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Personal Information

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| ● Name: Azza Rashad Rizk Maarouf |
| ● Academic Position: Professor of Medicinal Chemistry |
| ● Faculty: Pharmacy |
| ● Department: Medicinal Chemistry Department |
| ● Major Specialty: Medicinal Chemistry |
| ● Minor Specialty: Medicinal Chemistry (Synthesis) |
| ● Current position: Chairman of Medicinal Chemistry Department, Mansoura University, Mansoura 35516, Egypt. |
| ● Office address: Faculty of pharmacy , Building C, Room 305 |
| ● Work phone: 0502200242 ext. 25059 |
| ● Edu-Mail: azzarashad@mans.edu.eg |
| ● E-mail: azza_rashad@hotmail.com |

Education

- **Bachelor of Pharmaceutical Sciences in May 1982. (Very good grade with honor). Faculty of Pharmacy, Mansoura University, El-Mansoura, Egypt.**
- **Master of Pharmaceutical Sciences in Aug., 1988, entitled "Synthesis and elucidation of structure of some triazoles of expected pharmacological activity." Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University, El-Mansoura, Egypt.**
- **Ph.D. in Pharmaceutical Sciences (Medicinal Chemistry), in Dec. 1992, entitled "Design, Synthesis and elucidation of structure of certain heterocyclic azines as nicotinic ligands." A channel program between Egypt and United States of America in Medicinal Chemistry Dept., Faculty of Pharmacy, Medical College of Virginia, Virginia Commonwealth University, U.S.A.**

Academic Positions

| Demonstrator | | | |
|--|---------------------|-------------------|---------------------|
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Pharmaceutical Chemistry Dept., Faculty of Pharmacy, Mansoura University | Egypt | 20-10-1982 | 26-9-1988. |
| Assistant Lecturer | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University. | Egypt | 27-9-1988 | 27-12-1992. |
| Assistant Professor | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University. | Egypt | 28-12-1992 | 23-8-1994 |
| Pharmaceutical Chemistry Dept., Faculty of Pharmacy, Al-Isra University. | Jordan | 24-8-1994 | 30-6-2000 |
| Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University. | Egypt | 1-7-2000 | 14-9-2003 |
| Medicinal Chemistry Dept. Faculty of Pharmacy, King Abdulaziz University, Jeddah. | Saudi Arabia | 28-8-2004 | 25-9-2005 |
| Associate Professor | | | |
| <i>Organization</i> | <i>Country</i> | <i>From</i> | <i>To</i> |
| Medicinal Chemistry Dept. Faculty of Pharmacy, King Abdulaziz University, Jeddah. | Saudi Arabia | 26-9-2005 | 21-7-2008 |
| Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University. | Egypt | 22-7-2008 | 26-9-2012 |
| Pharmaceutical Chemistry Department, Faculty of Pharmacy, Benghazi University, Benghazi. | Lybia | 27-9-2012 | 31-8-2014 |
| Pharmaceutical Chemistry Department, Faculty of Pharmacy, Delta University for Science and technology, Gamasah, Dakahleyah. | Egypt | 1-9-2014 | 23-7-2015 |
| Pharmaceutical Chemistry Dept. Faculty of Pharmacy, Mansoura University. | Egypt | 24-7-2015 | Till present |

Publications

- 1. Synthesis of derivatives of 4-phenyl-3-(2-thienyl)-5-mercapto-1,2,4-triazoles as potential antimicrobial agents.**
M. EI-Kerdawy, H. Eisa, A. Barghash and A. Maarouf.
Sulfur Letters, vol. 9(5), 209-218 (1989).
- 2. Synthesis and some chemical behavior of certain substituted thiosemicarbazides.**
M. EI-Kerdawy, H. Eisa, A. Barghash and A. Maarouf.
Journal of Chinese Chemical Society, vol. 36, 347-351 (1989).
- 3. Development of some 1,3,4-oxadiazoles, a 1,3,4-thiadiazole and some 1,2,4-triazoles as potential antimicrobial agents.**
M. EI-Kerdawy, H. Eisa, A. Barghash and A. Maarouf.
Sulfur Letters, vol. 10(1+2), 57-70 (1989).
- 4. Structure-affinity, relationships of simple nicotine analogs.**
Richard A. Glennon, Azza Maarouf, Salwa Fahmy, Billy Martin, Fang Fan, Mamoun Yousif, Ragab M. Shafik and Malgorzata Dukat.
Med. Chem. Res. Vol. 2, 546-551 (1993).
- 5. Synthesis and biological evaluation of some novel triazolopyrimidines as antimicrobial, antiviral and cytotoxic agents.**
Azza R. Maarouf and Farid A. Badria.
MJPS. 2005, 21(1), 42-58.
- 6. Synthesis and anti-inflammatory screening of some quinazoline and quinazolyl-4-oxoquinazoline derivatives.**
Magdy M. Gineinah, Magda A. EI-Sherbeny, Magda N. Nasr and Azza R. Maarouf.
Arch. Pharm. Pharm. Med. Chem. 2002, 335(11), 556-562.
- 7. Synthesis and antimicrobial evaluation of 3-hydrazinoquinoxaline derivatives and their cyclic analogues.**
E. R. EI-Bendary, F. E. Goda, A. R. Maarouf and F. A. Badria.
Sci. Pharm. 2004, 72, 175-185.
- 8. Synthesis and anticonvulsant activity of novel 2 and 3-[4-(trisubstitutedpyridyl)-phenylamino] and 2-[3- and 4-(trisubstitutedpyridyl)phenoxy]quinoxaline derivatives.**
Magda N. Nasr, Magdy M. Gineinah and Azza R. Maarouf.
Sci. Pharm. 2003, 71, 9-17.
- 9. Synthesis and evaluation of some novel quinazoline derivatives as diuretic agents.**
Azza R. Maarouf, Eman R. EI-Bendary and Fatma E. Goda
Arch. Pharm. Pharm. Med. Chem. 2004, 337(10), 527 – 532.
- 10. Synthesis, Analgesic and anti-inflammatory activities of certain thiazole, thiadiazole and triazole derivatives of Ibuprofen.**
Azza R. Maarouf, Mazen Qato, Nailia Boulatova and Ahmed R. EI-Naddaf.
Alex. J. Pharm. Sci. 2001, 15(1), 77-81.

- 11. Synthesis and antimicrobial evaluation of certain new pyrazole and isoxazole derivatives.**
F. E. Goda, A. R. Maarouf and E. R. El-Bendary.
Saudi Pharm. J. 2003, 11(3), 111-117.
- 12. Synthesis and antiviral activity of benzimidazolyl- and triazolyl-1,3,5-triazines.**
Azza R. Maarouf, Abdelbasset A. Farahat, Khalid B. Selim & Hassan M. Eisa.
Med Chem Res, 2012, 21(6) 703-710.
- 13. Design and Synthesis of New Benzimidazole Derivatives as Potential Antimicrobial Agents.**
Magda A. El-Sherbeny, Azza R. Maarouf, Ahmed H. E. Hassan, Naglaa I. Abdel-Aziz.
The Journal of American Science, 2012, 8(12), 785-798.
<http://www.jofamericanscience.org.110>. First on line 16/11/2012.
- 14. Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors. Part 2.**
Ibrahim A. Al-Suwaidan, Amer M. Alanazi, Adel S. El-Azab, Abdulrahman M. Al-Obaid, Kamal E. H. ElTahir, Azza R. Maarouf, Mohamed A. Abu El Enin, Alaa A.-M. Abdel-Aziz.
Bioorg. Med. Chem. Lett. 2013, 23(9), 2601-5.
<http://dx.doi.org/10.1016/j.bmcl.2013.02.107>. Acceptance Date: 25 February 2013.
- 15. Synthesis and antitumor testing of certain new fused triazolopyrimidine and triazoloquinazoline derivatives.**
Ghada S. Hassan, Magda A. El-Sherbeny, Mahmoud B. El-Ashmawy, Said M. Bayomi, Azza R. Maarouf, Farid A. Badria.
Arabian Journal of Chemistry, 2013,
<http://dx.doi.org/10.1016/j.arabjc.2013.04.002>. Acceptance Date: 5 April 2013.
- 16. Synthesis, single-crystal, *in vitro* antitumor evaluation and molecular docking of 3-substitued 5,5-diphenylimidazolidine-2,4-dione derivatives.**
Amer M. Alanazi, Adel S. El-Azab, Ibrahim A. Al-Swaidan, Azza R. Maarouf, Eman R. El-Bendary, Mohamed A. Abu El-Enin, Alaa A.-M. Abdel-Aziz.
Medicinal Chemistry Research, 2013, 22, 6129–6142.
[DOI: 10.1007/s00044-013-0579-1](https://doi.org/10.1007/s00044-013-0579-1). Acceptance Date: 24 April 2013.
- 17. Synthesis, molecular modeling study, preliminary antitumor and antimicrobial evaluation of new benzimidazole derivatives.**
Ahmed A. B. Mohamed, Said M. Bayomi, Azza R. Maarouf, Naglaa I. Abdel-Aziz.
Journal of American Science, 2013, 9(10), 42-48. <http://www.jofamericanscience.org>.
- 18. Synthesis, antitumor and antimicrobial activity of some new 6-methyl-3-phenyl-4(3H)-quinazolinone analogues: *in silico* studies.**
Amer M. Alanazi, Alaa A.-M. Abdel-Aziz, Taghreed Z. Shower, Rizk R. Ayyad, Abdulrahman M. Al-Obaid, Mohamed H. M. Alagamy, Azza R. Maarouf and Adel S. El-Azab.
Journal of Enzyme Inhibition and Medicinal Chemistry,
<http://informahealthcare.com/enz> ISSN: 1475-6366 (print), 1475-6374 (electronic)
Acceptance Date: 26 May 2015, Published on line 10/07/2015.

19. Synthesis and potential antitumor activity of 7-(4-substituted piperazin-1-yl)-4-oxoquinolines based on ciprofloxacin and norfloxacin scaffolds: *in silico* studies.
Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Amer M. Alanazi, Yousif A. Asiri, Ibrahim A. Al-Suwaidan, Azza R. Maarouf, Rezk R. Ayyad, and Taghreed Z. Shawer.

Journal of Enzyme Inhibition and Medicinal Chemistry

<http://informahealthcare.com/enz> ISSN: 1475-6366 (print), 1475-6374 (electronic)

Accepted 30 May 2015, Published online 30 July 2015.

20. Synthesis, antitumor evaluation and molecular docking of new benzimidazole derivatives.

Said M. Bayomi, Farid A. Badria, Azza R. Maarouf, Naglaa I. Abdel-Aziz, Alaa A.-M. Abdel-Aziz, Fardous ElSenduny and Ahmed A. B. Mohamed.

The 12th International conference on chemistry and its role in development. Faculty of Science, University of Mansoura, March 16-20 (2015).

21. Design, Synthesis, Biological Activity and Molecular modeling of New Heterocyclic Tetrazole Derivatives.

Said M. Bayomi, Mohamed A. Moustafa, Azza R. Maarouf and Mohamed H. Abutaleb.

Journal of American Science, 2016, 12(1), 40-56. <http://www.jofamericanscience.org>.

Conferences:

1. Egyptian Pharmaceutical Sciences conferences, Cairo, Egypt in 1987 and 1992.

2. First Anglo-Egyptian conference, Alexandria, 1988.

3. American Chemical Society 43rd Southeast Regional meeting, 1991.

4. The 1st Scientific Congress of the association of the Pharmacy colleges in the Arab World. Jordan University of Science and Technology, Irbid, Jordan, 13-15 October 1997.

5. The 2nd International Clinical Pharmacy Conference. Faculty of Pharmacy, University of Jordan, Amman, Jordan, 21-22 April 1999.

6. Jordanian Pharmacy Conference, Jordanian University, Amman, Jordan, March 2000.

7. Alexandria 2nd International Conference of Pharmaceutical Sciences and Technology. Faculty of Pharmacy, Alexandria University, Alexandria, Egypt 25-27 October 2000.

8. The 6th International conference on chemistry and its role in development. Faculty of Science, University of Mansoura, April 17-20 (2001).

9. 8th IbnSina International Conference on Pure and Applied Heterocyclic Chemistry, Luxor, Egypt, February 2002.

10. Assiut University 3rd Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut University, Assiut, Egypt. March 5-6, 2002.






11. The 9th International Pharmaceutical Sciences Conference & Exhibition, Future of Medications In The 21st Century, College of Pharmacy, King Saud University, Riyadh, KSA. December 17-21, 2005.

12. National Conference in Chemistry that was held in Makkah, Saudi Arabia, 15-16 April, 2007.

13. 10th International Conference on Chemistry and Its Role in Development, Mansoura - Sharm El Sheikh, Egypt, March 16-21, 2009.

14. First scientific conference for Pharmacy students, faculty of pharmacy, Mansoura University March 29, 2012.
15. 16th Conference of the association of the colleges of pharmacy in Arab world and First International conference of faculty of Pharmacy, Benghazi university, Benghazi Lybia, November 4-7, 2013.
16. The 12th International conference on chemistry and its role in development. Faculty of Science, University of Mansoura, March 16-20 (2015).
17. 1st Pharmacy students' scientific conference, Faculty of pharmacy, Delta University for Science and technology, Gamasah, Dakahleyah, Egypt. April 5 (2015).

Workshops:

-  The training course for the preparation of University Lecturer Program, Faculty of Education, Mansoura University (1990).
-  Faculty and Leadership Development Project (FLDP), Mansoura University:
 - "Administrative skills" Mansoura University, 15th to 17th January 2005.
 - "Recent directions in teaching" Mansoura University, 10th to 13th July 2005.
 - "Effective presentation skills" Mansoura University, 17th to 20th July 2005.
 - "Financial and legal aspects in university works " Mansoura University, 16th to 18th November 2008.
 - "Competitive research projects" Mansoura University, 21st to 23rd December 2008.
 - "University administration" Mansoura University, 26th to 28th July 2009.
 - "Time management, meetings" Mansoura University, 16th to 18th August 2009.
 - "Organization of scientific conferences" Mansoura University, 20th to 22nd June 2010.
 - "Systems of examinations and student assessment" Mansoura University, 7th to 9th November 2010.
-  Workshop: "NMR for Non-Spectroscopists", Faculty of Pharmacy, Mansoura University (27th to 28th August 2008).
-  Workshop: "The use of computer in drug design" medicinal chem. dept. faculty of pharmacy, Mansoura University, 8th to 9th February, 2010.
-  Workshop: "Nuclear Magnetic Resonance, Application in Structure Elucidation of Organic Compounds", Faculty of Pharmacy, Benghazi University, Benghazi Lybia (18th to 20th November 2012).

Thesis Supervision

Supervised PhD

1. Chemical synthesis of some new aryl derivatives of fused triazolopyrimidine of expected medicinal effect (G. S. Hafez, Mansoura University, complete, 2002-2007).
2. Synthesis and structure elucidation of certain benzofuran and/or benzothiophene derivatives of expected antineoplastic activity. (A.H. Ibrahim, Mansoura University, incomplete, 2009).

Supervised MSc

- 1. Design and synthesis of some fused heterocyclic rings as Nalidixic acid analogues. (A.H. Ibrahim, Mansoura University, complete, 2008).**
- 2. Design and Synthesis of certain benzimidazole derivatives as potential antineoplastic agents. (Ahmed Abo Bakr Salem, Mansoura University, complete, 2013).**
- 3. Molecular modeling, synthesis and biological testing of novel heterocyclic compounds. (M. Hamdan, Mansoura University, incomplete, 2010).**

Teaching Courses

- 1. Teaching the undergraduate pharmacy students the courses of Pharmaceutical Medicinal Chemistry and some courses of Pharmaceutical Organic Chemistry in Egypt, Jordan, Saudi Arabia and Lybia.**
- 2. Teaching the pharmacy graduate students (premaster and diploma) the courses of Advanced Medicinal Chemistry, drug design and drug metabolism.**
- 3. Teaching Drug design course (PC E11) for level IV in Clinical Pharmacy Programme in Faculty of Pharmacy, University of Mansoura.**
- 4. Participation in the preparation of the different medicinal chemistry books for third and fourth year's pharmacy undergraduate students.**
- 5. Supervision of the medicinal chemistry practical course for undergraduate and graduate students.**
- 6. Supervision and participation in the control for undergraduate and Clinical pharmacy students.**

Committees

- 1. Membership of the Egyptian Pharmaceutical Society.**
- 2. Membership of the American Chemical Society.**
- 3. Membership of the Egyptian Pharmacists syndicate.**
- 4. Membership of Environment Affairs and Community Service Committee, Faculty of Pharmacy, Mansoura University 2008-2010.**
- 5. Membership of libraries Committee, Faculty of Pharmacy, Mansoura University 2011-2012.**
- 6. Membership of quality assurance and academic accreditation Committee, Faculty of Pharmacy, Mansoura University 2008-2011.**
- 7. Member of quality assurance Committee, Faculty of Pharmacy, Benghazi University (2012-2014).**

Prizes and Awards

- 1. Access to scientific publishing incentive awards from Mansoura University 2010/2011 and 2011/2012, 2014/2015.**