



Curriculum Vitae



I- Personal information:

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|-----------------------------------|---|
| 1) Full Name: | ▪ Nadia Mohamed Ahmed Mahfouz |
| 2) Title: | ▪ Professor |
| 3) Nationality: | ▪ Egyptian |
| 4) Date of birth: | ▪ 18/4/1951 |
| 5) Place of birth: | ▪ Qus-Qena |
| 6) Marital status: | ▪ Married |
| 7) Address: | ▪ Faculty of Pharmacy, October 6 University |
| 8) E-Mail: | ▪ Nadia_mahfouz.ph@o6u.edu.eg , nadia_mahfouz@yahoo.com |
| 9) H-Index (according to Scopus): | ▪ 14 |
| 10) Website: | ▪ --- |
| 11) ORCID: | ▪ 0000-0002-2805-3740 |
| 12) Scopus author ID: | ▪ ----- |

II- Education:

- 1) B.Sc in Pharmaceutical Sciences with grade Excellent and degree of Honor, July 1974, Assiut University.
- 2) M.Sc. in Pharmaceutical Sciences (Pharm. Chem.) in “Design and Synthesis of Potential Anti-infective Benzimidazole Derivatives”, Assiut 1979.
- 3) Research Fellow, Institute of Pharmaceutical Chemistry, Bonn University, Bonn, Germany
- 4) Ph.D in Pharmaceutical Sciences (Pharmaceutical Medicinal Chemistry) in “Synthesis and Screening of Certain Xanthone Derivatives as potential Anti-tubercular Agents” , Assiut, 1988.

5) Professional occupations:

Demonstrator: 1974-1979
Associate lecturer: 1979-1988
Lecturer: 1988-1995
Associate Professor: 1995-2001
Professor: 2001- till now



6) Experience:

a) Teaching experience:

- Undergraduate:

Pharmaceutical Chemistry 1&2, Medicinal chemistry 1-4, Drug Design, Computer Aided Drug Design in Assiut University, ElAzhar University in Assiut and October 6 University (From 1974 till now)

Member of oral committee examination for 3rd and 4th year Pharmacy students, Faculty of Pharmacy of Assiut, Cairo, Elmansora, Alexandria, Hellwan, El-Azhar Cairo, El-Azhar Assiut, El-Zaggazig, El-Minia, Ain-Shamsh, Tanta, 6-October, Miser International Future, MUST, MSA, El-Ahram Canada international, MTI, Bader, Russian, Deraia and Future Universities.

(From 1990 till now)

- Postgraduate: (subject, year)

General courses: Instrumental analysis (¹H-NMR)

Special courses: (stereochemistry, mathematical approaches (2D & 3D QSARs, PLS, PCA, Cluster and Discriminate analyses), physicochemical properties and molecular descriptors, basis of ¹³C-NMR and 2DNMR (COSY, Hetcor) DEPT, strategies and obstacles for synthesis of polypeptides, peptidomimetic inhibitors, biotechnology products, computer aided drug design and special topics related to thesis) **(from 1988 till now)**

Member of committee examination (assessment and defense) of master and Ph.D thesis of Faculty of Pharmacy of Assiut(Medicinal and Organic Chemistry Departments), Cairo, Hellwan, El-Azhar, El-Minia, Ain-Shamsh, Alexandria and Tanta Universities **(From 1995-till now)**

b) (Research experience and list of publications:

Desertations Supervision

- Eleven Master thesis, Ten approved
- Two PhD.thesis approved.
- 30 publications

List of publications

- Potential antibacterial agents: 1-Methyl-5-nitro benzimidazole-2-carboxaldehyde azomethines and hydrazones, Nabil M. Omar, Hassan H. Farag and Nadia Mahfouz, *Arch. Pharm. Chem. Sci. Ed.*, **7**, 163-168 (1979)
- Quantitative Struktur-Wirkungs-Beziehung bei Poly hydroxyl xanthonen, 2, Mitt., Synthese mehrfach oxigenierter-2-Hydroxyxanthone. **Nadia M. A. Mahfouz**, H. Hambloch, Nabil M. Omar und August W. Frahm , *Arch. Pharm. (Weinheim)* **323**, 163-169 (1990).
- Colourimetric Determination of Certain Benzodiazepine Drugs
Kamla M Emara and **Nadia M. Mahfouz**
Egypt J. Pharm. Sci., **34**, 267-278 (1993).
- Colourimetric Determination of Isoniazid and its Pharmaceutical Formulations . **Nadia M. Mahfouz** and Kamla M Emara ,
Talanta, **40**, 1023-1029 (1993).
- Niridazole Prodrugs: Synthesis, Characterization and Hydrolysis Kinetics of some N-AcyloxymethylNiridazoles. Farghaly A. Omar, **Nadia M. Mahfouz** , Hassan H. Farag and Saleh I. Saleh
Saudi Pharmaceutical Journal, **1**, 62-69 (1993).
- Synthesis, Hydrolysis Kinetics and Physicochemical properties of Ester Prodrugs of Bucetin. Tahani H. El-Faham and **Nadia M. Mahfouz**
Alex. J. Pharm. Sci., **8**, 33-37 (1994).
- Synthesis and Evaluation of the Cytotoxic and Antiviral Activity of 5,6-Disubstituted IsoCytosine Derivatives. Awwad R. Radwan,



- Abdel-Naser ElShorbagy, Abdel- Alim M. Abdel-Alim, **Nadia M. Mahfouz** and Emad K. Nafei
Alex. J. Pharm. Sci., **8**, 155-160 (1994).
- 8) SAR of HIV Protease Inhibitors: P2 and P3 Structural Requirments
Mahmoud M. Sheha, Shingo Nakata, Hiroshi Enomoto,
Tooru Kimura, Tsutomu Mimoto, Naoka Hattori, **Nadia M. Mahfouz** ,
Hoda y. Hassan, Adel F. Youssef, Kenchi Akajii and Yoshiaki Kiso,
Peptide Chemistry: M. Ohno (Ed.) 349-352 (1994)
- 9) Quantitative Structure Activity Relationships (QSAR) of Polyoxygenated Xanthones and Benzophenones Anti-fungal Agents as Griseofulvin Analogues. **Nadia M. Mahfouz** and Soad M. Moghazy
Alex. J. Pharm. Sci. **9**, 21-27 (1995).
- 10) Design, Synthesis and Antiinflammatory Activity of some 1,3,4-Oxadiazole Derivatives. FA Omar, **NM Mahfouz**, and MA Rahman,
Eur. J. Med. Chem. **31**, 819- 825 (1996).
- 11) Molecular Structural Parameters in Tuberculostatic Activity of Polyhydroxyxanthones. Hassan H. Farag, Farghaly A. Omar and **Nadia M. Mahfouz**
Bull. Pharm. Sci. Assiut University, **21** , 7-14 (1998).
- 12) Metronidazole twin ester prodrugs: synthesis, Physicochemical properties, hydrolysis kinetics and anti giardial activity
Nadia M Mahfouz , Tarek Aboul-Fadl and Ahmed K. Diab
Eur. J. Med. Chem. **33**, 675-683 (1998) .
- 13) Metronidazole twin ester prodrugs II: Non Identical Twin Esters of Metronidazole and some Antiprotozoal Halogenated Hydroxyquinoline Derivatives. Tarek Aboul-Fadl and **Nadia M Mahfouz**
Scientia Pharmaceutica (Sci. Pharm.), **66**, 309- 324 (1998).
- 14) Effectts of Paeoniflorin Derivated on Scololamine-Induced Amnesia Using a Passive Avoidance Task in Mice; Structure Activity Relationship . Atef A. ABDEL-HAFFZ, Meselhy R. MESELHY, Norio NAKAMURA, Massao HATTORI, Hiroshi WATANABE, Yukihiisa MURAKAMI, Mahmoud A. El-GENDY, **Nadia M.MAHFOUZ** and Tarek A. MOHAMED
Biol. Pharm. Bull. **21**, 1174-1179 (1998).
- 15) Synthesis, Characteriuization and In-vitro Antifungal Evaluation of some Dithiocarbamic Acid Derivatives. **Nadia M Mahfouz** and Ahmed M. Moharam
Pharm. Pharmacol Commun. **5**, 315-322 (1999).
- 16) Cyclic amide derivatives as potential prodrugs II: N-Hydroxyl methyl succinimde-/isatin esters of some NSAIDs as prodrugs with
an improved therapeutic index. **Nadia M Mahfouz** , Farghaly A. Omar, Tarek Aboul-Fadl
Eur. J. Med. Chem. **34**, 551-562 (1999).
- 17) Anticonvulsant Activity of Paeonimetabolin-I Adducts obtained by Incubation of Paeoniflorin and Compounds with *Lactobacillus*



- brevis*. Atef A. ABDEL-HAFFZ, Meselhy R. MESELHY, Norio NAKAMURA, Massao HATTORI, Hiroshi WATANABE, Yukihsa MURAKAMI, Mahmoud A. El-GENDY, **Nadia M. MAHFOUZ** and Tarek A. MOHAMED
Biol. Pharm. Bull. **22**, 491-494(1999).
- 18) Synthesis of Di- and Tripeptide Analogs containing Ketoamide as a New Core Structure for Inhibition of HIV-1 Protease
Mahmoud M. Sheha, **Nadia M Mahfouz**, Hoda Y. Hassan, Adel F. Youssef, Tsutoma Mimotob and Yoshiaki Kiso
Eur. J. Med. Chem. **35**, 887-894 (2000).
- 19) Synthesis, Chemical and Enzymatic Hydrolysis, and Bioavailability
Evaluation in Rabbit of Metronidazole Amino Acid Ester Prodrugs with Enhanced Water Solubility
Nadia M Mahfouz and Maha A. Hassan
J. Pharm. Pharmacol. **53**, 841-848 (2001).
- 20) Formulation and Evaluation of Ciprofloxacin Hydrochloride Suppositories. M.A. Hassan and Nadia M. Mahfouz
Bull. Pharm. Sci. Assiut. University, **24**, 47-54 (2001).
- 21) New Paeonilactone-A Adducts formed by Anaerobic Incubation of Paeoniflorin with *Lactobacillus brevis* in presence of Arylthiol
Atef A. ABDEL-HAFFZ, Meselhy R. MESELHY, Norio NAKAMURA,
Massao HATTORI, Mahmoud A. El-GENDY, **Nadia M. MAHFOUZ** and Tarek A. MOHAMED
Chem. Pharm. Bull. **49** (7), 918-920 (2001).
- 22) Novel 5-(2-Hydroxyphenyl)-3-substituted-2,3-dihydro-1,3,4-oxadiazole-2-thione derivatives: promising anticancer agents
Ahmed S. Aboria, Hamdy M. Abdel-Rahman, **Nadia M. Mahfouz** and Mahmoud A. El-Gendy
Bioorganic & Medicinal Chemistry, **14** (2006) 1236 – 1246.
- 23) Synthesis and Three-dimensional Quantitative Structure Selectivity Relationship of 3,5-Disubstituted-2,4-Thiazolidine-dione Derivatives as COX-2 Inhibitors,
Ahmed .M.Ali, Gamal S. El-Karammany, **Nadia M. Mahfouz**, Mahmoud A. El-Gendy, Awad A. Radwan and Mohammed A. Ismail. *Arch. of Pharmacal Research*, **30**(2007) 1186-1204.
- 24) Design, and Synthesis and Docking Studies of New Series of 1,3,4-Thiadiazole-2-thione Derivatives with Carbonic Anhydrase Inhibitory Activity. Mohammed K. Abdel-Hamid, Atef A. El-Haffz, Nawal A. El-Kossy **Nadia M. Mahfouz**, Alessio Innocenti and Claudiu T. Supuran, *Bioorg. & Med. Chemistry* **15**(2007)6975-6984.
- 25) Quantitative structure-activity relationship (QSAR) studies on a series of 1,3,4-thiadiazole-2-thione derivatives as tumor-associated carbonic anhydrase IX inhibitors. Mohamed K. Abdel-Hamid, Atef A. Abdel-Hafez, Nawal A. El-Koussi, **Nadia M. Mahfouz**. *J. Enz. Inhib. Med. Chem.* **24**,(2009), 722.



- 26) Synthesis, biological investigation and molecular docking study of N- malonyl-1,2-dihydroisoquinoline derivatives as brain specific and shelf stable MAO inhibitors. Mohammed K. Abd El-Gaber, Hoda Y. Hassan, **Nadia M. Mahfouz**, Hassan H. Farag, Adnan A. Bakhit. *Eur. J. Med. Chem.* **93** (2015) 481-491.
- 27) Cu(I) catalyzed alkyne-azide 1,3-dipolar cycloaddition (CuAAC): Synthesis of 17 α -[1-(substituted phenyl)-1,2,3-triazol-4yl]-19-nortestosterone-17 β -yl acetates targeting progestational and antipro liferative activities, Z.H. Mohamed, Nawal A. El-Koussi, **Nadia M. Mahfouz**, Adel F. Youssef, Gehad A. Abdel Jaleel, Samia A. Shouman, *Eur. J. Med. Chem.* **9**, (2015) 75-82.
- 28) Design, Synthesis and Molecular Docking of New Benzimidazole Derivatives of Potential Antimicrobial Activity as DNA Gyrase and Topoisomerase IV Inhibitors Wafaa A. Zagahary , Manal M. Anwar , Somaia S. Abd El-Karim, Ghada E.A. Awad , Gehad K Hussein, **Nadia M. Mahfouz**. *Egypt. J. Chem. Vol. 64, No. 7 pp. 3817 - 3839* (2021)
<http://ejchem.journals.ekb.eg>.
- 29) Hepatoprotective Effects of Kombucha Tea in Carbon Tetrachloride-Induced Hepatotoxicity: An In Vivo and Molecular Docking Studies Catherine K.B. Zakhari , Samir M. Osman , **Nadia M. Mahfouz** , Camilia G. Michel , Essam Abdel-Sattar *Trop J Nat Prod Res, May 2021; 5(5):857-865*, <https://www.tjnpr.org>
- 30) Essential oil of *Cestrum diurnum* L: GC/MS analysis *in vitro* and *in silico* Anti H-CoV 229E effects and inhibitory activity against LPS induced inflammation, Dina M. Bahgat, Haidy A. Gad, Eman El-Sayed, Sara H. Mahmoud, Ahmed Mostafa, **Nadia M. Mahfouz**, Omayma A. Eldahshan, and Abdel Nassar B. Sengab , *Chemistry and Diversity 2023*.

c) **Training and Attendance of conferences :**

- Conferences: 22 conferences
- Workshops: 24 Workshops (Director)
- Seminars and Webinars : 90

7) **Awards:**

- Award of Assiut University to the presidency of the characteristics (2006/2007)
- ACDIMA Award for best research in 2008 from ACDIMA Drug Company (Oman, Jordanian).

8) **Memberships in the committee:**

Committee:

Member in 28 committee in addition to:

Head of Committee of Development of Department plans and Committee of Internal follow up.

Head of Pharmaceutical and Medicinal chemistry Dept. at Faculty of Pharmacy, Assiut University from 2001 – 2010 and Head of Chemistry Dept., Faculty of Pharmacy Oct 6 University (2018 till now).

Head of Committee of Monitoring Degrees of clinical Pharmacy program Faculty of Pharmacy Assiut University (Second semester 2015 – 2016).

Chairman of laboratories and training committee in Medicinal Chemistry Department Faculty of Pharmacy Assiut University (November 2014 – 2016).

Director of Drug design and molecular modeling lab at Pharmaceutical and Medicinal chemistry Dept. at Faculty of Pharmacy, Assiut University from 2006 – 2016 and Drug design and molecular modeling Unit on October 6



University from October 2016 till now.

Editorial board of Bulletin of Pharmaceutical Science, Faculty of Pharmacy, Assiut University (2012-2014).

9) Other activities:

- Head of Committee of Monitoring Degrees of clinical Pharmacy program Faculty of Pharmacy Assiut University (Second semester 2015 – 2016).
- Chairman of laboratories and training committee in Medicinal Chemistry Department Faculty of Pharmacy Assiut University (November 2014 – 2016)
- Member of the Committee of affairs and Governance of Faculty of Pharmacy, Assiut University (April 2015 – 2016).
- Member of the Committee of laboratories for community services and environmental of Faculty of Pharmacy, Assiut University (October 2013-September 2014, October 2011- September 2012).
- Head of Chemistry Dept., Faculty of Pharmacy October 6 University (2018- till now).
- Director of Drug Design and molecular modeling Unit Faculty of Pharmacy October 6 University (2016- till now).

Other Activities:

- Design, Preparation and processing the central Lab. in the Department of Med. Chem. Faculty of Pharmacy Assiut University (2000)
- Preparation and processing the centre of drug Research of the University and training the pharmacists on HPLC apparatus for drug analysis.
- Collaboration in analysis of Mercurochrome samples from El-Gemhoria Company.
- Implementation of the procedures for participation in MOE Program from Chemical Computing Group (CCG) in Canada since 2007 till now.
- Design, Preparation and processing the Computer Aided Drug Design (CADD) Lab. in the Department of Med. Chem. Faculty of Pharmacy Assiut University (2007)
- Design, Preparation and processing the special Labs. (Analysis, Synthesis & CADD labs in the Department of Med. Chem. Faculty of Pharmacy Assiut University (2007).
- Organizer for Visiting Dr. **C. Suresh Reddy**, Prof. of organic Chem. Faculty of Science, **Syi Venkotesware** University, Indian, the Department at March, 2006.
- Organizer for Visiting Dr. **Jean Jacques Bourguignon**, Professor of Med. Chem. Faculty of Pharmacy, **Strasbourg University**, France, the Department at 25/2/2009 and choose him as external evaluator of the Pharm. Med. Chem. Course of 3rd year Pharmacy student.
- Documentation of the University Books of 3rd, and 4th year Pharmacy student with Deposit Number and ISBN.
- Supervisor on computer-Aided Drug Design (CADD) lab of Medicinal Chemistry Department, Faculty of Pharmacy, Assiut University since 2010 till now.
- Director of the following workshop for Arabian Entrants students from Syrian, Libyan:
“Application of MOE software in drug design and discovery” 8-15 July, 2009 (Syrian Entrants Students).



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October 6 University

“Application of MOE software in drug design and discovery” 26-28 July, 2009 (Libyan Entrants Students).

- Director of infliction of outstanding students in research project in Med. Chem. Department through organization a workshop about application of MOE in drug design and discovery, 7-11 July 2012.
- Director of Drug Design and molecular modeling unit (DDMM) of Faculty of Pharmacy, October 6 University since 2016 till now.
- Organizer of several workshops in computer aided drug design approach at October 6 University since 2016- till now.