

Curriculum Vitae

Wafaa Mostafa El-Kady, Ph.D.



Birth date: July 9, 1980.

Birthplace: Doha, Qatar.

Marital status: Married.

Present Position: Associate Professor, Head of Pharmacognosy and Medicinal Plants Department, Faculty of Pharmacy, Future University in Egypt.

E-mail Address: wafaa_elkady80@yahoo.com, welkady2014@gmail.com

Education: Secondary stage certificate, Alwakra secondary school in Qatar (97%).

Languages: Arabic & English.

Academic Degrees:

- **Ph.D Degree** (Pharmacognosy department - Faculty of Pharmacy, Helwan University – 2015).
- **Master Degree** (Pharmacognosy department - Faculty of Pharmacy, Helwan University – 2009).
- **B.Sc. in Pharmaceutical Sciences** (Faculty of Pharmacy- Helwan University, May/2002).

H-index

H-index according to Google scholar author Profile is (12) [Wafaa M. El Kady - Google Scholar](#)

Orchid ID

<https://orcid.org/0000-0002-7656-3892>

Previous Positions:

- **Future University in Egypt (FUE) [August 2020- August 2024]**
Associate Professor
- **Future University in Egypt (FUE) [April 2015- August 2020]**
Lecturer
- **Future University in Egypt (FUE) [April 2010- April 2015]**
Lecturer assistant
- **Modern Science & Arts University (MSA) [September 2005 – January 2007]**
Teaching assistant in Microbiology and Pharmacognosy Dept. - Faculty of Pharmacy.
Registration team member, prepare time schedules for credit hours students.
- **Seif group Pharmacies [December 2002 – August 2005]**
Community Pharmacist
Dealing with medical insurance companies

List of Publications

1. Eid, Omneya, Mohamed A. Salem, Osama G. Mohamed, Shahira Ezzat, Ashootosh Tripathi, Menna A. Ewida, Abeer El Sayed, Essam Abdel-sattar, and **Wafaa M. Elkady**. "Metabolomic Profiling of Barley Extracts Obtained via Different Solvents and Evaluation of Their Anti-Inflammatory Efficacy." *Food Bioscience* (2024): 104682.
2. Mostafa, Heba Sayed, Fatma Fakher Ramadan, Hagar Ahmad Emam, Engy Raafat Shaker, **Wafaa Mostafa El Kady**, and Aya Khaled Sayed. "Kiwi (*Actinidia deliciosa*) juice as a natural inhibitor of the enzymatic activity of sugarcane juice, insights from experimental assessment and molecular docking analysis." *Food Chemistry* (2024): 140133.
3. Fathallah, Noha, **Wafaa M. Elkady**, Sara A. Zahran, Khaled M. Darwish, Sameh S. Elhady, and Yasmin A. Elkhawas. "Unveiling the Multifaceted Capabilities of Endophytic *Aspergillus flavus* Isolated from *Annona squamosa* Fruit Peels against Staphylococcus Isolates and HCoV 229E—*In Vitro* and *In Silico* Investigations." *Pharmaceuticals* 17, no. 5 (2024): 656.
4. Eid, Omneya, Shahira Ezzat, **Wafaa M. Elkady**, and Abeer El Sayed. "Evaluation of antioxidant activity in different Egyptian barley cultivars: an *in vitro* and *in silico* study." *Future Journal of Pharmaceutical Sciences* 10, no. 1 (2024): 1-12.
5. Zaghlol, Ahmed A., Zeinab A. Kandil, Miriam F. Yousif, Riham Salah EL-Dine, and **Wafaa M. Elkady**. "Unveiling the anti-cancer potential of *Euphorbia greenwayi*: cytotoxicity, cell migration, and identification of its chemical constituents." *Future Journal of Pharmaceutical Sciences* 10, no. 1 (2024): 24.
6. **Wafaa M. Elkady** M., Iriny M. Ayoub, Ahmed K. El Mehrate, Mohamed Emad, Mohamed Tarek, Ahmed El Gdeily, El-Romisaa Mohamed et al. "Valorization of Citrus peels: GC/MS-based metabolites profiling, multivariate analysis, and antiaging potential." *Archiv der Pharmazie* (2024): e2300742.
7. Ahmed Zaghlol; Zeinab Kandil; Miriam Yousif; Riham Salah El Dine; **Wafaa M. Elkady**. "Phytochemical Analysis of *Euphorbia greenwayi* Aerial Parts: Antioxidant and Anti-inflammatory Potential". *Egyptian Journal of Chemistry* (2023).
8. Eid, Omneya, **Wafaa M. Elkady**, Shahira Ezzat, Abeer El Sayed, and Essam Abdelsattar. "Comprehensive overview: the effect of using different solvents for barley extraction with its anti-inflammatory and anti-oxidant activity." *Chemistry & Biodiversity* (2023).

9. Alomar, Hatun A., **Wafaa M. Elkady**, Marwa M. Abdel-Aziz, Taghreed A. Ibrahim, and Noha Fathallah. "Anti-*Heliobacter pylori* and Anti-Inflammatory Potential of *Salvia officinalis* Metabolites: *In Vitro* and *In Silico* Studies." *Metabolites* (2023),13, no. 1: 136.
10. Ayoub, Iriny M., Marwa M. Abdel-Aziz, Sameh S. Elhady, Alaa A. Bagalagel, Rania T. Malatani, and **Wafaa M. Elkady**. "Valorization of *Pimenta racemosa* Essential Oils and Extracts: GC-MS and LC-MS Phytochemical Profiling and Evaluation of *Helicobacter pylori* Inhibitory Activity." *Molecules* (2022), 27, no. 22: 7965.
11. Alomar, Hatun A., Noha Fathallah, Marwa M. Abdel-Aziz, Taghreed A. Ibrahim, and **Wafaa M. Elkady**. "GC-MS Profiling, Anti-*Helicobacter pylori*, and Anti-Inflammatory Activities of Three Apiaceous Fruits' Essential Oils." *Plants* 11, no. 19 (2022): 2617.
12. Fatima, Urooj, Sonam Roy, Shahnawaz Ahmad, Sabeeha Ali, **Wafaa M. Elkady**, Ilyas Khan, Rana M. Alsaffar, Mohd Adnan, Asimul Islam, and Md Imtaiyaz Hassan. "Pharmacological attributes of *Bacopa monnieri* extract: Current updates and clinical manifestation." *Frontiers in Nutrition* 9 (2022).
13. **Wafaa M. Elkady**., Marwa M. Raafat, Marwa M. Abdel-Aziz, Arwa A. AL-Huqail, Mohamed L. Ashour, and Noha Fathallah.. "Endophytic Fungus from *Opuntia ficus-indica*: A Source of Potential Bioactive Antimicrobial Compounds against Multidrug-Resistant Bacteria." *Plants* (2022). 11(8): p.1070.
14. **Wafaa M. Elkady**, Mariam H. Gonaid, Miriam F. Yousif, Mahmoud El-Sayed, and Hind AN Omar; Impact of Altitudinal Variation on the Phytochemical Profile, Anthelmintic and Antimicrobial Activity of Two Pinus Species." *Molecules* (2021). 26, (11): p.3170.
15. **Wafaa M.Elkady**, Mokhtar Bishr, Marwa Abdel-Aziz, and Osama Salama, Identification and isolation of anti-pneumonia bioactive compounds from *Opuntia ficus-indica*, fruits waste peels. *Food & Function*, (2020).
16. **Wafaa M. Elkady**, Iriny M. Ayoub, Yousra Abdel-Mottaleb, Mohamed F. ElShafie, and Michael Wink, *Euryops pectinatus* L. Flower Extract Inhibits P-glycoprotein and Reverses Multi-Drug Resistance in Cancer Cells: A Mechanistic Study. *Molecules*, (2020). 25(3): p. 647.
17. Rasha YM. Ibrahim., Suzan M. Mansour., and **Wafaa M. Elkady**., Phytochemical profile and protective effect of *Ocimum basilicum* aqueous extract in doxorubicin/irradiation-induced testicular injury. *Journal of Pharmacy and Pharmacology*, (2020). 72(1): p. 101-110.
18. **Wafaa M Elkady** and Iriny M Ayoub., Chemical profiling and antiproliferative effect of essential oils of two *Araucaria* species cultivated in Egypt. *Industrial Crops and Products*, 2018. 118: p. 188-195.
19. Lamy FA El-Jalel, **Wafaa M. Elkady**, Mariam H.Gonaid, and Kamel A. El-Gareeb, Difference in chemical composition and antimicrobial activity of *Thymus capitatus* L. essential oil at different altitudes. *Future Journal of Pharmaceutical Sciences*, (2018). 4(2): p. 156-160.
20. **Wafaa M. Elkady**., Eman A. Ibrahim., Mariam H. Gonaid., and Farouk K. El Baz., Chemical Profile and Biological Activity of *Casimiroa edulis* Non-Edible Fruits Parts. *Advanced pharmaceutical bulletin*, (2017). 7(4): p. 655.
21. Samar Y Desoukey, **Wafaa M El Kady**, Abeer A A Salama, Eman G Hagag, Siham M El-Shenawy, M A El-Shanawany; "Hepatoprotection and Antioxidant Activity of *Gazania longiscapa* and *G. rigens* with the Isolation and Quantitative Analysis of Bioactive Metabolites" *International Journal of Pharmacognosy and Phytochemical Research*; (2016). 8(7); pp 1121-1131.
22. **Wafaa M. El Kady**, "DNA with botanical profiling and biological study of 2 *Gazania* species"; LAP LAMBERT Academic Publishing; Germany (2016).

23. **Wafaa M. El Kady**, Abeer A. A. Salama, Samar Y. Desoukey, Eman G. Hagag, Siham M. El-Shenawy , M.A. El-Shanawany; "Comparative DNA profiling, botanical identification and biological evaluation of *Gazania longiscapa* DC and *Gazania rigens* L." *Bulletin of Faculty of Pharmacy, Cairo University* 53, (2015). pp. 129–145.
24. Fatma Abd-elkader Moharrama, Mohamed Soubhi Marzouk, Siham Mustafa El-Shenawy, Ahmed Hamed Gaara and **Wafaa Mostafa El Kady**; "Polyphenolic profile and biological activity of *Salvia splendens* leaves" *Journal of Pharmacy and Pharmacology*, (2012). 64, pp. 1678–1687.

Scientific Activities

Membership of Conferences:

1. Participating as a Speaker in the 6th FUE international conference of pharmaceutical sciences (February 14-15, 2024).
"Endophytes: A Precious Store Of Biologically Active Phytochemicals With Therapeutic Value"
2. Attending and poster presenting in the 2nd international conference & exhibition on pharmaceutical & healthcare sciences PHS-2022 (November 23-24, 2022)
"Phytochemical Profile, Anthelmintic Activity, and Antimicrobial Activity of Two *Pinus* Species: Effect of Altitudinal Variation".
3. Presenting Two Posters in the 5th FUE international conference of pharmaceutical sciences (January 28-30, 2019)
 - a. Fatty acids, phenolic contents and biological activity of fruits residual parts of *Casimiora edulis* growing in Egypt.
 - b. Phytochemical profile and protective effect of *Ocimum basilicum* aqueous extract in doxorubicin/irradiation-induced testicular injury.
4. Participating as organizer in the 5th FUE international conference of pharmaceutical sciences (January 28-30, 2019).
5. Presenting three Posters in the 4th FUE international conference of pharmaceutical sciences (4th FUE-ICPS) (January 31st – February 2nd, 2017)

Abstracts are;

- a. Evaluation of phenolic content, antioxidant, anti-inflammatory and antimicrobial activities of *Euryops pectinatus* L. cultivated in Egypt.
- b. GC profile and antiproliferative effect of essential oils of two *Araucaria* species cultivated in Egypt.
- c. Difference in essential oil composition of two *Pinus* species from different localities in Al-Jabel Al-Akhdar and its antimicrobial activity.
6. Participating as organizer in the 4th FUE international conference of pharmaceutical sciences (4th FUE-ICPS) (January 31st – February 2nd, 2017).
7. Participating and attending in 3rd FUE international conference of pharmaceutical sciences (3rd FUE-ICPS) (Feb. 9-11/2015).

Abstract entitled "biological evaluation of *Gazania longiscapa* and *G. rigens* with the isolation and quantitative analysis of bioactive metabolites."

8. Participating and attending in Conference in the National Research Center under the theme "Medical research between theory & applications: challenges and innovations"(Dec. 17-19/2013).
Abstract entitled "Anti-inflammatory and antinociceptive effect of *Gazania rigens*".
9. Attending FUE International conference on pharmaceutical technologies (Feb. 6-9/2012).

Field of Research Interests:

- Phytochemical and Pharmacognostical studies of Medicinal Plants.
- Isolation of bioactive plant constituents using advanced chromatographic techniques and elucidation of their structure using different chemical and spectral methods.

Teaching experiences:

Courses for Pharmacy students (under graduates) in Future University in Egypt (FUE),

- Pharmacognosy I
- Pharmacognosy II
- Phytochemistry I
- Phytochemistry II
- Herbal Medicine & phytotherapy
- Quality control of natural products

Attended workshops:

- "AI in Higher Education". The DAAD Regional Office Cairo. (May/2024)
- "Effective Hybrid/ Hyflex Teaching Strategies & Active Learning". The DAAD Regional Office Cairo. (March/2023)
- "Handling stress effectively". Future university in Egypt. (December/2022).
- "Marine Natural Product Drug leads for development of Host directed therapies to manage 21th century pandemics" Helwan University (September/2022).
- JoVE Workshop" Accelerate Your Science Research and Education Through JoVE" EKB (July/2022).
- "Herbal Medicine" Coursera (April/2022).
- "The Science of Success: What Researchers Know that You Should Know", Coursera (May/2021).
- "Problem solving & teamwork enhancement" DAAD - Future university in Egypt. (April/2021).
- "Enhance your research with Elsevier: Discover research metrics on Scopus & updated cite score & quartiles" National research center (November/2020).
- "Insight into sustainability using web of science curated data sources" National research center (November/2020).
- "Research ethics workshop", arranged by Egyptian Network Of Research Ethics Committees (ENREC), Middle East Research Ethics Training Initiative (MERETI) & Arab Research And Ethics Capacity Development Institute (ARECDI). (March/2019).
- "2D-QSAR, 3D-QSAR pharmacophore based and its application in drug design", arranged during 5th FUE international conference of pharmaceutical sciences (January/ 2019).

- "Constructive assessment for learning" of the further domain "teaching" within the DAAD Kairo Akademie at the premises of Future University in Egypt. (March/ 2018).
- "Orientation to National Academic Reference (NARS) second edition- April 2017" arranged by the quality assurance unit in Future University in Egypt. (March/ 2018).
- "Orientation to accreditation standards of higher education faculties and institutes (third edition- July 2015), arranged by the quality assurance unit in Future University in Egypt. (March/ 2017).
- "How to present scientific papers" of the further domain "Academic skills" within the DAAD Kairo Akademie at the premises of Future University in Egypt. (September/ 2016).
- "International Publishing" of the further domain "Academic skills" within the DAAD Kairo Akademie at the premises of Future University in Egypt. (July/2016).
- "Basics of scientific research (responsible conduct of research)", arranged by Clinical trial unit, National research center. (July/ 2016).
- "Advanced medical research ethics :(RECs, Clinical trials & GCP.), arranged by Clinical trial unit, National research center. (July/ 2016).
- "Competitive research proposal writing" of the further domain "Program preparation" within the DAAD Kairo Akademie at the premises of Future University in Egypt. (May/2016).
- "Professional ethics", arranged by the quality assurance unit in Future University in Egypt. (September/2015).
- "Rights of intellectual properties", arranged by the quality assurance unit in Future University in Egypt. (September/ 2015).
- "Academic reference standards (ARS) & writing program`s specification for post graduate students", arranged by the quality assurance unit in Future University in Egypt. (June/ 2015).
- "Interactive learning: A mean of achieving quality standards", arranged by the quality assurance center in Future University in Egypt. (September/ 2014)

- "الممارسات و الوثائق الداعمة لمؤسسات التعليم العالي", نظمت من الهيئة القومية لضمان جودة التعليم و الاعتماد(سبتمبر\ 2013)
- "التخطيط الاستراتيجي لمؤسسات التعليم العالي", نظمت من الهيئة القومية لضمان جودة التعليم و الاعتماد(سبتمبر\ 2013)
- "دورة التقويم الذاتي المؤسسي لمؤسسات التعليم العالي", نظمت من الهيئة القومية لضمان جودة التعليم و الاعتماد.(سبتمبر \ 2012)

"Strategic planning in higher education", arranged by the quality management and accreditation center, Future University in Egypt. (July/2010)

Activities

- Preparing graduation plans for credit hours students.
- Participating in preparing time table and exam schedules.
- Participating in preparing files required for Accreditation.
- Participating in preparing orders for purchasing materials and instruments for students use.