

Curriculum Vitae



- **Name:** Mostafa Mahmoud Hegazy
- **Title:** Associate Professor
- **Department:** Pharmacognosy
- **E-mail:** mostafa.saleh@su.edu.eg

A) Academic Qualifications:

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|------------------------------------|----------------------|------------|
| - Bachelor's Degree in Pharmacy | University: Al-Azhar | Year:2003 |
| - Master's Degree in Pharmacognosy | University: Al-Azhar | Year: 2011 |
| - Ph.D. in Pharmacognosy | University: Al-Azhar | Year: 2015 |

• Other Qualifications:

Website coordinator of Sinai University (Arish Branch).

Editorial Board Member for Journal of Umm Al-Qura University for Medical Sciences.

Guest Editor for Journal of Evidence-Based Integrative Medicine (JEBIM).

Scientific consultant at Pananx Pharma Company.

Reviewer for many prestigious publishing houses (MDPI Reviewer Board Member).

Novelist and I have authored two published novels (The last tabiya novel and Sinmar novel).

B) Academic promotions:

- Demonstrator, Date: September 2004
- Assistant Lecturer, Date: February 2011
- Lecturer, Date: February 2015
- Assistant Professor, Date: February 2022

C) Scientific Merit:

- Google Scholar <https://scholar.google.com/citations?user=87zXWHYAAAAJ&hl=en>
- Scopes ID 57208160269
- Citations: 305 h-index: 7 i10-index: 7
- Orcid –N <https://orcid.org/0000-0001-8975-9424>

D) Academic Administrative Experiences:

- Head of Pharmacognosy Department, Faculty of Pharmacy, Sinai University (Arish Branch).
- Head of media office at faculty of pharmacy and media coordinator at media center of Al-Azhar University 2020-2023.

E) Scientific Activities

1: Membership of Professional Organizations and Scientific Societies:

Member of the Syndicate of the Egyptian Pharmacists (July 2003).

2: Training Courses/workshops:

1. My article was linked to the United Nations Sustainable Development Goals, helping to tackle some of the world's greatest challenges. <https://doi.org/10.1016/j.sjbs.2021.06.044>.

Metwaly, Ahmed M., Mohammed M. Ghoneim, Ibrahim H. Eissa, Islam A. Elsehemy, Ahmad E. Mostafa, Hegazy, M. M., Wael M. Afifi, and Deqiang Dou. (2021). Traditional ancient Egyptian medicine: a review. *Saudi Journal of Biological Sciences*. <https://doi.org/10.1016/j.sjbs.2021.06.044>.

2. Journal Editor workshop at Nature Research Academies.
3. Logical Manuscript Structure workshop at Nature Research Academies.
4. Improving student information collection skills through lecturing in effective searching and right sources picking for the scientific information on the internet.
5. Researcher connect Modules workshops (Foundations, Abstracts, Academic Writing and Persuasive Proposals) at British Council.
6. CellPress Journals awareness workshop, Researcher Academy, ELSEVIER.
7. Communication Skills at Al-Azhar Center for Development and Training.
8. Journal indexing criteria in the Web of Science (Thomson Reuters) Workshop.
9. Clinical Key Overview for Pharmacy & Science workshop, Researcher Academy, ELSEVIER.
10. Using EasyDNN modules programs in designing of faculty official Website plain template.
11. Self-Evaluation Scales for Higher Education Institutions at Quality Assurance center, Al-Azhar University.
12. Exam systems and student assessment at Quality Assurance center, Al-Azhar University.
13. Techniques of designing and preparing scientific research at Quality Assurance center, Al-Azhar University.
14. Effective Presentation Skills at Quality Assurance center, Al-Azhar University.
15. Curriculum maps and descriptions at Quality Assurance center, Al-Azhar University.
16. The Research Funding and Collaboration workshop, Clarivate Analytics.
17. Competency-Based Learning Course, World Health Organization.
18. The fundamentals of digital marketing Course, Google Company.
19. Designing a scientific blog and YouTube channel on internet space both named Pharmacognosy and Herbal Medicine for students to make sure that the pharmacognosy is no longer a hard subject.

<http://cognosy4all.blogspot.com.eg/>

<https://www.youtube.com/channel/UCNau07JjavE0C7QZjIPFUOg>

In Arabic to make the herbal medicine an easy subject for non-pharmacy students.

<https://www.facebook.com/dr.Mostafa.Hegazy>

صفحة معلومه تهمةك

3: Conferences, Seminars and Workshops:

Member of the Organizing Committee of Al-Azhar 7th International Conference for Pharmaceutical and Biological sciences (October 22 - 23, 2022).

Member of the Organizing Committee of Al-Azhar 5th International Conference for Pharmaceutical and Biological sciences (September 14 - 15, 2017).

Member of the Organizing Committee of Al-Azhar 4th International Conference for Pharmaceutical and Biological sciences (February 13 - 15, 2006).

4: Teaching Scopes:

1. Theoretical and Practical Pharmacognosy I and II for primary and 2nd year.
2. Phytochemistry for 3rd year.
3. Applied Phytochemistry for 4th year and NMR courses for 5th year.
4. Herbal Medicine.
5. Tissue culture & Biotransformation.
6. Helping in the administration of exams & results preparation and announcement.
7. Sharing in phytochemistry theoretical and practical book preparation.
- 8- Clinical Aromatherapy workshop.

5: Scientific supervision number: 8

6: Awards and Certificates of Appreciation:

1. form Journal of Umm Al-Qura University for Medical Sciences as Editorial Board Member
2. from MDPI publishing house as a MDPI Reviewer Board Member

7: Peer reviewing of scientific research/ Projects: Reviewer for many prestigious publishing houses such as MDPI, Dovepress and Hindawi publishing houses.

8: Consultancy Experience: Scientific consultant at many Pharmaceutical Companies.

F) Scientific Publications:

-International journals

1. Mohammed, H. A., Abd-Elraouf, M., Sulaiman, G. M., Almahmoud, S. A., Hamada, F. A., Khan, R. A., ... & Ismail, A. (2023). Variability in the volatile constituents and biological activities of *Achillea millefolium* L.

essential oils obtained from different plant parts and by different solvents. *Arabian Journal of Chemistry*, 105103.

2. Ibrahima, T., Hegazy, M., Maatooq, G., & Hela, A. E. (2023). Ultra-Performance Liquid Chromatography Coupled with Quadrupole High-Resolution Time-of-Flight Mass Spectrometry for Metabolite Profiling and Biological Activity of *Stellaria pallida* (Dumort) Piré. accepted for publication in *Medicinal Chemistry Research*.

3. Al-Thani, G., Ibrahim, A. E., Alomairi, M., Salman, B. I., Hegazy, M. M., Al-Harrasi, A., & El Deeb, S. (2023). Toxic Elemental Impurities in Herbal Weight Loss Supplements; A Study Using ICP-OES Microwave-Assisted Digestion. *Toxics*, 11(3), 272.

4. El-Hela, A. A., Bakr, M. S. A., Hegazy, M. M., Dahab, M. A., Elmaaty, A. A., Ibrahim, A. E., ... & Abbass, H. S. (2023). Phytochemical Characterization of *Pterocephalus frutescens* with In-Silico Evaluation as Chemotherapeutic Medicine and Oral Pharmacokinetics Prediction Study. *Scientia Pharmaceutica*, 91(1), 7.

5. Hegazy, M. M., Afifi, W. M., Metwaly, A. M., Radwan, M. M., Abd-Elraouf, M., Mehany, A. B., ... & Mostafa, A. E. (2022). Antitrypanosomal, Antitopoisomerase-I, and Cytotoxic Biological Evaluation of Some African Plants Belonging to Crassulaceae; Chemical Profiling of Extract Using UHPLC/QTOF-MS/MS. *Molecules*, 27(24), 8809.

6. Atef A. El-Hela, Mostafa M. Hegazy, Hatem S. Abbass, Amal H. Ahmed, Marwa S. Abu Bakr, Rawah H. Elkousy, Adel Ehab Ibrahim, Sami El Deeb, Ossama M. Sayed and Enas S. Gad (2022). *Dinebra retroflexa* Herbal Phytotherapy: A Simulation Study Based on Bleomycin-Induced Pulmonary Fibrosis Retraction Potential in Swiss Albino Rats. *Medicina*, 58(12), 1719.

<https://doi.org/10.3390/medicina58121719>

7. Ibrahima, T., Hegazy, M., & Hela, A. E. (2022). Profiling of Biologically Active Metabolites of *Spergula fallax* L. Using High-Resolution UPLC-QTOF-MS. *Current Pharmaceutical Biotechnology*. DOI: [10.2174/1389201023666220209125306](https://doi.org/10.2174/1389201023666220209125306).

8. Mohamed, M., Salah, M., & Hegazy, M. M. (2021). Possible Etiological Factors of Self-Medication- A Practical Study on Different Groups. *Journal of Environmental Science*. Ain Shams, 50(11), 443-468.

9. Metwaly, Ahmed M., Mohammed M. Ghoneim, Ibrahim H. Eissa, Islam A. Elsehemy, Ahmad E. Mostafa, Hegazy, M. M., Wael M. Afifi, and Deqiang Dou. (2021). Traditional ancient Egyptian medicine: a review. *Saudi Journal of Biological Sciences*. <https://doi.org/10.1016/j.sjbs.2021.06.044>.

10. Abdelgawad, M. A., Musa, A., Almalki, A. H., Alzarea, S. I., Mostafa, E. M., Hegazy, M. M. & Al-Sanea, M. M. (2021). Novel Phenolic Compounds as Potential Dual EGFR and COX-2 Inhibitors: Design, Semisynthesis, in vitro Biological Evaluation and in silico Insights. *Drug Design, Development and Therapy*, 15, 2325.

11. Taha A. Kedra, Mostafa M. Hegazy, Abd El-Salam Ibrahim and Lotfy D. Ismail (2021). Cytotoxic Potentials and Phytoconstituents Profiling of *Blepharis edulis* (FORSSK.) PERS. Using UHPLC/Q-TOF-MS-MS. *Al-Azhar Journal of Pharmaceutical Sciences*, 63(1), 37-56.

12. Mostafa M. Hegazy, Ahmed M. Metwaly, Ahmad E. Mostafa, Mohamed M. Radwan, Ahmed B. M. Mehany, Eman Ahmed, Shymaa Enany, Sameh Magdeldin, Wael M. Afifi, and Mahmoud. A. ElSohly (2021). Biological and chemical evaluation of some African plants belonging to *Kalanchoe* species: Antitrypanosomal, cytotoxic, antitopoisomerase I activities and chemical profiling using ultra-performance liquid chromatography/quadrupole-time-of-flight mass spectrometer. *Pharmacognosy Magazine*, 17(73), 6.

13. Mohammed, H. A., Khan, R. A., Abdel-Hafez, A. A., Abdel-Aziz, M., Ahmed, E., Enany, S. & Hegazy, M. M. (2021). Phytochemical Profiling, In Vitro and In Silico Anti-Microbial and Anti-Cancer Activity Evaluations and Staph GyraseB and h-TOP-II β Receptor-Docking Studies of Major Constituents of *Zygophyllum coccineum*

L. Aqueous-Ethanollic Extract and Its Subsequent Fractions: An Approach to Validate Traditional Phytomedicinal Knowledge. *Molecules*, 26(3), 577.

14. El-Hela, A. A., Hegazy, M. M., Bakr, M. S. A., & Abbass, H. S. (2020). Profiling of antiviral and antioxidant phytochemicals of *Pterocephalus frutescens* Hochst. using high-resolution ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometer. *Pharmacognosy Magazine*, 16(71), 592.

15. Dahab, M. A., Hegazy, M. M., & Abbass, H. S. (2020). Hordatines as a Potential Inhibitor of COVID-19 Main Protease and RNA Polymerase: An In-Silico Approach. *Natural products and bioprospecting*, 10(6), 453-462.

16. Hegazy, M. M., Saeid Kottb & Atef A El-Hela (2019). Biological evaluation and isolation of secondary metabolites from the endophytic fungus *Penicillium oxalicum*. *IJGHC; Sec. B; Vol.8, No.3*, 326-332.

17. Mohammed, Hamdoon A., Abdel-Aziz, Marwa M., Hegazy, M. M. 2019. Anti-Oral Pathogens of *Tecoma stans* (L.) and *Cassia javanica* (L.) Flower Volatile Oils in Comparison with Chlorhexidine in Accordance with Their Folk Medicinal Uses. *Medicina* 55, no. 6: 301.

18. Mohammed, H. A., Al-Omar, M. S., Aly, M. S., & Hegazy, M. M. (2019). Essential Oil Constituents and Biological Activities of the Halophytic Plants, *Suaeda Vermiculata* Forssk and *Salsola Cyclophylla* Bak. Growing in Saudi Arabia. *Journal of Essential Oil-Bearing Plants*, 22(1), 82-93.

19. Saleh, M., Ghoneim, M., El-Hela, A., & Kotb, S. (2015). Biologically Active Secondary Metabolites from *Kalanchoe tomentosa*. *Journal of Biomedical and Pharmaceutical Research*, 3(6).

Book chapters author

20- Mekky R.H., Hegazy M.M., Cádiz-Gurrea M. L., Fernández-Ochoa Á., Segura Carretero A. (2021) Bioactive Phytochemicals from Sesame Oil Processing By-products. In: Ramadan Hassanien M.F. (eds) Bioactive Phytochemicals from Vegetable Oil and Oilseed Processing By-products. Reference Series in Phytochemistry. Springer, Cham. https://doi.org/10.1007/978-3-030-63961-7_9-1

21- Hegazy, M. M., & Al-Qahtani, W. H. (2022). In Vitro Production of Phytosterols. In *Nutraceuticals Production from Plant Cell Factory* (pp. 321-343). Springer, Singapore.

22- Mostafa M. Hegazy, Reham Hassan Mekky, Wael M. Afifi, Ahmad E. Mostafa, and Hatem S. Abbass (2023). Composition and Biological Activities of *Ficus carica* Latex. In *Fig (Ficus carica): Production, Processing, and Properties*. Springer Nature Switzerland.

23- Reham Hassan Mekky, Mostafa M. Hegazy, Wael M. Afifi, Ahmad E. Mostafa, Muhamad Abd-Elraouf, and Hatem S. Abbass (2023). Composition and functional properties of cardamom leaves. In *Cardamom (Elettaria cardamomum) Production, Processing, and Properties*. Springer Nature Switzerland.

Book Editor

24- Book title: Natural Remedies in Disease Management and Treatment (2025). The project for CRC press Taylor and Francis.

- National journals

25. Mohammed A. A. Zaki, Hegazy, M. M., Ahmed B. M. Mehany, Lotfy D. Ismail and Hazem A. Kadry (2019). New Dovyalicin-type Spermidine Alkaloid from *Dovyalis caffra* (Warb.); Family: Salicaceae, cultivated in Egypt. *Al-Azhar Journal of Pharmaceutical Sciences*, 59(1), pp.88-106.

26. Taha A. Kedra, Hegazy, M. M., Abd El-Salam Ibrahim and Lotfy D. Ismail (2017). Biological investigation of *Barleria Cristata* belonging to family Acanthaceae cultivated in Egypt. *The fifth Al-Azhar International Conference for Pharmaceutical and Biological Sciences*, Cairo, Egypt.
27. Mohammed A. Zaki, Hegazy, M. M., Hazem A. Kadry and Lotfy D. Ismail (2017). Phytochemical and Biological Investigation of *Dovyalis caffra* (Warb.); Family: Salicaceae, cultivated in Egypt. *The fifth Al-Azhar International Conference for Pharmaceutical and Biological Sciences*, Cairo, Egypt.
28. Selmy, A. H., Hegazy, M. M., El-Hela, A. A., Saleh, A. M., & El-Hamouly, M. M. (2023). In vitro and in silico studies of Neophytadiene; a diterpene isolated from *Aeschynomene elaphroxylon* (Guill. & Perr.) Taub. as apoptotic inducer. *Egyptian Journal of Chemistry*.
29. Ahmed H. Elsayed, Atef A. El-Hela, Mostafa M. Hegazy, Mohammed M. El-Hamouly (2022). Phytochemical and biological investigation of *Aeschynomene elaphroxylon* (Guill. & Perr.) cultivated in Egypt. *The Seventh Al-Azhar International Conference for Pharmaceutical and Biological Sciences*, Cairo, Egypt.

G) Quality Assurance in Higher Education:

- Head of Mass Communication Committee for Quality Assurance and Accreditation Unit 2017-2023.
- Coordinator for lectures and seminars for Quality Assurance and Accreditation Unit 2016-2017.
- Faculty of Pharmacy, Al-Azhar University official Website Coordinator 2017- 2023.

H) Skills

- Language Skills:

English: Excellent talking and writing.

- Computer Skills:

1. Excellent in driving the Microsoft Office (Word, Excel, Access, and Power Point).
2. Using National Institute of Standards and Technology (NIST) software of mass spectral database for metabolomics structure elucidation.
3. Using MestreNova software for processing of NMR data.
4. ChemOffice for chemical structure.
5. Networks installation, administration & maintenance.
6. Basic knowledge of Graphic applications (as Photoshop, chemdraw).
7. Excellent experience in dealing with Internet, driven from my past work experience and own experimentation.
8. International computer driving license (ICDL).

- Presentation skills: Excellent

- Other skills: Excellent communication and collaboration skills