

Hosam Magdy El-Seadawy

Assistant Professor

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researchgate.net/profile/Hosam-El-Seadawy | scholar.google.com/citations?user=aNyse7MAAAAJ&hl=ar&authuser=1

Assistant Professor of Pharmacognosy currently works at the Faculty of Pharmacy, Tanta University, Egypt. Having excellent practical skills in the extraction and isolation of various promising biological active metabolites from natural sources using chromatographic techniques as well as the structure elucidation of these metabolites by different spectroscopic techniques. Having experience in teaching several pharmacognosy courses, including Medicinal plants, Pharmacognosy, Phytochemistry, Applied Pharmacognosy, Phytotherapy and Complementary alternative medicine courses.

EDUCATION

2018 - 2023

PhD degree in Pharmacy (Pharmacognosy)

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

Thesis title: Phytochemical and Biological Investigation of *Cycas rumphii* Miq. and *Zamia floridans* A. DC. Belonging to Cycadales Order and Cultivated in Egypt

2014 - 2018

M. Sc. degree in Pharmacy (Pharmacognosy)

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

Thesis title: Phytochemical and Biological Investigation of *Urtica urens* L. Growing in Egypt

2011 - 2013

Postgraduate Certificate in Pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

Graduation grade: very good

2005 - 2010

B.Sc. of Pharmaceutical Sciences

Faculty of Pharmacy, Tanta University, Tanta, Egypt.

Graduation grade: excellent with honour, ranked the 9th among 1200 students.

WORK EXPERIENCE

FEB 2025 - PRESENT (PART TIME)

Assistant professor of pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, New Mansoura University (NMU), New Mansoura, Egypt

AUG 2024 - PRESENT (PART TIME)

Assistant Professor of Pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, Mnoufia National University (MNU), Mnoufia, Egypt.

MAR 2023 - PRESENT

Assistant Professor of Pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

MAR 2018 - JAN 2023

Assistant Lecturer of Pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

DEC 2011

Teaching Assistant of Pharmacognosy

Pharmacognosy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt.

PROFESSIONAL ACCOMPLISHMENTS

MAR 2023 - PRESENT
Head of live broadcast team
Faculty of Pharmacy, Tanta University, Egypt.

2018 - PRESENT
Participate in the control team of undergraduate and postgraduate exams works
Faculty of Pharmacy, Tanta University, Egypt.

2016 - PRESENT
Member of Occupational Safety and Health, Crisis and Disaster Management Unit
Faculty of Pharmacy, Tanta University, Egypt.

2013 - PRESENT
Participate in graduation party organization for Faculty of Pharmacy, Tanta University graduates.

2012 - 2022
Member in Tanta University medical convoys to several villages in Gharbia Governorate, Egypt.

2012 - PRESENT
Executive team member in Quality Assurance and Accreditation Unit
Faculty of Pharmacy, Tanta University, Egypt.

CONFERENCES AND WORKSHOPS

27 APR 2026
3rd international scientific conference entitled “Next-Gen pharmacy: Green innovation, sustainability and artificial intelligence.
Faculty of Pharmacy, October 6 University

10 MAR 2024
Digital library-Egyptian knowledge Bank
Faculty of Pharmacy-Tanta University

7 DEC 2022 - 3 JAN 2023
Fundamentals of Digital Transformation Workshop
Information and Communication Technology Training Center (ICT), Tanta University, Egypt.

24 DEC 2022 - 25 DEC 2022
Organizing Scientific Conferences Workshop
Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

19 DEC 2022 - 20 DEC 2022
Quality Standards in The Teaching Process Workshop
Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

17 DEC 2022 - 18 DEC 2022
Strategic Planning Workshop
Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

14 DEC 2022 - 15 DEC 2022
Communication Skills Workshop
Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

12 DEC 2022 - 13 DEC 2022
Scientific Research Ethics Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

10 DEC 2022 - 11 DEC 2022

The Use of Technology in Teaching Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

29 JAN 2019 - 1 FEB 2019

Poster presentation entitled Phytochemical and Biological Inves- tigation Of Urtica urens L. Growing In Egypt

The First African Health Summit hosted by Tanta University, Egypt.

7 FEB 2017 - 9 FEB 2017

Credit Hour System Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

28 JAN 2017 - 30 JAN 2017

Research Team Management Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

21 AUG 2016 - 25 AUG 2016

Occupational Safety and Health Workshop

National Institute For Occupational Safety, Health and Work Environment Insurance (NIOSH), Tanta University, Egypt.

25 JUL 2016 - 27 JUL 2016

Oral presentation and publishing abstract entitled Phytochemical and Biological Inves- tigation Of Urtica urens L. Growing In Egypt

4th Conference for Enhancing Scientific Research (ESR 2016), Tanta University, Egypt.

2 AUG 2016 - 4 AUG 2016

University Administration Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

26 JUL 2016 - 28 JUL 2016

Research Ethics Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

19 JUL 2016 - 21 JUL 2016

Effective Presentation Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

2 JUL 2016 - 4 JUL 2016

Student Assesment and Evaluation Workshop

Faculty and Leadership Development Project (FLDP) Centre, Tanta University, Egypt.

TEACHING EXPERIENCE

- Theoretical and Practical Medicinal plants, Pharmacognosy, Phytochemistry, Applied pharmacognosy, Quality control of herbal drugs, phytotherapy and complementary alternative medicine courses.
- preparation of exams and results announcement.
- Teaching postgraduate practical courses.

RESEARCH EXPERIENCE

- Extraction and fractionation of different medicinal plants extracts.
- Isolation and purification of natural metabolites using different chromatographic techniques including: Silica, Diaion, Sephadex and Polyamide.
- Identification, characterization and structure elucidation of pure isolated compounds by various spectroscopic techniques including: UV, IR, MS, NMR and LC/MS-MS.
- Investigate the various biological activities of the plant extracts and their pure metabolites.

SKILLS

ONLINE LECTURES AND MEETINGS

REFERENCE ORGANIZING SOFTWARES

Excellent in Microsoft Teams and Zoom

Excellent in Mendeley software

STATISTICS SOFTWARES

Very good in SPSS Software

GRAPHIC SOFTWARES

Very good in Photoshop, Image J Softwares, Biorender and Cytoscape

CHEMICAL DRAWING

Excellent in Chemdraw and Marvin Sketch Softwares

NMR & MASS SOFTWARES

Excellent in Bruker TOP SPIN, Jeol Delta, MNOVA, MZmine Software Processing and GNPS

MICROSOFT OFFICE

Excellent in (Word, Power point, Excel)

ENGLISH LANGUAGE

Excellent, Talking and Writing

ARABIC LANGUAGE

Mother Tongue

PUBLICATIONS

- Mira, A., Aljarba, T. M., Abdel Bar, F. M., Ahmed, R., Negm, W. A., Elekhnawy, E., ... & Younis, S. S. (2025). Antiparasitic and antimicrobial activity of Ipomoea palmata against Toxoplasma gondii and Staphylococcus aureus: correlation with major phenolics identified by HPLC. *Artificial Cells, Nanomedicine, and Biotechnology*, *53*(1), 194-206.
- El-Seadawy, H. M., Ragab, A. E., El-Aasr, El-Seoud, K. A. A., Elblihy, A. A., El-Alfy, E. S., ... & Elseadawy, R. (2025). Phytochemical content of Cycas rumphii n-butanol fraction and antiprotozoal activity against Toxoplasma gondii in vivo. *Scientific Reports*, *15*(1), 15697.
- El-Seadawy, H. M., El-Shabasy, R. M., & Zayed, A. (2024). Rediscovering the chemistry of the Cunninghamella species: potential fungi for metabolites and enzymes of biological, industrial, and environmental values. *RSC advances*, *14*(51), 38311-38334.
- Zayed, A., El-Seadawy, H. M., Attia, E. Z., I. Rushdi, M., & Abdelmohsen, U. R. (2024). Adopting biorefinery and a circular bioeconomy for extracting and isolating natural products from marine algae. *Frontiers in Natural Products*, *3*, 1425242
- Alotaibi, B., El-Masry, T. A., Elekhnawy, E., Mokhtar, F. A., El-Seadawy, H. M., & Negm, W. A. (2024). Studying the effects of secondary metabolites isolated from Cycas thouarsii R. Br. leaves on MDA-MB-231 breast cancer cells. *Artificial cells, nanomedicine, and biotechnology*, *52*(1), 103-113.
- El-Seadawy, H. M., Abo El-Seoud, K. A., El-Aasr, M., & Ragab, A. E. (2023). Phytochemical profile, Ethnobotanical and Biological Impacts of Various *Zamia* Species: A Mini-Review. *Journal of Advanced Medical and Pharmaceutical Research*.
- El-Seadawy, H. M., Abo El-Seoud, K. A., El-Aasr, M., & Ragab, A. E. (2023). Cycadaceae: An Important Source for Biflavonoids and Various Pharmacological Effects of Different *Cycas* Species. *Journal of Advanced Medical and Pharmaceutical Research*.
- El-Seadawy, H. M., Abo El-Seoud, K. A., El-Aasr, M., Tawfik, H. O., Eldehna, W. M., & Ragab, A. E. (2022). Evaluation of *Zamia floridana* A. DC. Leaves and Its Isolated Secondary Metabolites as Natural Anti-Toxoplasma and Anti-Cancer Agents Using In Vitro and In Silico Studies. *Metabolites*, *13*(1), 10.
- El-Seadawy, H. M., Abo El-Seoud, K. A., El-Aasr, M., Tawfik, H. O., & Ragab, A. E. (2022). Toxoplasmocidal and Cytotoxic Activities Guided Isolation and Characterization of an Undescribed Bioflavonoid-di-C-glucoside from *Cycas rumphii* Miq. Cultivated in Egypt. *Plants*, *11*(21), 2867.
- El-Seadawy, H. M., KA, A. E. S., Kabbash, A. M., El-Aasr, M., & Attia, G. I. (2018). Phytochemical and Biological investigation of *Urtica urens* growing in Egypt. *International Research of Pharmacy*, 9(1), 25-35

REFERENCES

- Prof. Dr. Mona Abd El-Hamid El-Aasr

Professor of Pharmacognosy and Dean of Faculty of Pharmacy, Tanta University, Tanta, Egypt.

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