

Curriculum vitae

Personal Information:

Name	Eman Ahmed Mahmoud Beshr
Faculty	Pharmacy
Present Position	professor of medicinal chemistry
Gender	Female
Date of Birth	14/12/1974
Place of Birth	Egypt
Nationality	Egyptian
Marital State	Married
E-mail:	eman_beshr@mu.edu.eg emanbeshr@yahoo.com

Mobile Telephone no **01094636467**

Google scholar

<https://scholar.google.com/citations?hl=ar&user=Xp6ZSRMAAAAJ>

Elsevier

<https://www.elsevier.com/en-xm>

ResearchGate

<https://www.researchgate.net/profile/Eman-Beshr-3>

Orchid

<https://orcid.org/orcid=0000-0001-6584-3859>

Computer Skills:

- ICDL
- ICTP
- Good experience in using computer facilities: Windows, Word, Excel, Power Point and Internet search for different branches of pharmaceutical sciences.

Language Proficiency: Fluent speak and written English.

Education

Ph.D. Pharmaceutical Organic Chemistry 2008, Department of Medicinal Chemistry, Faculty of pharmacy, Minia University. Thesis entitled "**Synthesis of 1,4-dihydropyridine, pyrimidine and related compounds of biological interest** "

M.Sc. Pharmaceutical Organic Chemistry 2002, Department of Medicinal Chemistry, Faculty of pharmacy, Minia University. Thesis entitled "**Synthesis of biologically active heterocycles and heteroaromatics** "

B.Sc. of Pharmaceutical Sciences, Assiut University- very good with degree of honor, May 1997.

Employment History

- Head of Medicinal Chemistry Department from 2019 till now.
- professor, Medicinal Chemistry Department, Faculty of Pharmacy, Minia University: from 2023
- Assistant professor, Medicinal Chemistry Department, Faculty of Pharmacy, Minia University: from January 2018- 2023.
- Associate professor, pharmaceutical Chemistry Department, Faculty of Pharmacy , Umm Al-Qura University, Saudia Arabia from 2013- 2018
- Lecturer, Medicinal Chemistry Department, Faculty of Pharmacy, Minia University: from December 2008 till 2013.
- Assistant Lecturer, Medicinal Chemistry Department, Faculty of Pharmacy, Minia University, 2002 -2008.
- Demonstrator, Medicinal Chemistry Department, Faculty of Pharmacy, Minia University, 2000 -2002.
- Demonstrator, Organic Chemistry Department, Faculty of Pharmacy, Assiut University, 1997-1999.

Scientific Activities:

a- Teaching Experience

1. Teaching and supervising the practical courses of Organic Chemistry for the undergraduate students (first & second year) in Faculty of Pharmacy, Assiut University- Minia University
2. Teaching the theoretical courses of Organic Chemistry for the undergraduate students (first & second year) in Faculty of Pharmacy, Minia University
3. Teaching the theoretical courses of Pharmaceutical Chemistry for the undergraduate students (third & fourth year) in Faculty of Pharmacy, Minia University
4. Teaching the theoretical courses of Organic Chemistry for clinical pharmacy students (organic I, organic II and organic III) in Faculty of Pharmacy, Minia University
5. Teaching the theoretical courses of Pharmaceutical Chemistry for clinical pharmacy students (medicinal chemistry 1 ,medicinal chemistry 2) in Faculty of Pharmacy, Minia University
6. Teaching the theoretical courses (Medicinal Chemistry -1, 2 & 3) Nahda University.
7. Participation in the practical and theoretical books for clinical pharmacy students (first and second level), Faculty of Pharmacy, Minia University
8. Participation in the practical and theoretical books for undergraduate students (first, second, third and fourth year), Faculty of Pharmacy, Minia University.
9. Oral examiner for undergraduate students in faculties of pharmacy (Beni-Suef, Nahda, Helwan, Assiut, Deraya and El-Minia Universities).

b- Supervision of Graduate Students:

- 13 Master thesis
- 4 PhD thesis

c- Sharing in Conferences:

1. Egyptian pharmaceutical Society XXXII Conference of Pharmaceutical Sciences (December, 2011, Cairo, Egypt).
2. The 4th Scientific Conference of Faculty of Pharmacy, Cairo University, April 24th-25th, 2013, Cairo, Egypt.
3. The 2nd scientific meeting of Faculty of Pharmacy Umm Al-Qura University, 3rd April 2014, Maakkah, Saudia Arabia.
4. Exploring a New Horizon in Pharmacy Practice in Saudia Arabia, 23-25 November 2014, Park Hyatt Hotel, Jeddah, Saudia Arabia.
5. UQU first pharmaceutical Science conference (from Bench to Bedside), 13-14 April, 2016, Security Forces Hospital, Makkah, Saudia Arabia.
6. The 2nd international conference on pharmaceutical biological sciences and applied chemistry, Faculty of pharmacy, Deraya University in association with International Society of Applied Chemistry and Community Development ICAC(5th)conference, Hurghada, 10 to 13 September 2022

Poster presentation

Taha Farouk, Mohamed Abdel-Aziz, [Eman A. M. Beshr](#), Gamal El-Din A. A. Abuo-Rahma. "Synthesis of novel oxime containing 1,2,4-triazole-3-thiol derivatives with potential analgesic and anti-inflammatory activities. Egyptian pharmaceutical Society XXXII Conference of Pharmaceutical Sciences (December, 2011, Cairo, Egypt).

T. F. Shehata, E. A. Beshr and M. E. Shoman; “Synthesis of 1,2,4-triazole-chalcone hybrids as potential antifungal”. 2. The 4th Scientific Conference of Faculty of Pharmacy, Cairo University, April 24th-25th, 2013, Cairo, Egypt.

Moamen A. Hassanin, Muhamad Mustafa, Mohammed A. S. Abourehab, Heba A. Hassan, Omar M. Aly and Eman A. M. Beshr “Design and synthesis of new hydantoin acetanilide derivatives as anti-cancer”. The 2nd international conference on pharmaceutical biological sciences and applied chemistry, Faculty of pharmacy, Deraya University

Publications:

1. HAA Ezelarab, TFS Ali, SH Abbas, AM Sayed, EAM Beshr, HA Hassan
New antiproliferative 3-substituted oxindoles inhibiting EGFR/VEGFR-2 and tubulin polymerization Molecular Diversity, 2024 28 (2), 563-580
2. MM Amin, MSA Shaykoon, AA Marzouk, EA Beshr, G Aburahama Recent updates on synthetic strategies of chalcone scaffold and their heterocyclic derivatives Journal of advanced Biomedical and Pharmaceutical Sciences, 2023, 6 (3), 124-132
3. Onur Bender, Ismail Celik, Rumeysa Dogan, Arzu Atalay, Mai E Shoman, Taha FS Ali, Eman AM Beshr, Mahmoud Mohamed, Eman Alaaeldin, Ahmed M Shawky, Eman M Awad, Al-Shaimaa F Ahmed, Kareem M Younes, Mukhtar Ansari, Sirajudheen Anwar Vanillin-Based Indolin-2-one Derivative Bearing a Pyridyl Moiety as a Promising Anti-Breast Cancer Agent via Anti-Estrogenic Activity, ACS Omega 2023, 8, 7, 6968–6981

4. Onur Bender, Mai E Shoman, Taha FS Ali, Rumeysa Dogan, Ismail Celik, Adriano Mollica, Mohammed IA Hamed, Omar M Aly, Abdulwahab Alamri, Jowaher Alanazi, Nafees Ahemad, Siew Hua Gan, Jonaid Ahmad Malik, Sirajudheen Anwar, Arzu Atalay, Eman AM Beshr. Discovery of oxindole-based FLT3 inhibitors as a promising therapeutic lead for acute myeloid leukemia carrying the oncogenic ITD mutation, *Archiv der Pharmazie* 2023 356 (2), <https://doi.org/10.1002/ardp.202200407>
5. Mohammed M Amin, Gamal El-Din A Abuo-Rahma, Montaser Sh A Shaykoon, Adel A Marzouk, Mohammed AS Abourehab, Roshdy E Saraya, Mohamed Badr, Ahmed M Sayed, Eman AM Beshr. Design, synthesis, cytotoxic activities, and molecular docking of chalcone hybrids bearing 8-hydroxyquinoline moiety with dual tubulin/EGFR kinase inhibition. *Bioorganic Chemistry* 134, 2023, 106444 <https://doi.org/10.1016/j.bioorg.2023.106444>
6. Asmaa H.H. Ahmed, Mamdouh F.A. Mohamed , Rasha M. Allam , Ayman Nafady , Shaaban K. Mohamed , Ahmed E. Gouda , Eman A.M. Beshr. Design, synthesis, and molecular docking of novel pyrazole-chalcone analogs of lonazolac as 5-LOX, iNOS and tubulin polymerization inhibitors with potential anticancer and anti-inflammatory activities, *Bioorganic Chemistry* 129 (2022) 106171 <https://doi.org/10.1016/j.bioorg.2022.106171>
7. Nisha Abdul Rehuman, Jong Min Oh, Mohamed A. Abdelgawad , Eman A. M. Beshr, Mohammed A. S. Abourehab , Nicola Gambacorta 6 , Orazio Nicolotti , Rakesh Kumar Jat , Hoon Kim and Bijo Mathew. Development of Halogenated-Chalcones Bearing with Dimethoxy Phenyl Head as Monoamine Oxidase-B Inhibitors. *Pharmaceuticals* **2022**, 15, 1152. <https://doi.org/10.3390/ph15091152>

8. Moamen A. Hassanin , Muhamad Mustafa , Mohammed A. S. Abourehab , Heba A. Hassan, Omar M. Aly , and Eman A. M. Beshr. Design and Synthesis of New Hydantoin Acetanilide Derivatives as Anti-NSCLC Targeting EGFR L858R/T790M Mutations. *Pharmaceuticals* 2022, 15, 857. <https://doi.org/10.3390/ph15070857>
9. Mohammed A. S. Abourehab, Alaa M. Alqahtani , Faisal A. Almalki , Dana M. Zaher , Ashraf N. Abdalla 4,5 , Ahmed M. Gouda 6,* and Eman A. M. Beshr Pyrrolizine/Indolizine-NSAID Hybrids: Design, Synthesis, Biological Evaluation, and Molecular Docking Studies. *Molecules* 2021, 26, 6582. <https://doi.org/10.3390/molecules26216582>
10. Mamdouh FA Mohamed, Fatima El-Zahraa S Elbardici and Eman AM Beshr. Recent advancements of anticancer activity and structure-activity relationship of 2,4-thiazolidinedione derivatives *International Journal of Pharmaceutical Sciences and Drug Analysis* 2021; 1(1): 26-31
11. Taha F.S. Ali, Naemi Taira, Kana Iwamaru, Ryoko Kogaa, Masahiro Kamo, Mohamed O. Radwana, Hiroshi Tateishi, Hiromasa Kurosaki, Mohamed Abdel-Aziz, Gamal El-Din A.A. Abuo-Rahma, Eman A.M. Beshr, Masami Otsuka, Mikako Fujita, HSP70 induction by bleomycin metal core analogs. *Bioorganic & Medicinal Chemistry Letters* 30 (7) 2020, 127002. <https://doi.org/10.1016/j.bmcl.2020.127002>
12. AM Gouda, EA Beshr, FA Almalki, HH Halawah, BF Taj, AF Alnafaei, Arylpropionic acid-derived NSAIDs: New insights on derivatization, anticancer activity and potential mechanism of action. *Bioorganic Chemistry* 92, 103224, 2019.

- 13.Hind A. Abd-Elhakam 1, Thoraya S. El-Deeb 2, Heba S. Abd-Ellah 3, Mai E. Shoman 3, Eman A. M. Beshr 3, Mohamed Abdel-Aziz 3, Maiiada H. Nazmy. Synthesized oxime and ketone derivatives of ibuprofen, have higher hepatic safety profile and hepatoprotective potential against acute CCl₄ - induced hepatotoxicity in rats. J. Adv. Biomed. & Pharm. Sci. 2 (2019) 185-041
- 14.AMA Aboeldahab, **EAM Beshr**, ME Shoman, SM Rabea, OM Aly. Spirohydantoins and 1, 2, 4-triazole-3-carboxamide derivatives as inhibitors of histone deacetylase: Design, synthesis, and biological evaluation. European Journal of Medicinal Chemistry 146(2018), 79-92.
- 15.Heba S. Abd-Ellah a, Mohamed Abdel-Aziz a, Mai E. Shoman , Eman A.M. Beshr, Tamer S. Kaoud, Al-Shaimaa F.F. Ahmed. New 1,3,4-oxadiazole/oxime hybrids: Design, synthesis, antiinflammatory, COX inhibitory activities and ulcerogenic liability. Bioorganic Chemistry, 74(2017), 15-29. <http://dx.doi.org/10.1016/j.bioorg.2017.06.003>
- 16.Heba S. Abd-Ellah , Mohamed Abdel-Aziz , Mai E. Shoman , **Eman A.M. Beshr**, Tamer S. Kaoud. Novel 1,3,4-oxadiazole/oxime hybrids: Synthesis, docking studies and investigation of anti-inflammatory, ulcerogenic liability and analgesic activities. Bioorganic Chemistry 69 (2016) 48–63. <http://dx.doi.org/10.1016/j.bioorg.2016.09.005>
- 17.Samar Hafez Abbas, Gamal El-Din A.A. Abuo-Rahma , Mohamed Abdel-Aziz , Omar M. Aly, **Eman A. M. Beshr**, Amira M. Gamal-Eldeen. Synthesis, cytotoxic activity, and tubulin polymerization inhibitory activity of new pyrrol-2(3H)-ones and pyridazin-3(2H)-ones. Bioorganic Chemistry 66 (2016) 46–62.
- 18.Taha F. S. Ali, Kana Iwamaru, Halil Ibrahim Ciftci , Ryoko Koga , Masahiro Matsumoto Yasunori Oba, Hiromasa Kurosaki , Mikako Fujita , Yoshinari Okamoto, Kazuo Umezawa, Mitsuyoshi Nakao, Takuichiro Hide , Keishi

- Makino, Jun-ichi Kuratsu , Mohamed Abdel-Aziz ,Gamal El-Din A. A. Abuo-Rahma , **Eman A. M. Beshr**, Masami Otsuka. Novel metal chelating molecules with anticancer activity. Striking effect of the imidazole substitution of the histidine–pyridine–histidine system. *Bioorganic & Medicinal Chemistry* 23 (2015) 5476–5482.
<http://dx.doi.org/10.1016/j.bmc.2015.07.044>
- 19.Mohamed Abdel-Aziz, **Eman A.M. Beshr**, Islam M. Abdel-Rahman ,Keriman Ozadali, Oya Unsal Tan, Omar M. Aly. 1-(4-Methoxyphenyl)-5-(3,4,5-trimethoxyphenyl)-1H-1,2,4-triazole-3-carboxamides:Synthesis, molecular modeling, evaluation of their anti-inflammatory activity and ulcerogenicity. *European Journal of Medicinal Chemistry* 77 (2014) 155e165.
- 20.Gamal El-Din A.A. Abuo-Rahma, Mohamed Abdel-Aziz, **Eman A.M. Beshr**, Taha F.S. Ali. 1,2,4-Triazole/oxime hybrids as new strategy for nitric oxide donors: Synthesis, anti-inflammatory, ulcerogenicity and antiproliferativ activities. *European Journal of Medicinal Chemistry* 71 (2014) 185-198.
- 21.Omar M. Aly, **Eman A.M. Beshr**, Raed M. Maklad, Muhamad Mustafa, and Amira M. Gamal-Eldeen. Synthesis, Cytotoxicity, Docking Study, and Tubulin Polymerization Inhibitory Activity of Novel1-(3,4-Dimethoxyphenyl)-5-(3,4,5-trimethoxyphenyl)-1H-1,2,4-triazole-3-carboxanilides. *Arch. Pharm. Chem. Life Sci.* 2014, 347, 658–667.
- 22.Mohamed Abdel-Aziz, Gamal El-Din A. A. Abuo-Rahma, **Eman A. M. Beshr**, Taha F. S. Ali. New nitric oxide donating 1,2,4-triazole/oxime hybrids: Synthesis, investigation of anti-inflammatory, ulcerogenic liability and antiproliferative activities. *Bioorganic & Medicinal Chemistry* 21 (2013) 3839–3849.
- 23.Aboul-Fetouh E Mourad, Ashraf A Aly, Hassan H Farag and **Eman A Beshr** One pot synthesis of tetrahydroquinoline-5-thiones and evaluation of their

antimicrobial activities. JOURNAL OF CHEMICAL RESEARCH 2008, 205–207.

24. Aboul-Fetouh E Mourad, Ashraf A Aly, Hassan H Farag and Eman A Beshr
Microwave assisted synthesis of triazoloquinazolinones and benzimidazoquinazolinones. Beilstein Journal of Organic Chemistry 2007, 3:11.

Training courses and workshops

- 1- Training course for university teacher preparation
- 2- Training course for Education Technology
- 3- Attending and passing the following development programs of faculty members and leaders, Minia University.
 - The time and work pressures management program
 - Make decisions and solve problems program
 - Quality assurance and accreditation program
 - Credit Hours Program
 - Effective Communication Skills Program
 - Effective Presentation Skills Program
 - The methods and skills of scientific research
- 4- Attending a training course on writing a self-study report Umm Al-Qura University, 2013.
- 5- Attending a seminar on Open Educational Resources Vision and Aspirations, Umm Al-Qura University 15 Dec. 2013
- 6- Attending a scientific seminar on "Searching the scientific databases and how to detect and avoid plagiarism", King Abdul Aziz Historical Hall, Umm Al-Qura University, 2014.
- 7- Attending a workshop on the basics of eLearning and management courses 27 Jan. 2014.

- 8- Attending a workshop on E-Learning Environment and Building content 28 Jan. 2014.
- 9- Attending a workshop on Virtual Classroom, 2014.
- 10- Attending a workshop on E-Exam and Evaluation Tools, 2014.
- 11- Attending a workshop on Critical thinking, Umm Al-Qura University, 2015
- 12- Attending a workshop on Problem based learning, Umm Al-Qura University, 2015
- 13- Attending a workshop on Skills and instructional methods, Umm Al-Qura University, 2015
- 14- Attending a workshop on Principles of assessment, Umm Al-Qura University, 2015.
- 15- Attending a workshop of Advances in Medical Education, Collage of Applied Medical Sciences, Umm Al-Qura University, 2015.
- 16- Attending a workshop on "Assessment For Learning", Umm Al-Qura University, 2016.
- 17- Training course on Basic Life support, Saudia Heart Association, Makka, Saudia Arabia, 2016.

Other Activities

- 1- Trainer in laboratory safety workshop in Minia University, Faculty of Pharmacy, 2013.
- 2- Person responsible for applying academic standard related to scientific research in Faculty of pharmacy, Minia University, 2011-2013.
- 3- Attending the international conference of the experiences of leading in the fields of charitable and humanitarian work, Umm Al-Qura University 8-9 Dec.2013.
- 4- Participation in the activities of AIDS Day with the fifth year students, faculty of pharmacy, Umm Al-Qura University, 2013.

- 5- Participation in the activities of Breast Cancer, Faculty of pharmacy, Umm Al-Qura University, 2014.
- 6- Participation in the activities of Diabetes Day, faculty of pharmacy, Umm Al-Qura University, 2015
- 7- Participation in the activities of Addiction Risk, Faculty of pharmacy, Umm Al-Qura University, 2015.