the Science of Botanicals** (13th April- 16th April **2015, Oxford, Mississippi USA**): Poster published in **WOS journal (*Planta Medica* 2015, 81(05) PB4)**.

Participated in **International Congress** of the GA (29th August- 2nd September 2010, **Berlin, Germany**): Poster published in **WOS journal (*Planta Medica* 2010, 76:1163-74 P349)**.

Participated in **International Congress** of the GA (16-20 August 2009, **Geneva, Switzerland**): Abstract published in **WOS journal (*Planta Medica* 2009, 75: 877-49 SL 31)**.

Research Skills

Good experience in using different instruments such as **preparative HPLC, HPTLC, GC, NMR, atomic absorption, UV and FT-IR**.

Different chromatographic techniques for isolation and purification of secondary metabolites from natural products such as:

- Column chromatography (flash; charcoal, MPLC and classical).
- Sephadex HL-20 and Diaion HP-20 filtration.

Structural elucidation of isolated compounds using different spectroscopic techniques such as UV, IR, MS. and NMR.

In-vitro antioxidant assays such as DPPH, nitric oxide and superoxide anion scavenging radical assays.

Fellowships and Awards

The third prize in the ninth KSU students scientific meeting **which was awarded by the university rector Prof. Dr. Badran Al-Omar.**

PAD (Pädagogische Austauschdienst) fellowship as one of the best twelve Egyptian Students in German language, Germany. August 2001.

Participation in Funded Research Projects

Graduate student researcher in Research Group No. RG, 1437-021, funded by the Deanship of Scientific Research, King Saud University.

Courses

Data analysis challenger track	UDACITY, December 2022
NMR workshop	Prince Sattam Bin Abdulaziz University, May 2019
Effective Academic Teaching Skills	King Saud University, October 2008
Clinical Pharmacology	The Egyptian Ministry of Health, August 2006
First Aid & Life Support	The Egyptian Ministry of Health, July 2006
German language	Goethe Schule, Germany, August 2001

Training

QC, QA & production at JEDCO International Pharmaceuticals company	July 2007
QC, QA & production at VACSERA	August 2006
Pharmacognosy Department at National Organization for Drug Control & Research	July 2006
Pharmacognosy Department at National Research Center	July 2005

Languages

English: Very good (written and spoken). **IELTS Score: 6.5**

German: Fair

Computer skills

Excellent in computer skills specially Microsoft Office, ChemOffice, Adobe Photoshop, Endnote X9 and Internet.

References

Prof. Dr. Ali Ali Hassan El Gamal

- Pharmacognosy department, College of pharmacy, King Saud University, P.O. Box 2457, Riyadh 11451, Saudi Arabia.
- Pharmacognosy Department, Faculty of Pharmacy, Mansoura University, El-Mansoura P.O. Box 35516, Egypt.

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Prof. Dr. Wael Moustafa Abdel-Mageed

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- Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut P.O. Box 71526, Egypt.

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Associate professor Dr. Omer Basudan

- Pharmacognosy department, College of pharmacy, King Saud University, P.O. Box 2457, Riyadh 11451, Saudi Arabia.

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Useful links

<https://www.linkedin.com/in/dr-mohamed-farag-532510171/>
<https://scholar.google.com/citations?user=ClktlFoAAAAJ&hl=en>
https://www.researchgate.net/profile/Mohamed_Farag2