



CURRICULUM VITAE

PERSONAL:

Name: Naglaa Ibrahim Abdel-Aziz

Position: Assistant Professor of medicinal chemistry.

Address:

Department of Medicinal Chemistry, Faculty of Pharmacy, University of Mansoura, Mansoura, 35516, Egypt.

E-Mail: naglaabdalaziz2005@yahoo.com.

Date of Birth: February, 23, 1972.

Place of Birth: Mansoura, Egypt.

Marital Status: Married, 3 children.

EDUCATION:

Ph.D (Medicinal Chemistry), 2005:

University of Mansoura, Mansoura, Egypt.

Dissertation: "Synthesis and pharmacological evaluation of novel fused thiophene derivatives as 5-HT_{2A} receptor antagonists: Molecular modeling study"

M.Sc. (Medicinal Chemistry), 2001:

University of Mansoura, Mansoura, Egypt.

Dissertation: "Synthesis and antiviral testing of certain derivatives of thiazolo[4,3-b]benzothiazoles, thiazolo[3',4':2,3][1,2,4]-triazolo[5,1-b]-, {triazino[3,2-b]-and triazepino[3,2-b]}quinazolines"

B.Sc. (Pharmaceutical Sciences), 1995:

Faculty of Pharmacy, University of Mansoura, Mansoura, Egypt. Excellent, High Honor.

EMPLOYMENT AND RESPONSIBILITIES:

2012- todate: Assistant professor, Faculty of Pharmacy, University of Mansoura, Mansoura, Egypt.

2005- 2012: Lecturer of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

2001-2005: Assistant Lecturer, Dept. of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

1995-2001: Demonstrator, Dept. of Medicinal Chemistry, Faculty of Pharmacy, University of Mansoura, Egypt.

I completed the following courses in the partial fulfillment of the MSc. degree during the academic year 1996/1997 at Mansoura University

	Course Title	Total hours
1	Physical Chemistry	30
2	Statistics	30
3	Computer Sciences	30
4	Mathematics	30
5	Special Courses (Medicinal Chemistry)	100
6	Instrumental Analysis	50
7	English Language	50

TEACHING EXPERIENCE:

a- Medicinal and Organic Chemistry courses for undergraduate Students.

✚ I assisted in teaching the following undergraduate practical courses:

- Qualitative Identification of Organic Compounds
- Synthesis of Organic Compounds
- Spectrometric Identification of Organic Compounds
- Limit Tests and Pharmacopeial Monographs
- Identification of Pharmaceutical Organic and Inorganic Powders
- Analysis of Pharmaceutical Preparations
- ChembioOffice program

✚ I assisted in teaching the standard course offered to the third and fourth year students. Emphasis is on uses, synthesis, chemical structure and biological activity for compounds of medicinal and pharmaceutical importance.

b- Medicinal Chemistry courses for postgraduate Students.

✦ **I assisted in teaching Medicinal Chemistry topics to drug design diploma students** emphasizing the following topics:

- Drugs and drug targets.
- Proteins: structure and function
- Enzymes: structure and function
- Receptors: structure and function
- Nucleic acids: structure and function
- Enzymes as drug targets

- Pharmacokinetics and related topics
- Different classes of drugs

RESEARCH EXPERIENCE:

Synthetic and medicinal organic chemistry in the areas of heterocyclic compounds. Familiarity with modern techniques including various chromatographic separation methods. Extensive use and interpretation of instrumental data, including mass spectrometry, IR, UV, ¹HNMR spectroscopy.

RESEARCH INTERESTS:

1. The application of modern methods and techniques for the development of drugs. Computer assisted molecular design in combination with synthetic expertise in heterocyclic chemistry would be used to develop chemotherapeutic drugs to combat cancer and viral diseases.

2. The development of some of the biologically active COX-inhibitors, antiviral, anticancer and antioxidant agents.

Publications:

- 1- Alaa-Eldin M. Barghash, Mohamed M. El-Kerdawy, Ihsan Ahmad Shehata Abou EL Dahab, **Naglaa I. Abdel-Aziz**, "Synthesis and antiviral testing of certain derivatives of thiazolo[4,3-b]benzothiazoles (thiazolo[3',4':2,3][1,2,4]-triazolo[5,1-b]-, {triazino[3,2-b]-and triazepino[3,2-b]}quinazolines". *Alexandria journal of pharmaceutical science*, Volume 18(2), **2004**, PP109-114

- 2- Mohammed I. El-Gamal, Said M. Bayomi, Saadia M. El-Ashry, Shehta A. Said, Alaa A.-M. Abdel-Aziz, **Naglaa I. Abdel-Aziz**. " Synthesis and anti-inflammatory activity of novel (substituted)benzylidene acetone oxime ether derivatives: Molecular modeling study" *European Journal of Medicinal Chemistry*, Volume 45, **2010**, PP 1403–1414.

- 3- Mohamed M. El-Kerdawy, Eman R. El-Bendary, , Alaa A.-M. Abdel-Aziz, Dalia R. El-wasseef, **Naglaa I. Abdel-Aziz**. "Synthesis and pharmacological evaluation of novel fused thiophene derivatives as 5-HT_{2A} receptor antagonists: Molecular modeling study" *European Journal of Medicinal Chemistry*, Volume 45, **2010** , PP 1805–1820.
- 4- Adel S. El-Azab, Mohamed A. Al-Omar, Alaa A.-M. Abdel-Aziz, **Naglaa I. Abdel-Aziz**, Magda A. A. El-Sayed, Abdulaziz M. Aleisa, Mohamed M. Sayed-Ahmed and Sami G. Abdel-Hamide. "Design, synthesis and biological evaluation of novel quinazoline derivatives as potential antitumor agents: Molecular docking study" *European Journal of Medicinal Chemistry*, Volume 45, **2010** , PP 4188-4198.
- 5- Magda A.-A. El-Sayed, **Naglaa I. Abdel-Aziz**, Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Kamal E.H. ElTahir. " Design, synthesis, and biological evaluation of substituted hydrazone and pyrazole derivatives as selective COX-2 inhibitors: Molecular docking study. *Bioorg. Med. Chem.* **2011**, 19, 416-3424
- 6- Magda A.-A. El-Sayed, **Naglaa I. Abdel-Aziz**, Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Kamal E.H. ElTahir Synthesis, biological evaluation and molecular modeling study of pyrazole and pyrazoline derivatives as selective COX-2 inhibitors and anti-inflammatory agents. Part 2 *Bioorg. Med. Chem.* **2012**, 20, 3306-3316
- 7- Magda A. El-Sherbeny, Azza R. Maarouf, Ahmed H. E. Hassan, **Naglaa I. Abdel-Aziz**. Design and Synthesis of New Benzimidazole Derivatives as Potential Antimicrobial Agents. *Journal of American Science* **2012**; 8 (12) 785-798.
- 8- Magda A.-A. El-Sayed, Sahar R. Gedara, **Naglaa I. Abdel-Aziz**, Synthesis and cytotoxic activity of new furanochromone derivatives *Journal of American Science* **2012**; 8 (12) 851-857.
- 9- Said M. Bayomi, Hassan A. El-Kashef, Mahmoud B. El-Ashmawy, Magda N. A. Nasr, Magda A. El-Sherbeny, Farid A. Badria, Laila A. Abou-zeid, Mariam A. Ghaly, **Naglaa I. Abdel-Aziz**. Synthesis and biological evaluation of new curcumin derivatives as antioxidant and antitumor agents. *Med Chem Res* **2013**, 22:1147–1162
- 10- Adel S. El-Azab, Amer M. Alanazi ,**Naglaa I. Abdel-Aziz**, Ibrahim A. Al-Suwaidan, Magda A. A. El-Sayed , Magda A. El-Sherbeny, Alaa A.-M. Abdel-Aziz. Synthesis, molecular modeling study, preliminary antibacterial, and antitumor evaluation of N-substituted naphthalimides and their structural analogues. *Med. Chem. Res.* **2013**, 22, 2360-2375
- 11- Ahmed A. B. Mohamed, Said M. Bayomi, Azza R. Marouf, **Naglaa I. Abdel-Aziz** Synthesis, molecular modeling study, preliminary antitumor and antimicrobial evaluation of new benzimidazole derivatives *Journal of American Science* **2013**;9(10)

12- Antitumor evaluation and molecular docking study of substituted 2-benzylidenebutane-1, 3-dione, 2-hydrazonebutane-1, 3-dione and trifluoromethyl-1H-pyrazole analogues IA Al-Suwaidan, **NI Abdel-Aziz**, AS El-Azab, MAA El-Sayed, AM Alanazi, ...Journal of enzyme inhibition and medicinal chemistry, 1-9, **2014**

13-Structure-based design of phthalimide derivatives as potential cyclooxygenase-2 (COX-2) inhibitors: Anti-inflammatory and analgesic activities AM Alanazi, AS El-Azab, IA Al-Suwaidan, KEH ElTahir, YA Asiri, **Naglaa I. Abdel-Aziz**, European journal of medicinal chemistry, **2015**, 92, 115-123

14- Synthesis and biological evaluation of new curcumin analogues as antioxidant and antitumor agents: Molecular modeling study SM Bayomi, HA El-Kashef, MB El-Ashmawy, MNA Nasr, MA El-Sherbeny, **Naglaa I. Abdel-Aziz**,...European journal of medicinal chemistry, **2015**, 101, 584-594

CONFERENCES AND WORKSHOP ATTENDANCE:

1- the 3rd FUE International Conference on Pharmaceutical Sciences, Intercontinental City Stars Hotel, Nasr City, Cairo, Egypt. February 9-11, 2015. Design and synthesis of certain pyrazole derivatives as potential anti-inflammatory agents: Molecular modeling study, Said M. Bayomi, Magda A. El-Sherbeny, Naglaa I. Abdelaziz, Maged A. Elsayy

2- XXXII conference of pharmaceutical sciences. Held on December, **2011**. Cairo university. Synthesis, biological evaluation and molecular modeling study of pyrazole and pyrazoline derivatives as selective COX-2 inhibitors and anti-inflammatory agents. Part 2. Magda A.-A. El-Sayed, **Naglaa I. Abdel-Aziz**, Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Kamal E.H. ElTahir.

3- Computer –based drug design workshop. Held on 7-8 February, **2010**. Faculty of pharmacy, Mansoura university.

4- 1st international pharmaceutical sciences conference. Held on 18-19 November, **2009**. Faculty of pharmacy, Tanta university, Tanta, Egypt. Mohammed I. El-Gamal, Said M. Bayomi, Saadia M. El-Ashry, Shehta A. Said ,Alaa A.-M. Abdel-Aziz, **Naglaa I. Abdel-Aziz** . " Synthesis and anti-inflammatory activity of novel (substituted)benzylidene acetone oxime ether derivatives: Molecular modeling

Project Co-Supervision:

1. Design and synthesis of certain curcumin derivatives as potential antioxidant drug: The aim of the project is to design and synthesis new class of the antioxidant and biologically evaluates their anti-inflammatory activity.

