



-Personal information

- Full Name: Nadia Mohamed Ahmed Mahfouz
- Nationality: Egyptian
- Date of birth: 18 April 1951
- Place of birth: Qus-Quena
- Marital status: Married and has 4 children
- Address: October 6 University, El-Giza, Egypt
- E-Mail: Nadia_mahfouz@yahoo.com

-Education:

Research Fellow, Institute of Pharmaceutical Chemistry, Bonn University, Bonn, Germany, (from 1982-1987)

- **Ph.D.** in Pharmaceutical Sciences (Pharmaceutical Medicinal Chemistry department, Assiut University , 1988)

Ph.D. Thesis: "Synthesis and Screening of Certain Xanthone Derivatives as potential Anti- tuberculous Agents" , Assiut, 1988.

- **Master Degree** in Pharmaceutical Sciences (Pharmaceutical Medicinal Chemistry department, Assiut University , 1979)

M.Sc. Thesis: "Design and Synthesis of Potential Anti-infective Benzimidazole Derivatives", Assiut

B. Pharm. Sci. (Assiut University, 1974) Excellent Degree with honor.

-Professional occupations:

- **Demonstrator** (Pharmaceutical Medicinal Chemistry Department, Assiut University, 1974-1979).
- **Assistant lecturer** (Pharmaceutical Medicinal Chemistry Department, Assiut University, 1979-1988).
- **Lecturer** (Pharmaceutical Medicinal Chemistry Department, Assiut University, 1988-1995).
- Associate Professor (from 1995-2001).
- **Professor** (Pharmaceutical Medicinal Chemistry Department, Assiut University, 2001 till now).

-Experience

Head of Pharmaceutical Medicinal Chemistry Department (from 2001 – 2010).

Teaching experience :

A) Undergraduate Students:

- Pharm. Med. Chemistry (I & II) for 3rd and 4th year Pharmacy students Faculty of Pharmacy, Assiut University.
- Drug Design for 2nd year Pharmacy student, Faculty of Pharmacy ElAzhar University.
- Pharm. Med. Chemistry (I & II) for 3rd and 4th year Pharmacy students Faculty of Pharmacy, El-Azhar University.
- Med. Chemistry (I) for clinical Pharmacy student 6th semester, and Med. Chemistry (II) for clinical Pharmacy students 7th semester.
- Pharmaceutical Chemistry (I & II) for 3rd and 4th year Pharmacy students Faculty of Pharmacy, Oct 6 University.
- Organic Chemistry (II) for first year Pharmacy students Faculty of Pharmacy, Oct 6 University (2016).

- Assessment and defense of scientific projects given from 3rd and 4th year Pharmacy students, Faculty of Pharmacy, Assiut University.
- Member of oral committee examination for 3rd and 4th year Pharmacy students, Faculty of Pharmacy of Assiut, Cairo, Elmansora, Alexandria, Hellwan, El-Azhar, El-Zaggazig, El-Minia, Ain-Shamsh, 6-October, Miser International Future and Tanta Universities.
- Improve performance in the educational process (practical and theoretical) from tutorial classes, model answers, results declaration and carry out the statistical success rate to elevate the intellectual, practical and professional students skills.
- Teaching the following courses for the postgraduate students:
 - 1) General courses: Instrumental analysis (¹H-NMR)
 - 2) Special courses: (¹³C-NMR, stereochemistry, QSAR, physicochemical properties, basis of ¹³C-NMR and 2DNMR, Strategies and obstacles for synthesis of polypeptides, biotechnology products, computer aided drug design and special topics related to thesis).
- Member of committee examination (assessment and defense) of master and Ph.D thesis of Faculty of Pharmacy of Assiut(Medicinal and Organic Chemistry Departments), Hellwan, El-Azhar, El-Minia, Ain-Shamsh, Alexandria, Tanta and Caro Universities.
- Arbitration Research and research projects of King Abdul Aziz University in Saudi Arabia, Assiut University Pharmaceutical Science Conferences, Bulletin of Pharmaceutical Sciences - Faculty of Pharmacy -University of Assiut, Elmansoura and Cairo University.
- Identification of 2D & 3D Structural Characteristics of Drug Molecules Using Chem Draw Software for 4th Year Students, Faculty of Pharmacy Oct 6 University, through 1st semester 2016-2017.
- Study of interactive moieties for β -lactam antibiotics and their molecular characteristics for 3rd Year Students, Faculty of Pharmacy Oct 6 University, through 2nd semester 2016-2017.

B) Postgraduate students:

- 3) **General courses:** Instrumental analysis (¹H-NMR)
 - 4) **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).
- Member of committee examination (assessment and defense) of master and Ph.D thesis of Faculty of Pharmacy of Assiut(Medicinal and Organic Chemistry Departments), Hellwan, El-Azhar, El-Minia, Ain-Shamsh, Alexandria and Tanta Universities.
 - Arbitration research project of King Abdul Aziz University in Saudi Arabia
 - Arbitration researches of international Pharmaceutical Science Conferences, Assiut University
 - Arbitration researches of Bulletin of Pharmaceutical Sciences - Faculty of Pharmacy Assiut, Elmansoura, Ain shamsh and Cairo Universities.
 - Member of affairs committee (Arbitration) of associated professor of Faculty of Pharmacy, King Abdul Aziz University Saudi Arabia.
 - Molecular docking, Pharmacophore building, Rigid& Flexible Alignments, QSAR and Drug-Likeness Properties Studies for synthetic and natural molecules for post graduate students at Organic, Pharmaceutical Chemistry, Pharmacognosy Departments of Faculties of Pharmacy in Egypt, Organic Chemistry at Faculty of Science, and Pharmaceutical Chemistry at Faculty of Pharmacy Fesal King University El-Riad, Soadia Arabia

Research Interest:

- 1) Design and synthesis of drug analogs

- 2) Evaluation of drugs by using new analytical methods.
- 3) Correlating the chemical descriptors & physicochemical parameters with biological activities quantitatively (QSAR studies).
- 4) Prodrug approaches and chemical delivery system: Synthesis, improvement of their physicochemical properties and kinetic study using HPLC.
- 5) Studying docking, pharmacophore searching and alignments using computer software (MOE program).
- 6) Determination of bioavailability of drugs, prodrugs and related compounds.

Desertations Supervision

- Eight Masters, six approved
- Two Ph. Ds approved

List of publications

- 1) 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)
- 2) 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).
- 3) Colourimetric Determination of Certain Benzodiazepine Drugs
Kamla M Emara and **Nadia M. Mahfouz**
Egypt J. Pharm. Sci., **34**, 267-278 (1993).
- 4) Colourimetric Determination of Isoniazid and its Pharmaceutical Formulations
Nadia M. Mahfouz and Kamla M Emara , *Talanta*, **40**, 1023-1029 (1993).
- 5) 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).
- 6) 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).
- 7) 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. Sgeha, 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 BenzophenonesAnti-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) Effects of Paeoniflorin Derivatives on Scopolamine-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, Yukihisa MURAKAMI, Mahmoud A. El-GENDY, **Nadia M.Mahfouz** and Tarek A. Mohamed
Biol. Pharm. Bull. **21**, 1174-1179 (1998).
- 15) Synthesis, Characterization 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 succinimide-/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) 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,
Tsutomu Mimoto and Yoshiaki Kiso
Eur. J. Med. Chem. **35**, 887-894 (2000).
- 18) 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).
- 19) 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, Yukihisa MURAKAMI, Mahmoud A. El-GENDY, **Nadia M.MAHFOUZ** and Tarek A. MOHAMED
Biol. Pharm. Bull. **22**, 491-494(1999).
- 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 Qualitative 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-Thiazole-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) Study of 1,3,4-Thiazole-2-thione as Tumor Associated Carbonic anhydrase IX Inhibitors
Atef A. El-Haffz, Mohammed K. Abdel-Hamid, Nawal A. El-Kossy and **Nadia M. Mahfouz**
J. of enzyme inhibitor (2009)
- 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 a, *, Hoda Y. Hassan a, Nadia M. Mahfouz a, Hassan H. Farag a, Adnan A. Bekhit
European Journal of Medicinal Chemistry 93 (2015) 481e491
- 27) Cu (I) catalyzed alkyne-azide 1,3-dipolar cycloaddition (CuAAC): Synthesis of 17 α -[1-(substituted phenyl)-1,2,3-triazol-4-yl]-19-nortestosterone-17 β -yl acetates targeting progestational and antipro-liferative activities
Z.H. Mohamed a, *, Nawal A. El-Koussi a, Nadia M. Mahfouz a, Adel F. Youssef a, Gehad A. Abdel Jaleel b, Samia A. Shouman
European Journal of Medicinal Chemistry 97 (2015) 75-82

Conferences:

- Design, Synthesis and anti-inflammatory Activity of some 1,3,5-Oxadiazole Derivatives.
Nadia M. Mahfouz, F.A. Omar and M.M. Abdel Rahman
XXIV Conference Of Pharmaceutical Science Cairo International Conference Center 20 – 22 December 1994.
- QSAR Study of polyhydroxyxanthenes II: Correlation of Lipophylicity and some Molecular Orbital Descriptors with Anti Tubercular Activity.
Nadia M. Mahfouz, A. W. Frahm F. A. Omar and H. H. Farag
XXIV Conference Of Pharmaceutical Science Cairo International Conference Center 20 – 22 December 1994.
- Metronidazole Twin Esters Prodrugs II : Non Identical Twin Esters of Metronidazole and some Antiprotozoal Halogenated hydroxyquinoline Derivatives Tarek Aboul-Fadl, **Nadia M. Mahfouz** and Ahmed K. Diab
Assiut University First Pharmaceutical Science Conference 4 – 5 March 1998.
- Tolnaftate Analogues: Synthesis and In Vitro Activity of New Carbamodithioic acid Esters; **Nadia M. Mahfouz** and Abdel Raheem M. El-Shanawany First Pharmaceutical Science Conference 4 – 5 March 1998.
- Synthesis and QSAR of Apns Dipeptides Containing α -Keto Acids at P2 as HIV-IPR Inhibitors Mahmoud M. Sheha, **Nadia M. Mahfouz** Hoda Y. Hassan, Adel F. Youssef and Yoshiaki Kiso.
Assiut University First Pharmaceutical Science Conference 4 – 5 March 1998.
- Lecture in “The use of computers in the educational process” (Speaker)

Training and Attendance of conferences :

- Assiut University First Pharmaceutical Science Conference 4 – 5 March 1998.
- Lecture in “ HPLC as a tool in drug analysis” (Specker)
Assiut University First Pharmaceutical Science Conference 4 – 5 March 1998.
 - Lecture about “ Improvement of Performance of Pharmaceutical in Egypt “ by **Nadia M. Mahfouz; (Specker)**
Assiut University First Pharmaceutical Science Conference 4 – 5 March 1998.
 - Metronidazole Amino Acid Ester Prodrugs III : Synthesis, Physicochemical Properties, Hydrolysis Kinetic and Bioavailability Study; **Nadia M. Mahfouz** and Maha H. Hassan
Assiut University Second Pharmaceutical Science Conference 8–9March 2000.
 - Design, Synthesis and Antifungal Activity of Some 2- (1H-azolyl)–2-(4-Methoxynaphthyl) Ethane Derivatives, **Nadia M. Mahfouz**
Assiut University Second Pharmaceutical Science Conference 8– 9 March 2000.
 - Lecture about “ Peptidomimetic Inhibitors “ by **Nadia M. Mahfouz;** (Speaker) , Assiut University Third Pharmaceutical Science Conference 5 – 6 March 2002.
 - Synthesis and Investigation of Some 3,5-Disubstituted 2,4-Thiazolidinedione of Potential Analgesic and Anti-inflammatory Activities. Ahmed M. Shaheen, Gamal Eldin S. Alkrammany, **Nadia M. Mahfouz,** Mahmoud A. El-Gendy and Magda M. Yossry; Assiut University Fourth Pharmaceutical Science Conference 6 – 7 March 2004.
 - Design and Synthesis of New Salicylate Derived Compounds of Expected Antitumor Activity Ahmed S. Aboraia, Mahmoud A. El-Gendy, **Nadia M. Mahfouz** and Hamdy M. Abd-El-Rahman
Assiut University Fourth Pharmaceutical Science Conference 6 – 7

March 2004.

- Pharmacophore-Based Design and Synthesis of New 1,3,4-Thiadiazole Derivatives as Carbonic Anhydrase Inhibitors Mohammed K. Abdel-Hamid, Atef A. Abdel-Hafez, Nawal A. El-Koussi, **Nadia M. Mahfouz,** Dalal A. Abou El-Ella and T. Supuran.
Assiut University Fifth Pharmaceutical Sciences Conference 7 – 8 March 2006 .
- QSAR Study On a Series of 1,3,4-Thiadiazoles as Tumor-Associated CA IX Inhibitors, M. K. Abdel-Hamid, A.A. Abdel-Hafez, N. A. El-Koussi, and **N. M. Mahfouz**
The 7th Internationak Saudi Pharmaceuticak Conference, (19-21 March 2007), Riyadh, Saudia Arabia.
- Assiut University Fifth Pharmaceutical Sciences Conference 12 – 13 March 2008.

Workshops, Training Courses and Seminars:

- Regulate a series of workshops and training courses concerning **computer-aided drug design using MOE program at Medicinal Chemistry Department Assiut University, Assiut, Egypt:**
 - 1) Computer Aided Drug Design Using MOE (on the slidelines of Assiut University 5th International Pharmaceutical science Conference, March 7th & 8th, 2006 (presentation and not workshop).
 - 2) Computer Aided Drug Design Using MOE (I), March 12-15, 2006.
 - 3) Computer Aided Drug Design Using MOE (II), March 22, 2006.
 - 4) Computer Aided Drug Design Using MOE (III), March 25, 2006.
 - 5) Computer Aided Drug Design Using MOE (IV), September 9-14, 2006
 - 6) Computer Aided Drug Design Using MOE (V), December 5-7, 2006
 - 7) Computer Aided Drug Design Using MOE (VI), March 12-15, 2007

- 8) Application of MOE in Drug Design (VII) , Jan, 26-29 2008
 - 9) Computer Aided Drug Design Using MOE(VIII), July 5-10, 2008
 - 10) Computer Aided Drug Design Using MOE(IX), August 23-28, 2008
 - 11) Computer Aided Drug Design Using MOE(X), February 7-12, 2009
 - 12) Computer Aided Drug Design Using MOE(XI), Jan, 26-28, 2013
 - 13) Molecular docking as a tool in Drug Design Using MOE(XII), February 3-5, 2015
- Regulate a series of workshops and training courses concerning **computer-aided drug design using software programs at Drug Design and Molecular modeling Unit Oct 6 University, El-Giza, Egypt:**
 - 1) Application of molecular modeling in drug design discovery using MOE 18-20 Dec 2016.
 - 2) Chem Draw interactive spectroscopy (for Pharmacy students)18 & 25 March 2017.
 - 3) Structure-Based drug design and Ligand modification using MOE 11-13 April 2017
 - 4)
 - Seminar in "Optimal use of cleaning products and cosmetics" October,14, 1996
 - Lecture in "Theory and practice of ¹³ C-NMR: , December,12,1996 (Speaker)
 - Workshop in "Molecular biology", May, 3-6, 1997.
 - Seminar in " Aromatic plants, their cultivation and economic importance" October, 20, 1997.
 - Seminar in "2D and 3D NMR and its applications", October, 22, 1997.
 - Seminar in "Human cloning" April 1st 1998.
 - Workshop in "Uses and applications of electron microscope" March 7-12 1998.
 - Training course in "Uses of Internet" February, 13-18, 1999.
 - Training course in "Legal Studies" December 4-6, 1999.
 - Workshop in " Identification of different types of Aspergillums species" March 24-29, 2001.
 - Seminar in "Peptidomimetic Inhibitors" September, 2001 (Specker)
 - Seminar in Synthesis of 5,7-Disubstituted Phenyl-2-(Pyridyl)-1,2,4-Triazolo[1,5-a]Pyrimidine with Potential Biological Activity(10/4/2002).
 - Seminars in 1,2-Dihydroisoquinoline-N-Acetic Acid Derivatives as a New Carrier for Brain Specific Delivery (18/11/2002, 20/11/2002, 28/11/2002)
 - Seminar in "Design, Synthesis and Investigation of Novel 5,6-Dihydroimidazolo [2,1-b]Thiazole Derivatives of Expected anti-inflammatory activity(11/12/2002).
 - Training course in "New trend in University teaching" January 14-16, 2003.
 - Seminar in *Microwave Ovens Out of Kitchens (15/3/203)*.
 - Seminar in 1,5-Diaryl-1H-1,2,4-Triazole-3-Carboxylic Acid Derivatives as Non-steroidal Antiinflammatory Agents (8/4/2003).
 - Seminar in Rational Procedure for 3DQSAR Analysis Using TRNOE-Experiment and Computational Methods: Application to Thermolysin Inhibitors (11/4/2003).
 - Seminar in An Unusual "Senseless" 2, 5-Oligonucleotide with Potent Anti-HIV Activity (30/4/2003).
 - Seminar in Synthesis and investigation of some 3(5)-substituted-1,2,4-triazole-5(3) acetic acid derivatives of potential anti- inflammatory activity (6/5/2003)

- Seminar in "Synthesis and Investigation of Novel 3,5-Disubstituted 2,4-Thiazolidinedione Derivatives of Potential Biological Interest " 3D-Qualitative Structure Activity Relationship" (28/10/2003)
- Seminar in "Synthesis and Investigation of Novel 3,5-Disubstituted 2,4-Thiazolidinedione Derivatives as Analgesic and anti-inflammatory Agents(9/11/2003).
- Seminar in "Design and Synthesis of New 5-Phenyl-1-(3-Pyridyl)-1H-1,2,4-Triazole-3-Carboxylic Acid Derivatives of Potential Anti-inflammatory Activity (11/11/2003).
- Seminar in "Synthesis and investigation of some 5(3)-substituted-1,2,4-triazole-3(5) acetic acid derivatives of potential anti-inflammatory activity (18/11/2003).
- Seminar in Accreditation Standards and Guidelines for Pharmacy Education (24/2/2004).
- Seminar in Novel Diazeniumdiolates and Diazeniumdiolate Hybrids as Nitric Oxide Releasing Drugs (11/3/2004).
- Seminar in "Dihydropyrimidine Derivatives as Calcium Channel Blockers (18/3/2004).
- Seminar in "Design and Synthesis of Some 5-Substituted Isoxazole-3-Carboxylic Acid Derivatives as Antiinflammatory Agents(3/4/2004).
- Seminar in "Design, synthesis and Anti-tumor Evaluation of new Salicylate Derived Compounds (13/4/2004).
- Seminar in "Establishment of an Internet Quality Assurance System in Faculty of Pharmacy, Assiut University".
- Workshop in Faculty of Pharmacy, Ain-Shamah Univerisity, about Workshop in computer Aided Drug Design in pharmacophore Generation using catalyst and Cerius 2 software and Silican Graphics computers, May12-13, 2004.
- Workshop in "Practical program for skills" January 12-13, 2005.
- Seminar in "Pharmacy practice from the point of view of WHO April, 20, 2005.
- Seminar in "Biotransformation Studies of Some Anti-inflammatory Drugs Using Human Intestinal Bacteria (3/5/2005).
- Seminar in "Design, Synthesis and Antimicrobial Evaluation of Small Schiff Bases Combinatorial Library (4/10/2005).
- Seminar in "Design, Synthesis and Antimicrobial Evaluation of Small Schiff Bases Combinatorial Library (4/10/2005).
- Seminar in "Design and synthesis of new 6-phenyl-1-(3-pyridyl)-1H-1,2,4-triazole 3-carboxylic acid derivatives of potential anti-inflammatory activity (29/11/2005).
- Seminar in "Rhumatoid Arthritis (26/4/2006).
- Seminar in Studies of human intestinal bacterial metabolites of prednisone (26/6/2006)
- Seminar with Prof. Dr. Hany Helal, Minister of higher education and scientific research November, 7, 2006.
- Seminar in "Introduction to Combinatorial Chemistry and its Application in DD (28/2/2007).
- Seminar in "Design of Combinatorial Library Using MOE (7/3/2007).
- Seminar in "Computer-Aided Design, and Synthesis of Certain New 1,3,4-Thiadiazole Derivatives as Carbonic Anhydrase Inhibitors (24/4/2007) .

- Seminar in “Design, synthesis and antimicrobial evaluation of small Schiff bases library (I)” (28/6/2007).
- Seminar in “ Different biological activities of 1,2,4-triazole derivatives (21/7/2007).
- Seminar in “Design, synthesis and antimicrobial evaluation of small Schiff bases library (II)” (7/11/2007).
- Seminar in “Synthesis and evaluation of Uracil and Adenine nucleotide derivatives and analogs as P2Y receptor ligands” (21/11/2007).
- Seminar in “Synthesis of substituted dihydropyrimidines as hypotensive agents” (15/1/2008).
- Seminar in “Academic standards and their relationship to the standard criteria of standard reference” May, 7th, 2008.
- Seminar in “Identify the needs of the domestic market of the community services provided by the Foundation” May,11, 2008.
- Seminar in “Design, synthesis and investigation of new prodrugs of certain anti-inflammatory drugs’ (22/6/2008).
- Seminar in “Strategic plan of Faculty of Pharmacy” Jun, 30, 2008.
- Seminar in “Monoamine oxidase inhibitors” (12/7/2008).
- Seminar in “Model of the joint work plan in the application of the quality Assurance” August, 14, 2008.
- Seminar in Strategic plan “Gap Determination” August, 14, 2008.
- Seminar in “Participation of stakeholders in the development of a program of Pharmaceutical Science, Clinical Pharmacy” August, 27, 2008.
- Seminar in ‘Research plan of Medicinal Chemistry Dept. November, 17, 2008 (Speaker).
- Seminar in “Design, synthesis and investigation of new brain specific anti-depressants” (26/11/2008).
- Seminar in “Design and synthesis of certain 1,2,4-triazole derivatives with potential biological activity” 24/12/2008).
- Lecture in “ Synthesis and use of polyfunctional pyridazines as valuable intermediates
- Seminar in “Role of Faculty of Pharmacy in solving Drug Industry problems in Egypt” March, 3rd, 2009.
- Seminar in “ Chlorzoxazone esters of some non-steroidal anti-inflammatory drugs as mutual prodrugs” (10/3/2009).
- Seminar in “Active learning in Pharmacy Curriculum” April, 7th, 2009.
- Seminar in “Association between the manifestation and give up” May, 13, 2009.
- Seminar in “Code of Ethics in Research & Practice” May, 19, 2009.
- Seminar in “Swine Flu between the deaths, slaughter” May, 20, 2009.
- Seminar in “ A comparative study of the outputs of the Faculty of Pharmacy program and academic standards” March, 17, 2009.
- Seminar in “

Committee:

- ❖ Member in Committee of “Follow-up to the replacement and renovation”
- ❖ Member in Committee of “Researches and Activities ”
- ❖ Member in “Board of Directors of the Quality Assurance Unit”
- ❖ Member in Committee of “ Heads of Departments of the draft Quality Assurance”
- ❖ Member in Committee of” Course specification and course report”
- ❖ Member in management team of CIQAP.
- ❖ Head of Committee of Development of Department plans
- ❖ Head of Committee of Internal follow up.
- ❖ Member of the General Syndicate of Pharmacists of Egypt

- ❖ Member of the Egyptian Pharmaceutical Society
- ❖ Member of Egyptian Society of electron microscope (1998-1999)
- ❖ Member of the Board of the Faculty of Pharmacy
- ❖ Member of the Committee on College Libraries (1996-1999).
- ❖ Member of the Committee on Education and Student Affairs of College (1996-1999)
- ❖ Member of the Board of Pharmacy Department of Medical Chemistry (1988-2001).
- ❖ Head of Med. Chem. Dept. (2001- 2010).
- ❖ Member of the Committee on post Graduate Studies (2001- 2010).
- ❖ Member of affairs of society and the environment (2006-2007).
- ❖ Member of the Organizing Committee and management self-evaluation in the draft proposed by the Commission on the education sector Pharmacist involvement with some colleges of pharmacy in the Arab Republic of Egypt.
- ❖ Member in Department of Pharmaceutical Services Center College
- ❖ Member of “Monitoring Committee Degrees” of 1st, 3rd and 4th student Pharmacy.
Editorial board of Bulletin of Pharmaceutical Science, Faculty of Pharmacy, Assiut University.
- ❖ Member in “Intellectual property rights and publishing committee”.

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).

Other Activities:

- Design, Preparation and processing the central Lab. in the Department of Med. Chem.
- Preparation and processing the centre of drug 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.
- Visit Dr. **C. Suresh Reddy**, Prof. of organic Chem. Faculty of Science, **Syi Venkotesware** University, Indian and received him in the Department at March, 2006.
- Visit Dr. **Jean Jacques Bourguignon**, Professor of Med. Chem. Faculty of Pharmacy, **Strasburg University**, France and received him in 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