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CURRICULUM VITAE

Mona S. El-Zoghbi

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Websites:
[Faculty of Pharmacy Website](#)
[Menoufia University Website](#)



1. PERSONAL DATA

Nationality: Egyptian
Place of Birth: Tanta city, Elgharbia, Egypt.
Date of Birth: December 30, 1982
Language: Arabic: Mother tongue
English.
Marital status: Married

2. RESEARCH INTEREST

The main topics of research interests are:

- Pharmaceutical and medicinal chemistry.
- Anticancer agents.
- Different synthesis of various heterocyclic compounds.
- Biological activities of different heterocyclic compounds.
- Drug Design.
- New approaches in the synthesis of medicines.

3. EDUCATION

- 2013 – 2016:** **Ph.D. in pharmaceutical Organic Chemistry**
- Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt.
 - **Thesis title:** Utility of activated nitriles in the synthesis of some new heterocyclic compounds and study their biological activity.
- 2009 – 2013:** **M.Sc. in Pharmaceutical Organic Chemistry**
- Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt.
 - **Thesis title:** Synthesis and Biological Evaluation of some novel heterocyclic compounds.

- 2008-2009:** **Premaster degree in Pharmaceutical Organic Chemistry**
- Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt.
- 2001-2006:** **B.Sc. of Pharmaceutical Sciences**
- Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt. (Excellent with honor)

4. EXPERIENCES

4.1. Academic Positions

- 2021 - Now:** **Associate professor**
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt.
- 2017 – 2021:** **Assistant professor**
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt.
- 2016 – 2017:** **Assistant professor**
Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.
- 2013-2016:** **Lecturer**
Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.
- 2013-2009:** **Instructor**
Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.

4. 2. Teaching

4.2.1. Undergraduate

- 2017 – Now:** **Pharmaceutical Organic Chemistry 1 (Organic Chemistry for pre-pharmacy students)**
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt
- Pharmaceutical Organic Chemistry 2 (Organic Chemistry for First Year pharmacy students)**
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt.
- Pharmaceutical Organic Chemistry I (Organic Chemistry for First year pharmacy students)(Pharm-D system, 1st semester)**
Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia

University, Shibin-Elkom, Menoufia, Egypt

Pharmaceutical Organic Chemistry II (Organic Chemistry for First year pharmacy students)(Pharm-D system, 2nd semester)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Pharmaceutical Organic Chemistry III (Organic Chemistry for Second year pharmacy students)(Pharm-D system, 1st semester)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Pharmaceutical Organic Chemistry VI (Organic Chemistry for Second year pharmacy students)(Pharm-D system, 2nd semester)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Pharmaceutical Chemistry I (Medicinal Chemistry for Third year pharmacy students)(Old system)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Pharmaceutical Chemistry II (Medicinal Chemistry for Third year pharmacy students)(Old system)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Forensic Chemistry (For Fourth year pharmacy students)(Old system)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

Drug Design (For Fourth year pharmacy students)(Old system)

Pharmaceutical Chemistry Department, Faculty of Pharmacy, Menoufia University, Shibin-Elkom, Menoufia, Egypt

2016 – 2017: **Organic Chemistry (POC 212) (Spectroscopy, Second year pharmacy students)**
Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.

2009 – 2016: **Organic Chemistry (Identification and purification of different classes of organic compounds) (Labs, First year pharmacy students)**
Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.

Organic Chemistry (Preparation of different classes of organic compounds) (Labs, Second year pharmacy students)

Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Al-Azhar University(girls), Cairo, Egypt.

5. TRAINING COURSES AND PROGRAMS

- Academic writing for graduate students (2010).
- Program and course specifications (2012).
- ICDL - International Computer Drivers-License (2012).
- Quality education and entrepreneurship from idea to global (2018).
- The use of EndNote® X7 program (2019).
- Principle of drug pharmacokinetics optimization (2020).
- Look beyond the journal impact factor with Journal Citation Reports (2020).
- Structuring a publishing paper (2020).
- Essential skills for distance learning (2020).
- Making decisions and solving problems (2020).
- Use of global databases (2020).
- Research team management (2020).
- Use of technology in teaching (2020).
- Academic advising and student support in educational institutions and teaching and learning strategies (2020).
- scientific publishing (2020).
- MALDI-TOF (2020)
- Methods of Measurement, Assessment and Question banks (2021).
- HPLC: LC₁₅₀ analytical liquid chromatography basic training, shooting and empower software training (injection, processing, data and reporting) (2021)
- LC Mass Spectrometry Basics and Applications (2021)

Conferences:

1. The The 4th FUE International Conference of Pharmaceutical Sciences, 31 January 2017, Faculty of Pharmacy, Future University, Cairo, Egypt [poster Presentation].
2. International Conference for basic Sciences th(9) Energy, Environment and Sustainable Development, March 27-28, 2017, Faculty of Sciences, Al-Azhar University, Cairo, Egypt, [Poster Presentation].
3. 1st International Pharmaceutical Sciences Conference "Drug development: From Benchside to Beside", 11-12 August 2018, Faculty of Pharmacy, Menoufia University, Menoufia, Egypt. [Organization and Oral Presentation].

6. List of publications

I. PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

1. Design, synthesis, docking, and anticancer evaluations of new thiazolo[3,2-a]

- pyrimidines as topoisomerase II inhibitors, Mona S. El-Zoghbi, Samiha A. El-Sebaey, Hanan A. AL-Ghulikah, Eman A. Sobh, **Journal of Enzyme Inhibition and Medicinal Chemistry, Volume 38, (2023) Issue 1 .**
<https://doi.org/10.1080/14756366.2023.2175209>
2. New Pyrimidine-5-Carbonitriles as COX-2 Inhibitors: Design, Synthesis, Anticancer Screening, Molecular Docking, and In Silico ADME Profile Studies, Al-Ghulikah, Hanan A., Samiha A. El-Sebaey, Amr KA Bass, and **Mona S. El-Zoghbi**.
Molecules **27, no. 21 (2022): 7485.**
<https://doi.org/10.3390/molecules27217485>
 3. Utilization of cyanopyridine in design and synthesis of first-in-class anticancer dual acting PIM-1 kinase/HDAC inhibitors, Amr K.A. Bass, El-Shimaa M. Nageeb, **Mona S. El-Zoghbi**, Mamdouh F.A. Mohamed, Mohamed Badr, Gamal El-Din A. Abuo-Rahma,
Bioorganic Chemistry, 119 (2022), 105564.
doi.org/10.1016/j.bioorg.2021.105564
 4. New benzothieno[2,3-c]pyridines as nonsteroidal CYP17 inhibitors: Design, synthesis, anticancer screening, apoptosis induction and in silico ADME profile studies, Nadia A. Khalil, Eman M. Ahmed, Ashraf F. Zaher, Eman A. Sobh, Samiha A. El-Sebaey, **Mona S. El-Zoghbi**,
Journal of Enzyme Inhibition and Medicinal Chemistry, (2021)
DOI:10.1080/14756366.2021.1958212.
 5. From triazolophthalazines to triazoloquinazolines: A bioisosterism-guided approach toward the identification of novel PCAF inhibitors with potential anticancer activity, Mohamed H. El-Shershaby, Adel Ghiaty, Ashraf H. Bayoumi, Ahmed A. Al-Karmalawy, Ebtehal M. Husseiny, **Mona S. El-Zoghbi**, Hamada S. Abulkhair,
Bioorganic & Medicinal Chemistry 42 (2021) 116266,
doi.org/10.1016/j.bmc.2021.116266
 6. 1,2,4-Triazolo[4,3-c]quinazolines: A bioisosterism-guided approach towards the development of novel PCAF inhibitors with potential anticancer activity, Mohamed H. El-Shershaby, Adel Ghiaty, Ashraf H. Bayoumi, Hany E. A. Ahmed, **Mona S. El-Zoghbi**, Khaled El-Adl, Hamada S. Abulkhair,
New Journal of Chemistry, (2021) DOI: 10.1039/D1NJ00710F
 7. Synthesis, molecular modeling and biological evaluation of new benzo[4,5]thieno[3,2-b]pyran derivatives as topoisomerase I-DNA binary complex poisons, Eman M. Ahmed, Nadia A. Khalil, Ashraf F. Zaher, Shimaa M. Alhamaky, **Mona S. El-Zoghbi**,
Bioorganic Chemistry 112 (2021) 104915
 8. In vivo- and in silico-driven identification of novel synthetic quinoxalines as anticonvulsants and AMPA inhibitors, Hamada S. Abulkhair, Salwa Elmeligie, Adel Ghiaty, Ahmed El-Morsy, Ashraf H. Bayoumi, Hany E. A. Ahmed, Khaled El-Adl, Mohamed F. Zayed, Memy H. Hassan, Eman N. Akl, **Mona S.**

El-Zoghbi,
Archiv der pharmazie (2021);354:e2000449.

9. Potential antiviral and anticancer effect of imidazoles and bridgehead imidazoles generated by HPV-Induced cervical carcinomas via reactivating the P53/ pRb pathway and inhibition of CA IX, Aisha Y. Hassan, Samiha A. El-Sebaey, Moshira A. El Deeb, **Mona S. Elzoghbi,**
Journal of Molecular Structure 1230 (2021) 129865.
10. Comprehensive review for anticancer hybridized multitargeting HDAC Inhibitors, Amr K.A. Bass, **Mona S. El-Zoghbi,** El-Shimaa M. Nageeb, Mamdouh F.A. Mohamed, Mohamed Badr, Gamal El-Din A. Abuo-Rahma,
Euro. J. of Med. Chem., 209 (2021) 112904.
11. 3-Cyano-2-oxa-pyridines: a promising template for diverse pharmacological Activities, Amr K.A. Bass, El-Shimaa M. Nageeb, **Mona S. El-Zoghbi,** Mamdouh F.A. Mohamed, Mohamed Badr, Gamal El-Din A. Abuo-Rahma,
J. Adv. Biomed. & Pharm. Sci. 4 (2021) 81-86
12. Utility of Activated Nitriles in the Synthesis of some New Pyridine and Fused Pyridine Derivatives with Anticancer Activity, Aisha Y. Hassan; Marwa T. Sarg; and **Mona. S. El-Zoghbi,**
Journal of advanced pharmacy research, 2021, 5 (1), 180-201 .
13. Synthesis of certain benzothieno[3,2-d]pyrimidine derivatives as a selective SIRT2 inhibitors, Nadia A. Khalil, Eman M. Ahmed, Ashraf F. Zaher, **Mona S. El-Zoghbi,** Eman A. Sobh,
European Journal of Medicinal Chemistry 187 (2020) 111926.
14. Synthesis and Anticancer Activity Study of Some Novel Substituted and Fused Pyridotriazepine Derivatives, Moshira A. El-Deeb and **Mona S. El-Zoghbi,**
Journal of Heterocyclic Chemistry, 56, 676 (2019).
15. Utility of 2-Methyl-quinazolin-4(3H)-one in the Synthesis of Heterocyclic Compounds with Anticancer Activity. Aisha Youssif Hassan Helali, Marwa Taha Mostafa Sarg, Makarem Mohamed Said Koraa, **Mona Said Fathy El-Zoghbi,**
Open Journal of Medicinal Chemistry, 2014, 4, 12-37.

II. BOOKS, REVIEWS, AND THESIS

- **M. S. El-Zoghbi,** “*SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME NOVEL HETEROCYCLIC COMPOUNDS.*”, Master thesis, Cairo, Egypt, **2013.**
- **M. S. El-Zoghbi,** “*Utility of activated nitriles in the synthesis of some new heterocyclic compounds and study their biological activity*”, Ph.D. thesis, Cairo, Egypt, **2016.**
- **Organic Chemistry 2 POC 212 (2016-2017) (book, deposit number 23785/2016)**

Authors: Ashraf Hassan bayoumi, Marwa Taha Sarg, Eman Abd-El Maabood, Shaimaa M. Abd-El Galil, Moshera Adel El Deeb, **Mona Said El-Zoghbi**.

7. SUPERVISION

- Post-Graduate PhD student, Faculty of Pharmacy, El Minia University (Ass. lecturer: **Amr Kamal Bass**), Degree awarded
- Post-Graduate PhD student, Faculty of Pharmacy, Cairo University (Ass. lecturer: **Eman A. Sobh**), Degree awarded
- Post-Graduate PhD student, Faculty of Pharmacy, Cairo University (Ass. lecturer: **Shimaa M. Alhamaky**), Degree awarded
- Post-Graduate **M.Sc** student, Faculty of Pharmacy, El Sadat University (Instructor: **Nada Gamal Aboshady**).

8. Research Profiles

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57205199553>
Google Scholar: <https://scholar.google.com/citations?user=1P1PtLMAAAAJ&hl=en>
Researchgate: <https://www.researchgate.net/profile/Mona-Elzoghbi>
ORCID ID: <https://orcid.org/0000-0003-1521-4581>

h-Index: 6 (Scopus 2023), **8** (google scholar 2023)

9. Skills

- Foreign languages: English
- Advanced computer skills [International Computer Driving License (ICDL)].
- Good command of Learning Management Systems (LMS) such as MOODLE.
- Professional skills in several scientific software such as Moe (Docking) and EndNote®

