

CURRICULUM VITAE

PERSONAL:

Name: Ghada Sameh Hafez Hassan.

Position: Associate Professor of pharmaceutical and medicinal chemistry.

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Faculty of Pharmacy,
Mansoura University,
Mansoura, Egypt.
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Date of Birth: November 10, 1974.

Place of Birth: Cairo, Egypt.

EDUCATION:

Ph.D (Medicinal Chemistry), 2007:

University of Mansoura, Mansoura, Egypt.

Dissertation: "Synthesis of Certain New Aryl Fused Triazolopyrimidine Derivatives of Expected Pharmacological Action"

M.Sc. (Medicinal Chemistry), 2002:

University of Mansoura, Mansoura, Egypt.

Dissertation: "Synthesis of Certain New 1-Adamantyl Derivatives of Expected Pharmacological Activity."

B.Sc. (Pharmaceutical Sciences), 1996:

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

EMPLOYMENT AND RESPONSILITIES:

- 2013-present Associate Professor of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 2009-2014 Assistant professor, Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia
- 2007- 2009 Member of Scientific research committee for CIQAP, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 2007- 2013 Lecturer of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 2002-2007 Ph.D. graduate student, Dept. of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 1997-2002 Research Associate, Dept. of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Egypt.
- 1991-1996 Graduate research and teaching associate, Dept. of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

TEACHING EXPERIENCE:

Medicinal and Organic Chemistry courses for undergraduate Students.

a. Undergraduate:

- 1. Organic Medicinal Chemistry:** A standard course offered to the third and fourth year class, Faculty of Pharmacy. Emphasis is on uses, syntheses, structure and biological activity for compounds of medicinal and pharmaceutical importance.
- 2. Pharmacopeial Standards of Pharmaceutical Compounds:** A standard course offered to the third year class, which deals with official pharmacopeal limits and standards for drug evaluation, including methods of preparation, quantitative and qualitative assays.
- 3. Pharmaceutical Analysis:** A laboratory course for the quantitative and qualitative assays for drugs and its impurities.
- 4. Organic Chemistry:** A basic course offered to the first and second year class,

which covers functional group, heterocyclic and carbohydrate chemistry.

- 5. Spectrometric Identification of Pharmaceutical Compounds:** The course deals with the principles and application of nuclear magnetic resonance (NMR), mass (MS) and infra-red (IR) spectrometry in the structural elucidation of organic compounds.
- 6. Pharmaceutical Chemistry:** The course deals with the introduction to the physicochemical properties of drugs, the principles and application of drug metabolism with special interest of certain classes of pharmaceutical drugs such as adrenergic, cholinergic agents, antihistaminics, cardiovascular drugs, CNS agents and antifungal agents.

b. Graduate:

- 1- Spectroscopic Methods of Identification:** A course offered to graduate and drug analysis diploma students emphasizing application of instrumental methods used in structural elucidations, including IR, UV, -mass spectrometry, ^{13}C and two dimensional NMR (Cosy, Hetcor ... etc.) spectroscopy.
- 2- Advanced Medicinal Chemistry:** A course offered to graduate and diploma students including advanced information for drug classes including antiviral, narcotic analgesics, chemotherapeutic agents, antihistaminics and antifungal agents.

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, ^1H NMR spectroscopy.

MEMBERSHIPS:

1. The Editorial Board of "African Journal of Microbiology Research", since 2013.
2. The Saudi Pharmaceutical Society since 2012.
3. The Egyptian Syndicate of Pharmacists since 1996.

PATENTS:

- 1. European Patent EP 2 514 753 B1, Aug. 2013. WIPO 2012/136356 A1, U.S. Patent US 8,741,893 B2, Jun. 03, 2014.** "6,7-Dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivatives and pharmaceutical compositions containing the same

as hypnotic or anesthetic agent and method for their preparation.”Ghada S. Hassan, Hussein I. El-Subbagh, Mohamed A. Al-Omar, Kamal E. H. El-Taher, Khalid A. Al-Rashood, Abdulrahman M. Al-Obaid, Adel S. Al-Azab, Alaa A.-M. Abdelaziz, Mohamed M. Hefnawy.

- 2. European Patent EP 2 514 754 B1, Aug. 2013. WIPO 2012/136385 A1, U.S. Patent 2014/0088091 A1, Mar. 27, 2014.** “6,7-dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivative and pharmaceutical composition containing the same as neuromuscular blocker or skeletal muscle relaxant, and method for the preparation.” Adel S. Al-Azab, Hussein I. El-Subbagh, Khalid A. Al-Rashood, Kamal E. H. El-Taher, Mohamed A. Al-Omar, Ghada S. Hassan, Fatmah A. Al-Omary, Alaa A.-M. Abdelaziz, Mohamed A. Hefnawy.
- 3. European Patent EP 2 592 085 B1, July 2016, EP 2592085 A1, May. 2013.** Thiazolo[3,2-a][1,3]diazepine derivatives and pharmaceutical compositions containing the same as novel anticonvulsant agents and method for their preparation. Sara T. A. Al-Rashood, Hussein I. El-Subbagh, Ghada S. Hassan, Kamal E. H. El-Taher, Mohamed A. Al-Omar.

SUPERVISION OF DISSERTATIONS:

- 1. Selwan M.H. El-Sayed**, Ph.D. (In progress), Mansoura University, Mansoura, Egypt. "Design and Synthesis of New Imidazole Derivatives of Potential Antitumor Activity."
- 2. Somaya A. Mohammed El-Saed**, Ph.D. (In progress), Mansoura University, Mansoura, Egypt. " Design and synthesis of new heterocyclic compounds as potential anticancer agents: molecular modeling study".
- 3. Mohamed A. S. Mosa**, M.Sc. (In progress), Mansoura University, Mansoura, Egypt. “Synthesis and Biological Evaluation of New Quinazoline-4(3H)-one Analogues”.
- 4. Amal Mokhtar**, M.Sc. (In progress), Mansoura University, Mansoura, Egypt. “Synthesis and Biological Evaluation of Some New Benzodiazepine Derivatives”.
- 5. Sara Adel**, M.Sc. (In progress), Mansoura University, Mansoura, Egypt. " Synthesis and biological evaluation of some nitrogenous heterocyclic compounds as anti-inflammatory agents".
- 6. Ekram A. Mostafa**, M.Sc. (In progress), Mansoura University, Mansoura, Egypt. "Design, synthesis and molecular modeling study of new benzofuran derivatives as antimicrobial agents".

AWARDS:

1. "Dr. Waleed Kayali Prize for Scientific Research" Saudi Pharmaceutical Society, Riyadh, Saudi Arabia, 2008.
2. Honoring for Patency from **“Women’s Higher Education Symposium: Growth to Competition”**. January 11-13 2013, Riyadh, KSA.
3. Honoring for Patency from **“The World Intellectual Property Day”**. April 26, 2016, Mansoura University, Mansoura, Egypt.

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 antiviral (HIV, Hepatitis B and C), anticancer and antioxidant.

PEER REVIEW:

Regular reviewer in international highly cited journals in the field of pharmaceutical and Medicinal Chemistry:

- 1- European Journal of Medicinal Chemistry.
- 2- Journal of Enzyme Inhibition and Medicinal Chemistry.
- 3- Bioorganic Chemistry.
- 4- International Journal of Medicinal Chemistry.
- 5- Arabian Journal of Chemistry.
- 6- Medicinal Chemistry Research.
- 7- Letters in Drug Design and Discovery.
- 8- The Chemical society of Ethiopea.
- 9- African Journal of Microbiology Research.

FUNDED RESEARCH PROJECTS:

1. “Synthesis and Biological Evaluation of Certain New quinazoline and phenyldiazepine analogues as Antitumour Agents.” Sara T. Alrashood, Ghada S. Hassan. Raeced Projects, Deanship of Scientific Research, King Saud University, 2012, Riyadh, Saudi Arabia.

2. "Nonclassical Antifolates: Synthesis, Biological Evaluation and Molecular Modeling Study of Some Quinazolin-4-one Analogues as DHFR Inhibitors." Hussein I. Elsubbagh, Hanan Hanna, Ghada S. Hassan, Shahenda M. El-Messery, Youmna Ibrahim. **Proposal ID 12626**, Science and Technology Development Fund (STDF), National Research Center Branch, 2014, Cairo, Egypt.
3. "Leveling up the quality of research standards using NMR spectrometer". Hussein I. Elsubbagh, Ghada S. Hassan, Farid A. Badria, Fatma M. Abdel bar, Magda A. Abdel-aziz, Laila A. Abuzeid. **Proposal ID 21746**, Science and Technology Development Fund (STDF) within the frame of the "Capacity Building Grant", National Research Center Branch, 2014, Cairo, Egypt.

LITERATURE CITATIONS:

A. Publications:

1. New Imidazole-4-one and imidazolidine-2,4-dione analogs: design, synthesis, antitumor activity, and molecular modeling study. Selwan M. El-Sayed, Mahmoud B. El-Ashmawy, Said M. Bayoumi, Ghada S. Hassan, Hussein I. El-Subbagh. *American Journal of Physiology, biochemistry and Pharmacology*, 2018, 7, 24-41.
2. Synthesis, antimicrobial, anti-biofilm evaluation, and molecular modeling study of new chalcone linked amines derivatives. Shahenda M. El-Messery, El-Sayed E. Habib, Sarah T.A. Al-Rashood, Ghada S. Hassan. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2018, 33, 818-832.
3. Tyrosine Kinase Inhibition Effects of Novel Pyrazolo[1,5-a]pyrimidines and Pyrido[2,3-d]pyrimidines Ligand: Synthesis, Biological Screening and Molecular Modeling Studies. Mardia T. El Sayed, Hoda A. Hussein, Nora M. Elebiary, Ghada S. Hassan, Shahenda M. Elmessery, Ahmed R. Elsheakh, Mohamed Nayel, Hatem A. Abdel-Aziz. *Bioorganic Chemistry*, 2018, 78, 312-323.
4. Design, Synthesis, anti-inflammatory activity and Molecular docking of Potential novel antipyrene and pyrazolone Analogs as cyclooxygenase enzyme (COX) Inhibitors. Mardia T. El Sayed, Marwa A.M.Sh. El-Sharief, Eman S. Zarie, Nesrin M. Morsy, Ahmed R. Elsheakh, Andrey Voronkov, Vladimir Berishvili, Ghada S. Hassan. *Bioorg. & Med. Chem. lett.*, 2018, 28, 952-957.
5. Design, Synthesis, Anti-inflammatory Antitumor Activities, Molecular Modeling and Molecular Dynamics Simulations of Potential Naprosyn® Analogs as COX-1

- and/or COX-2 Inhibitors. Mardia T. El Sayed, Marwa A.M.Sh. El-Sharief, Eman S. Zare, Nesrin M. Morsy, Ahmed R. Elsheakh, Mohammed Nayel, , Andrey Voronkov, Vladimir Berishvili, Nermien M. Sabry , Ghada S. Hassan, Hatem A. Abdel-Aziz. *Bioorganic Chemistry*, 2018, 76, 188-201.
6. Synthesis and anticancer activity of New Thiazolo[3,2-*a*]pyrimidines: DNA Binding and Molecular Modeling Study. Ghada S. Hassan, Shahenda M. El-Messery, Ahmad Abbas, *Bioorganic Chemistry*, 2017, 74, 41-52.
 7. Synthesis, biological evaluation and molecular modeling study of new (1,2,4-triazole or 1,3,4-thiadiazole)-methylthio-derivatives of quinazolin-4(3H)-one as DHFR inhibitors. Yomna I. El-Gazzar, Hanan H. Georgey, Shahenda M. El-Messery, Heba A. Ewida, Ghada S. Hassan, Marwa M. Raafat, Menna A. Ewida, Hussein I. El-Subbagh. *Bioorganic Chemistry* 2017, 72, 282-292.
 8. Synthesis and antitumor testing of certain new Fused Triazolopyrimidine and Triazoloquinazoline derivatives. G.S.Hassan, M. A. El-Sherbeny, M.B. El-Ashmawy, S. M. Bayomi, A. R. Maarouf, F. A. Badria. *Arab. J. Chem.* 2017, 10, S1345-1355.
 9. Thiadiazolodiazepine analogues as a new class of neuromuscular blocking agents: Synthesis, biological evaluation and molecular modeling study. Hussein I. El-Subbagh, Adel S. El-Azab, Ghada S. Hassan, Shahenda M. El-Messery, Alaa A.-M. Abdel-Aziz, Kamal E.H. El-Taher. *Eur. J. Med. Chem.*, 2017, 126, 15-23.
 10. Synthesis, biological evaluation and molecular modeling study of thiadiazolo[3,2 a][1,3]diazepine analogues of H1E-124 as a new class of short acting hypnotics. Hussein I. El-Subbagh, Ghada S. Hassan, Kamal E.H. El-Taher, Shahenda M. El-Messery, Adel S. Al-Azab, Alaa A.-M. Abdelaziz, Mohamed M. Hefnawy. *Eur. J. Med. Chem.*, 2016, 124, 237-247.
 11. Synthesis, biological evaluation and molecular modeling study of some new methoxylated 2-benzylthio-quinazoline-4(3H)-ones as nonclassical antifolates. Shahenda M. El-Messery, Ghada S. Hassan, Mahmoud N. Nagi, El-Sayed E. Habib, Sarah T. Al-Rashood , Hussein I. El-Subbagh, *Bioorg. & Med. Chem. lett.*, 2016, 26, 4815-4823
 12. Binding affinity and Molecular modeling study of substituted thiazoles on 5-HT₆ receptor for the enhancement of cognitive functions in Alzheimer's disease. Sara T. Al-Rashood, Shahenda M. El-Messery, Reem Alkhodier, Lama Alsheddi, Layla Alsulaimani, Aljoharah Ababtain, Fadilah S. Aleanizy, Fulwah Alqahtani, Amal K. Belaid, Asma Eswayah and Ghada S. Hassan. *J. Chem. Pharm. Res.*, 2016, 8, 772-781

13. Synthesis, biological evaluation and molecular modeling study of some new thiazolodiazepine analogs as CNS active agents. Sarah T. A. Al-Rashood , Ghada S. Hassan , Shahenda M. El-Messery , Kamal E. H. El-Taher , Mohamed M. Hefnawy , Mahmmed A. Al-Omar , Hussein I. El-Subbagh. ***Bioorg. & Med. Chem. lett.***, 2016, 26, 445-453.
14. Fingolimod (FTY720) As an Anti-Multiple Sclerosis Oral Ultimate Therapy. Sara T. Alrashood, Fadilah S. Aleanizy, Fulwah Alqahtani, Ahad Abushal, Noor AlSalama and Ghada S. Hassan. ***BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA***, 2015, 12, 1175-1179.
15. Synthesis, biological evaluation and molecular modeling study of 2-(1,3,4-Thiadiazolyl-thio and 4-methyl-thiazolyl-thio)-quinazolin-4-ones as a new class of DHFR inhibitors. Sarah T. Al-Rashood, Ghada S. Hassan, Shahenda M. El-Messery, Mahmoud N. Nagi, El-Sayed E. Habib, Fatmah A. M. Al-Omary, and Hussein I. El-Subbagh. ***Bioorg. & Med. Chem. lett.***, 2014, 24, 4557–4567.
16. Nonclassical antifolates, part 5. Benzodiazepine analogs as a new class of DHFR inhibitors: Synthesis, antitumor testing and molecular modeling study. Hussein I. El-Subbagh, Ghada S. Hassan, Shahenda M. El-Messery, Sarah T. Al-Rashood, Fatmah A.M. Al-Omary, Yasmin S. Abulfadl, Marwa I. Shabayek. ***Eur. J. Med. Chem.***, 2014, 74, 234-245.
17. Synthesis and Antitumor Activity of Certain New Thiazolo[2,3-*b*]quinazoline and Thiazolo[3,2-*a*]pyrimidine Analogs. G.S. Hassan. ***Med. Chem. Res.***, 2014, 23, 388-401.
18. Nonclassical antifolates, Part 4. 5-(2-Aminothiazol-4-yl)-4-phenyl-4H-1,2,4-triazole-3-thiols as a new class of DHFR inhibitors: Synthesis, biological evaluation and molecular modeling study. Ghada S. Hassan, Shahenda M. El-Messery, Fatmah A.M. Al-Omary, Sarah T. Al-Rashood, Marwa I. Shabayek, Yasmin S. Abulfadl, El-Sayed E. Habib, Salwa M. El-Hallouty, Walid Fayad, Khaled M. Mohamed, Bassem S. El-Menshawi, Hussein I. El-Subbagh. ***Eur. J. Med. Chem.***, 2013, 66, 135-145.
19. Nonclassical-antifolates Part 3: Synthesis, biological evaluation and molecular modeling study of some new 2-heteroarylthio-quinazolin-4-ones. F.A.M. Al-Omary, G.S. Hassan, S.M. El-Messery, M.N. Nagi, E.-E. Habib, H.I. El-Subbagh. ***Eur. J. Med. Chem.***, 2013, 63, 33-45.
20. Novel 4(3H)-quinazolinone analogs: synthesis and anticonvulsant activity. A. S.

El-Azab, S.G. Abdel-Hamide, M.M. Sayed-Ahmed, G.S. Hassan, T.M. El-Hadiyah, O.A. Al-Shabanah, O.A. Al-Deeb, H.I. El-Subbagh. *Med. Chem. Res.* 2013, 22(6), 2815-2827.

21. Substituted Thiazoles VII. Synthesis and Antitumor Activity of Certain 2-(Substitued amino)-4-Phenyl-Thiazole Analogues. G.S. Hassan, S.M. El-Messery, F.A.M. Al-Omary, H.I. El-Subbagh. *Bioorg. & Med. Chem. lett.*, 2012, 22, 6318–6323.
22. Substituted Thiazoles VI. Synthesis and Antitumor Activity of New 2-Acetamido- and 2 or 3-Propanamido-Thiazole Analogues. Shahenda M. El-Messery, Ghada S. Hassan, Fatmah A. M. Al-Omary, Hussein I. El-Subbagh. *Eur. J. Med. Chem.*, 2012, 54, 615-625.
23. Substituted Thiazoles V. Synthesis and Antitumor Activity of Novel Thiazolo[2,3-*b*]quinazoline and Pyrido[4,3-*d*]thiazolo[3,2-*a*]pyrimidine Analogues. F.A.M. Al-Omary, G.S. Hassan, S.M. El-Messery, H.I. El-Subbagh. *Eur. J. Med. Chem.*, 2012, 47, 65-72.
24. Synthesis and Anticonvulsant Activity of Some New Thiazolo[3,2-*a*][1,3]diazepine, Benzo[*d*]thiazolo[5,2-*a*][12,6]diazepine and Benzo[*d*]oxazolo[5,2-*a*][12,6]diazepine Analogues. H.I. El-Subbagh, G.S. Hassan, A.S. El-Azab, A.A.-M. Abdel-Aziz, A.A. Kadi, A.M. Al-Obaid, O.A. Al-Shabanah, M.M. Sayed-Ahmed. *Eur. J. Med. Chem.*, 2011, 46, 5567-5572.
25. Synthesis, Antimicrobial and Antiviral Testing of Some New 1-Adamantyl Analogues. Ghada S. Hassan, Ali A. El-Emam, Laila M. Gad, Alaa Eldin M. Barghash. *Saudi pharmaceutical Journal*, 2010, 18, 123-8.
26. Synthesis and biological evaluation of some polymethoxylated fused pyridine ring systems as antitumor agents. Sherif A. F. Rostom, Ghada S. Hassan, and Hussein I. El-Subbagh. *Arch. Pharm. Chem. Life Sci.*, 2009, 342, 584-90.
27. New ultra-short acting hypnotic: Synthesis, biological evaluation, and metabolic profile of ethyl-8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-*a*][1,3]diazepin-3-carboxylate (HIE 124). Hussein I. El-Subbagh, Hassan A. El-Kashef, Adnan A. Kadi, Alaa A.-M. Abdel-Aziz, Ghada S. Hassan, Justice Tettey, and Jochen Lehmann. *Bioorg. & Med. Chem. lett.*, 2008, 18, 72-7.

28. Synthesis, Ultra-short acting hypnotic activity, and metabolic profile of ethyl-8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-*a*][1,3]diazepin-3-carboxylate (HIE 124). Adnan A. Kadi, Hassan A. El-Kashef, Alaa A.-M. Abdel-Aziz, Ghada S. Hassan, Justice Tettey, Mary H. Grant, Jochen Lehmann, and Hussein I. El-Subbagh. *Arch. Pharm. Chem. Life Sci.*, 2008, 341, 81-9.

B. Book Chapters:

G.S. Hassan "Menadione: Comprehensive Profile" a monograph in "Profiles of Drug Substances, Exipients and Related Methodology" series, H.G. Brittain, editor, Academic Press, Burlington. 2013, 38, 227-313.

CONFERENCES:

1. **"1st PHARMA-EGYRUSS 2018 "**, Faculty of Pharmacy, Egyptian Russian University, Cairo, Egypt. April 28-29, 2018.
2. **"1st Internatonal Pharm Conference"**, Faculty of Pharmacy, Helwan University, Cairo, Egypt. October 1-2, 2017.
3. **"1st International Conference of Pharmaceutical Sciences"**, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. April 9-11, 2017.
4. **"The 13th International Conference on Chemistry and Its role in Development"**, Mansoura University - Sharm El-Sheikh, Egypt. March 20-24, 2017.
5. **"The International Conference of Scientific Research and Innovation"**, Mansoura University, Mansoura, Egypt. March 7-9, 2017.
6. **"Towards a Vibrant Low-carbon Bio-based Economy in Egypt: The Use of Synthetic Biology and Advanced Industrial Biotechnology for an Accelerated Transition"**, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. March 4, 2017.
7. **"The 1st International Workshop on Drug Discovery"**, National Research Centre, Cairo, December 5-6, 2016.
8. **Chair Person in "5th Scientific Conference of Pharmacy Students"**, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. November 12, 2016.
9. **"Translational Research in Pharmacy: From Bench To Market"**, Cairo University, Cairo, Egypt. April 16-17, 2016.

10. **“University and Industry, the role of university in economic development”**, Mansoura University, Mansoura, Egypt. March 7-9, 2015.
11. **“FUE International Conference of Pharmaceutical Sciences”** Intercontinental-City Star Cairo, Egypt. February 9-11, 2015.
12. **7th Brazilian Symposium on Medicinal Chemistry (BrazMedChem2014)**, Campos do Jordao, SP, Brazil, November 9-12, 2014.
13. **5th International Conference on Drug Discovery and Therapy**. Dubai, UAE, February 18-21, 2013.
14. **Humboldt Kolleg**, German University in Cairo, Egypt, 28 Sept.-1 Oct. 2012.
15. **“The Saudi International Biotechnology Conference”**. King Abdulaziz City for Science and Technology (KACST). KACST Headquarters, Conference Hall, Riyadh, Saudi Arabia, September 18-19, 2012.
16. **FUE International Conference on Pharmaceutical Technologies (ICPT)**, Intercontinental-City Star, Cairo, Egypt. February 6-9, 2012.
17. **“Evidence-Based Pharmacotherapy Symposium”**, Saudi Pharmaceutical Society, Madareem Crown Hotel, Riyadh, Saudi Arabia. December 21, 2011.
18. **The 4th International Chemistry Conference**, Madareem Crown Hotel, Riyadh, Saudi Arabia. November 19-21, 2011.
19. **The 8th Saudi International Pharmaceutical Conference**, Al-Faisaliah Hotel, Riyadh, Saudi Arabia. April 26-28, 2010.

WORKSHOP ATTENDANCE

1. **“Design and reviewing research articles”**, Training course, April 30- May 2, 2017, Mansoura University, Egypt.
2. **“Legal Aspects in Universities”**, Training course, November 8, 2016, Mansoura University, Egypt.
3. **“Crisis Management”**, Training course, November 6, 2016, Mansoura University, Egypt.

4. **“The Financial Aspects in Universities”**, Training course, November 2, 2016, Mansoura University, Egypt.
5. **“Course Specifications of Postgraduate Courses”**, Workshop, May 15, 2016, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
6. **“Strategic Planning”** Workshop, March 9, 2016, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
7. **“How to write a scientific article”**, Training course, January 12-13, 2016, Mansoura University, Egypt.
8. **“Strategic Planning”**, Training course, December 13-14, 2015, Mansoura University, Egypt.
9. **“Moddle Management”**, Workshop, December 1, 2015, Faculty of Pharmacy, Mansoura University, Egypt.
10. **“Current Frontiers in Drug Design”**, Workshop, February 9-11, 2015, FUE conference, Cairo, Egypt.
11. **“Rubric System for Students Assessment”**, Training Course, March 4-5, 2013, KSU, Riyadh, Saudi Arabia.
12. **“Feedback as a tool for better Learning”**, Training Course, February 19, 2013, KSU, Riyadh, Saudi Arabia.
13. **“GC/MS management and data interpretation”**, Training Course, August 1-3, 2011, Faculty of Science, Mansoura University, Egypt.
14. **“Application of the academic standards in the educational program”** Training course, July 26-28, 2011, Mansoura University, Egypt.
15. **“Administrative Management”** Training course, July 16-18 2011, Mansoura University, Egypt.
16. **“Credit Hours System”** Training course, July 9-11 2011, Mansoura University, Egypt.
17. **“Improvement of communications skills”** 6 / 11 / 1432, KSU, Riyadh, Saudi Arabia.
18. **“Improvement and quality assurance week events”** 27 / 3 / 1432, KSU, Riyadh,

Saudi Arabia.

19. **“Influence and persuading skills”** Training course, November 27-29, 2010, KSU, Riyadh, Saudi Arabia.
20. **“Learning Management system”** Training course, November 8-9, 1431, KSU, Riyadh, Saudi Arabia.
21. **“Nuclear Magnetic Resonance (NMR) Spectral Interpretations”**, Training Course. College of Pharmacy, University of Mansoura, Mansoura, Egypt. August 30, 2010.
22. **“Nuclear Magnetic Resonance (NMR) For Pharmacists”**, *The 8th Saudi International Pharmaceutical Conference*, Al-Faisaliah Hotel, Riyadh, Saudi Arabia. April 26-28, 2010.
23. **“The effective teaching skills”** Training course, March 27-29, 2010, KSU, Riyadh, Saudi Arabia.
24. **“Course Design and Construction”** Training course, Academic year 1430-1431, KSU, KSU, Riyadh, Saudi Arabia.
25. **“Micro-Teaching”** Training course, Academic year 1430-1431, KSU, KSU, Riyadh, Saudi Arabia.
26. **“Learning outcomes assessment”** Training course, Academic year 1430-1431, KSU, KSU, Riyadh, Saudi Arabia.
27. **“The effective use of smart classrooms”** workshop October 14, 2009, KSU, Riyadh, Saudi Arabia.
28. **“The usage of the electronic gate for staff members”** workshop 10/6/1430, at KSU, Riyadh, Saudi Arabia.
29. **“The academic accreditation and its applications in Higher education Institution.”** workshop 1, 2/ 6/1430, at KSU, Riyadh, Saudi Arabia.
30. **“Research Trends in Pharmaceutical Chemistry”**. Drug Exploration and Development Chair (DEDC), Marriot Hotel, Riyadh, Saudi Arabia. April 13, 2009.
31. **“The instruction of staff electronic sites”** workshop 4-5/ 4/ 1430, at KSU, Riyadh, Saudi Arabia.

32. **“The Halif program”** workshop 17/6/1430, at KSU, Riyadh, Saudi Arabia.
33. **“The third foundation program for: creation and preparation of new faculty members”** October 18-19, 2009, KSU, Riyadh, Saudi Arabia.
34. **“The evaluation of the Performance of Students Skills”** Training course, November 9-11, 2009, KSU, Riyadh, Saudi Arabia.
35. **“The teaching coarse portfolio”** Training course, December 14-15, 2009, KSU, Riyadh, Saudi Arabia.
36. **“Private Groups – Reasons and Cure”** Workshop, October 15, 2008, Faculty of Pharmacy, Mansoura University, Egypt.
37. **“Development of Pharmacists Career”** Workshop, October 13, 2008, Faculty of Pharmacy, Mansoura University, Egypt.
38. **“Credit Hours”** Workshop, May 28, 2008, Faculty of Pharmacy, Mansoura University, Egypt.
39. **“Environmnetal and Climate Changes”** Workshop, April 24, 2008, Faculty of Pharmacy, Mansoura University, Egypt.
40. **“Electronic Exams”** Workshop, April 2, 2008, Faculty of Pharmacy, Mansoura University, Egypt.
41. **“Research team coordination”** Training course, November 18-20, 2007. Mansoura University, Egypt.
42. **“Scientific research techniques”** Training course, August 21-24, 2005. Mansoura University, Egypt.
43. **“Effective demonstration Skills”** Training course, July 31- August 3, 2005. Mansoura University, Egypt.
44. **“Effective Teachning”** Training course, July 2-7, 2005. Mansoura University, Egypt.
45. **“Profession Ethics”** Training course, May 22-24, 2005. Mansoura University, Egypt.
46. **“Thinking Skills”** Training course, May 8-11, 2005. Mansoura University, Egypt.

47. **“Effective Communication Skills”** Training course, April 30- May 5, 2005.
Mansoura University, Egypt.

ACTIVITIES RELATED TO COMMUNITY SERVICES

- 1- Chairman of the Scientific advisory board of **"Pharmacists' Skills Community: Scientific Research 101"** Mansoura University, Mansoura, Egypt. July 19-20, 2017.
- 2- Member of the organizing Committee, **"1st International Conference of Pharmaceutical Sciences"**, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. April 9-11, 2017.
- 3- Coordinator of Faculty of Pharmacy, Mansoura University For **University Pioneers Initiative**, National Council of Population, Ministry of Health, Egypt, December 2016 till now.
- 4- Chairman of the **Public Relations Committee**, Faculty of Mansoura, Mansoura University, Mansoura, Egypt, October 2016 till now.
- 5- Member of the **Professional Orientation Committee**, Faculty of Mansoura, Mansoura University, Mansoura, Egypt, October 2016 till now.
- 6- Member of **Community Services and Environmental Development**, Faculty of Mansoura, Mansoura University, Mansoura, Egypt, October 2016 till now.
- 7- Member of the Self Study committee (Academic and Educational program), Faculty of Pharmacy, Mansoura University since October 2014 till present.
- 8- Member of the Faculty Executive committee of Faculty strategies planning, Faculty of Pharmacy, Mansoura University since October 2014 till present.
- 9- Member in the organization committee of Student Graduation Ceremony 2006-2007, September 2007, Faculty of Pharmacy, Mansoura University, Egypt.
- 10- Member of the Faculty committee of quality assurance College of Pharmacy, King Saud University, Saudi Arabia From 2011-2013.
- 11- Member of the committee of Annual report and Student Schedules in the pharmaceutical Chemistry Department, College of Pharmacy, King Saud University, Saudi Arabia, From 2011-2013.
- 12- Chairman of the committee of quality assurance in the department of

Pharmaceutical Chemistry. College of Pharmacy, King Saud University, Saudi Arabia, From 2011-2013.

- 13-Member of the scientific research committee, Faculty of Pharmacy, Mansoura University. (2007-2009).
- 14-Contribution in preparation of the course specification and course reports of the master degree courses of pharmaceutical sciences offered by the department of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University. (2006-2009).
- 15-Sharing in stating the "Mission and Vision of the Faculty of Pharmacy" as an activity of the CIQAP project, Faculty of Pharmacy, Mansoura University. (2006-2009).

Lectures for community services and Career development

- 1- Lecture on "Chemistry in Our Lives", February 2013, Faculty of Pharmacy, King Saud University, KSA.
- 2- Lecture on "Drug Design and Development" "**Pharmacists' Skills Community: Scientific Research 101**" Mansoura University, Mansoura, Egypt. July 19-20, 2017.
- 3- Lecture on "How to interpret Data", **EPSF**, Mansoura University, Mansoura, Egypt. May, 2017.
- 4- Lecture on "How to write a project proposal" **EPSF**, Mansoura University, Mansoura, Egypt. May, 2017.
- 5- Lecture on "**Profession Ethics**", Scientific committee of Mansoura University, Mansoura University, Mansoura, Egypt. April, 2018.