

Mohammed El-Sayed Abd El-Ghaffar Hammouda



Associate Professor of Medicinal Chemistry

Faculty of Pharmacy, Mansoura University
Faculty of Pharmacy, Horus University - Egypt

Home Pages

<https://scholar.google.com/citationsuser=6QyUxIYAAAAJ&hl=en>
<https://www.scopus.com/authid/detail.uri?authorId=55946344400>
<https://orcid.org/0000-0003-2900-4083>
<http://www.researcherid.com/rid/L-8670-2017>
<https://www.mendeley.com/profiles/mohammed-hammouda/>
<https://publons.com/author/1588627/mohammedhammouda#profile>
<https://mansoura.academia.edu/MohammedHammouda>
https://www.researchgate.net/profile/Mohamed_Hamouda3
<https://www.linkedin.com/in/mohammed-abd-elghaffar3a075b132>
<https://www.youtube.com/channel/UCOCu6DJ6FSfBk3liVuuK9ug>

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Gamasa City, Damietta

Language

- English
- Arabic (basic)

Education

Faculty of Pharmacy - Mansoura University

Faculty of Pharmacy - Horus University

Associate Professor of Medicinal Chemistry
2019-2024

Faculty of Pharmacy - Mansoura University

Lecturer in Medicinal Chemistry 2014-2019

Faculty of Pharmacy - Mansoura University

Ph.D. in Medicinal Chemistry 2014
Assistant Lecturer 2010-2014

Faculty of Pharmacy - Mansoura University

Master in Medicinal Chemistry 2010
Demonstrator 2004-2010

Faculty of Pharmacy - Mansoura University

B.Sc. (Pharmaceutical Sciences), 2004
Excellence with Honor (85.53 %).

EXPERTISE

- Medicinal Chemistry.
- Quality Control of pharmaceuticals.
- Handling with familiarity of different new analytical techniques.
- Capability of statistical analysis and data interpretation.
- Computational drug design.
- Excellent project and postgraduate supervisor.
- Excellent Scientific Paper writers with

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- Creativity
- Team working
- Communication Skills

Employment

2019-2024	<p>Associate professor of Medicinal Chemistry Dept, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.</p> <p>Associate professor of Pharmaceutical Chemistry Dept, Faculty of Pharmacy, Horus University - Egypt, New Damietta, Egypt.</p>
2014 - 2019	<p>Lecturer of Medicinal Chemistry Dept, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.</p>
2010 - 2014	<p>Assistant Lecturer of Medicinal Chemistry Dept., Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.</p>
2004 - 2010	<p>Demonstrator of Medicinal Chemistry Dept. , Faculty of Pharmacy, Mansoura University, Egypt</p>

Different Committees and Administrative Positions

2023 - up till now	<p>Vice Director of the Quality Assurance and Accreditation Unit, Faculty of Pharmacy, Horus University - Egypt.</p>
2017 - up till now	<p>Vice Chairman of the Pharmaceutical Chemistry Department for Medicinal Chemistry Specialty, Faculty of Pharmacy, Horus University - Egypt, New Damietta, Egypt.</p>
2020 - 2023	<p>College Coordinator for community service and environmental development, Faculty of Pharmacy, Horus University - Egypt, New Damietta, Egypt.</p>
2020 - up till now	<p>Member of the Community Service and Environmental Development Committee, Horus University - Egypt, New Damietta, Egypt.</p>
2020 - up till now	<p>Member of the College Board, Faculty of Pharmacy, Horus University - Egypt.</p>
2017 - up till now	<p>Secretary and member of the Education and Student Affairs Committee, Faculty of Pharmacy, Horus University - Egypt, New Damietta, Egypt.</p>
2023 - up till now	<p>Member of the Community Service and Environmental Development Committee, Faculty of Pharmacy, Horus University - Egypt, New Damietta, Egypt.</p>
2020 - 2022	<p>Coordinator and supervisor of Medical Convoys at the Faculty of Pharmacy, Horus University - Egypt.</p>
2019 - up till now	<p>Head of Different Undergraduate Student Control, Faculty of Pharmacy, Horus University - Egypt.</p>
2020 - 2023	<p>Secretary of the Pharmaceutical Chemistry Department Council, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt, for two successive years.</p>

2017 - 2023	Leader of a student family , Faculty of Pharmacy, Horus University - Egypt
2019	Member of the college bylaw setting committee (Clinical & Pharm D), Faculty of Pharmacy, Horus University - Egypt.
2017 - up till now	Supervisor of academic advisors for students at Different levels Faculty of Pharmacy, Horus University - Egypt.
2022 & 2023	General Supervisor of yard Sale , Faculty of Pharmacy, Horus University - Egypt.
2022	Member of the jury in the ideal student selection committee , Faculty of Pharmacy, Horus University - Egypt.
2020 - 2023	An internal evaluator for the departments, Faculty of Pharmacy, Horus University - Egypt.
2018	Member of the committee dealing with beneficiaries , Faculty of Pharmacy, Horus University - Egypt.
2017 - up till now	Member of the Faculty Quality Assurance Center , Faculty of Pharmacy, Horus University - Egypt.
2018 - up till now	Member of the Faculty Laboratories Committee supervision , Faculty of Pharmacy, Horus University - Egypt.
2020	Member of the Committee Preparing the Certificate Equivalency File , Faculty of Pharmacy, Horus University - Egypt.
2018 - 2019 2022-2023	Member of the Supervision Summer Training Committee , Faculty of Pharmacy, Horus University - Egypt.
2019	Member of the Committee for the Construction of the Demo Pharmacy , Faculty of Pharmacy, Horus University - Egypt.
2020 - up till now	Member of the Central Research Laboratory , Faculty of Pharmacy, Horus University - Egypt.
2019	Member of the Committee for the Construction of the Drug Information Center (DIC) , Faculty of Pharmacy, Horus University - Egypt.
2014 - 2016	Secretary of the Medicinal Chemistry Department Council, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt, for two successive years.
2011 - 2017	Member of the Faculty Quality Assurance Center , Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2017	Member of the postgraduate studies control - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2017	Member of the Central Laboratory - Faculty of Pharmacy, Mansoura University, Egypt.

2016 - 2017	Chairman of the College Libraries Committee - Faculty of Pharmacy, Mansoura University, Egypt.
2017 - up till now	Member of the Board of the Pharmaceutical Chemistry Department - Faculty of Pharmacy, Horus University - Egypt.
2017	Member of the Student Union Elections Committee - Faculty of Pharmacy, Horus University - Egypt.
2014 - 2015	Member of the Coordination and Admission Committee for Diploma, master's, and PhD students - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2015	Member of the Committee for Preparing the Description of the bachelor's Program with the Credit Hours System - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2015	Coordinator of the Department of Pharmaceutical Chemistry for Postgraduate Studies - Faculty of Pharmacy, Mansoura University, Egypt.
2013 - 2014	Member of the College Crisis and Disaster Committee - Faculty of Pharmacy, Mansoura University, Egypt.
2005 - 2017	Member of the technical committees (tenders - examination - deciding - inventory) - Faculty of Pharmacy, Mansoura University, Egypt.
2011 - 2017	Member of the committee for preparing ISO and quality files in the department of Medicinal Chemistry - Faculty of Pharmacy, Mansoura University, Egypt.
2012 - 2013	Member of the Student Union Elections Committee - Faculty of Pharmacy, Mansoura University, Egypt.
2011 - 2012	Member of the Occupational Safety and Health Committee - Faculty of Pharmacy, Mansoura University, Egypt.
2010 - 2012	Coordinator of the Department of Pharmaceutical Chemistry at the Faculty of Quality Assurance and Accreditation Unit - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2016	Member of the Committee for Preparing Quality Files of the Clinical Pharmacy Program - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2017	Member of the Board of the Department of Medicinal Chemistry - Faculty of Pharmacy, Mansoura University, Egypt.
2014 - 2017	Academic advisor for clinical pharmacy students - Faculty of Pharmacy, Mansoura University, Egypt
2004 to date	Member of the College's self-study preparation team - Faculty of Pharmacy, Mansoura University, Egypt.
2004 - up till now	Member of the Damietta Pharmacists Sub-Syndicate.
	Member of the General Syndicate of Pharmacists.

Teaching Experience:

Medicinal Chemistry courses for undergraduate Students (Bachelor of Pharmacy & Pharm D and Clinical Program) and postgraduate Students (Diploma & Master and Ph.D.) including:

- ✚ Different Medicinal classes of drugs (eg. Autonomic Nervous system, Gastrointestinal Drugs, Antihistamine, Oral Hypoglycemic agents, Antithyroid, Hormonal Drugs, Anticancer, Macrolides, Tetracyclines, Quinolines.....).
- ✚ Chemical basis of drug action (Physicochemical Properties of Drugs).
- ✚ Computer Aided Drug Design (MOE)
- ✚ Drug stability and expected degradation pathways.
- ✚ Quality control of pharmaceutical preparations.
- ✚ Sample extraction and preparation.
- ✚ Therapeutic drug monitoring (TDM).
- ✚ Instrumental analysis of drugs in their pharmaceutical preparations.
- ✚ Stress testing: the chemistry of drug degradation
- ✚ Different function group analysis and stability indicating methods.
- ✚ Computer based Statistical analysis (using Excel, Instate and Prism programs)
- ✚ Drugs and drug targets
- ✚ Quality control of pharmaceutical preparations
- ✚ Emphasis on uses, synthesis, chemical structure, biological activity, SAR and analysis for compounds of medicinal and pharmaceutical importance.
- ✚ Qualitative identification of organic and inorganic compounds
- ✚ Limit tests and pharmacopeial monographs.
- ✚ Pharmaceutical analysis of drugs in raw materials using different analytical techniques
- ✚ Chemical structure drawing using ChemOffice program (Chemdraw & Chem3D)
- ✚ Prepare, deliver, and organize the laboratory and tutorial sessions.

Research experience:

- ✚ Handling with familiarity of different analytical techniques (Spectrophotometer, Spectrofluorometer, HPLC, Capillary Electrophoresis, Hot Plate, Ultrasonic Bath, Centrifuge, Sensitive Balance, Ice Maker, Drying Oven, pH Meter).
- ✚ Capability of statistical calculation of analytical data using traditional methods and advanced programs (Excel, Prism and Instate).
- ✚ Extensive use and interpretation of instrumental data, including spectrophotometry, spectrofluorometry and HPLC.
- ✚ Different analytical methods development and validation.
- ✚ Instrumental methods of chemical analysis and different aspects of chemical reactions.
- ✚ Search and collection of scientific material via the textbooks and websites.
- ✚ Writing and organization of thesis and papers of medicinal chemistry.

Research Interests

- ✚ Artificial Intelligence in Drug discovery and drug Design
- ✚ Nouvelle methods development and validation for quality control assurance of drugs belonging to various chemical classes.
- ✚ Handling of different analytical tools and instrumental devices (Spectrophotometer, Spectrofluorimeter, HPLC, FTIR and capillary electrophoresis)

Publications:

1. Spectrophotometric methods for determination of ritodrine in bulk and in pharmaceutical dosage forms. **Mohamed Abd El-Ghaffar**, Dina El-Sherbiny, Dalia El-Wasseef, Saadia El-Ashry, *Journal of Food and Drug Analysis*, **2008**, 16(2), 26-35.
2. Simultaneous determination of ritodrine and isoxsuprine using coupling technique of synchronous fluorimetry and H-point standard addition method. Dina T. El-Sherbiny, Dalia R. El-Wasseef, **Mohammed E. Abd El-Ghaffar**, Saadia M. El-Ashry, *Journal of Fluorescence*, **2010**, 20(1), 251-260.
3. Simultaneous determination of ritodrine and isoxsuprine in pharmaceutical preparations using liquid chromatography. Dina T. El-Sherbiny, **Mohammed E. Abd El-Ghaffar**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Journal of Liquid Chromatography & Related Technologies*, **2010**, 33(15), 1476-1486.
4. Spectrofluorimetric determination of two β -agonist drugs in bulk and pharmaceutical dosage forms via derivatization with dansyl chloride. **M. E. Abd El-Ghaffar**, D. R. El-Wasseef, D. T. El-Sherbiny, S. M. El-Ashry, *Journal of Analytical Chemistry*, **2011**, 66(5), 476-481.

5. Simultaneous determination of irbesartan and hydrochlorothiazide in pharmaceutical preparations and spiked human plasma using microemulsion liquid chromatography. **Mohammed E. A. Hammouda**, Mohamed A. Abu El-Enin, Dina T. El-Sherbiny, Dalia R. El-Wasseef, Saadia M. El-Ashry, *International Journal of Advances in Pharmaceutical Research*, **2013**, 4(7), 1944-1959.
6. Microemulsion liquid chromatographic method for simultaneous determination of simvastatin and ezetimibe in their combined dosage forms. **Mohammed E. A. Hammouda**, Mohamed A. Abu El-Enin, Dina T. El-Sherbiny, Dalia R. El-Wasseef, Saadia M El-Ashry, *Journal of analytical methods in chemistry*, **2013**, 2013
7. Simultaneous determination of enalapril and hydrochlorothiazide in pharmaceutical preparations using microemulsion liquid chromatography. **Mohammed E. A. Hammouda**, Mohamed A. Abu El-Enin, Dina T. El-Sherbiny, Dalia R. El-Wasseef, Saadia M El-Ashry, *Journal of chromatographic science*, **2014**, 53(1), 90-96
8. Validated spectrofluorimetric method for determination of two phosphodiesterase inhibitors tadalafil and vardenafil in pharmaceutical preparations and spiked human plasma. Mohammed Abu Bakr Abu El-Enin, **Mohammed El-Sayed Abd El-Ghaffar Hammouda**, Dina Tawfik El-Sherbiny, Dalia Rashad El-Wasseef, Saadia Mahmoud El-Ashry, *Luminescence*, **2016**, 31(1), 173-178
9. Validated spectrofluorimetric determination of gemifloxacin in pharmaceutical preparations and spiked human plasma. Reem N. El Gammal, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef and Saadia M. El-Ashry. *Journal of Advances in Chemistry*, **2016**, 12(21), 5299-5306
10. Validated sensitive spectrofluorimetric method for determination of antihistaminic drug azelastine HCl in pure form and in pharmaceutical dosage forms: application to stability study. Amal A. El-Masry, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Luminescence*, **2017**, 32(2), 177-181
11. Validated spectroscopic methods for determination of anti-histaminic drug azelastine in pure form: Analytical application for quality control of its pharmaceutical preparations. Amal A. El-Masry, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 191, 413-420
12. Simultaneous determination of gatifloxacin and prednisolone in their bulk powder, synthetic mixture and their combined ophthalmic preparation using micellar liquid chromatography. Reem N. El Gammal, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Journal of chromatographic science*, **2018**, 56(4), 367-374
13. Validated ion pair chromatographic method for simultaneous determination and *in vitro* dissolution studies of indacaterol and glycopyrronium from inhaled capsule dosage form. Yomna A. Salem, **Mohammed E. A. Hammouda**, Noha M. Saleh, Mohamed A. Abu El-Enin, Saadia M. El-Ashry, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 204, 464-474.

14. Eco-Friendly Green Liquid Chromatographic Determination of Azelastine in the Presence of its Degradation Products: Applications to Degradation Kinetics. Amal A. El-Masry, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Journal of AOAC International*, **2018**, Vol. 101.
15. Synthesis and anti-inflammatory activity of sulfonamides and carboxylates incorporating trimellitimidates: dual cyclooxygenase/carbonic anhydrase inhibitory actions. Alaa A.-M. Abdel-Aziz, Andrea Angeli, Adel S. El-Azab, **Mohammed E. A. Hammouda**, Magda A. El-Sherbeny, Claudiu T. Supuran, *Bioorganic Chemistry*, **2019**, 84, 260-268.
16. Application of derivative emission fluorescence spectroscopy for determination of ibuprofen and phenylephrine simultaneously in tablets and biological fluids. Yomna A. Salem, **Mohammed E. A. Hammouda**, Mohamed A. Abu El-Enin and Saadia M. El-Ashry, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 210, 387-397.
17. Multiple analytical methods for determination of formoterol and glycopyrronium simultaneously in their novel combined metered dose inhaler, *BMC chemistry*, **2019**, 13, 1, P7
18. Eco-friendly green liquid chromatographic separations of novel combination of azelastine and fluticasone in the presence of their pharmaceutical dosage form additives. Amal A. El-Masry, **Mohammed E. A. Hammouda**, Dalia R. El-Wasseef, Saadia M. El-Ashry, *Current Analytical Chemistry*, **2020**, Vol. 14.
19. Applying eco-friendly micellar liquid chromatography for the simultaneous determination of two ternary mixtures utilized for cold treatment using monolithic column, Mohamed A Abu El-Enin, Yomna A Salem, Saadia M El-Ashry, **Mohammed EA Hammouda**, *Journal of the Chinese Chemical Society* 68 (9), 1686-1696, **2021**
20. Exploring the molecular interaction of mebendazole with bovine serum albumin using multi-spectroscopic approaches and molecular docking, Reem N El Gammal, Heba Elmansi, Ali A El-Emam, Fathalla Belal, **Mohammed EA Hammouda**, *Scientific Reports* 12 (1), 11582, **2022**
21. Multiple sensitive eco-friendly analytical approaches for the determination of two fourth-generation fluoroquinolones: Application to stability study and content uniformity testing, Reem N El Gammal, Dalia R El-Wasseef, Saadia M El-Ashry, **Mohammed EA Hammouda**, *Journal of the Chinese Chemical Society* 69 (11), 1924-1936, **2022**
22. Isocratic ion pair chromatography for estimation of novel combined inhalation therapy that blocks coronavirus replication in chronic asthmatic patients, **Mohammed EA Hammouda**, Yomna A Salem, Saadia M El-Ashry, Mohamed A Abu El-Enin, *Scientific Reports* 13 (1), 305, **2023**
23. Insights on the in-vitro binding interaction between donepezil and bovine serum albumin, Reem N El Gammal, Heba Elmansi, Ali A El-Emam, Fathalla Belal, Perihan A Elzahhar, Ahmed SF Belal, **Mohammed EA Hammouda**, *BMC chemistry* 17 (1), 31, **2023**

24. Insights of different analytical approaches for estimation of budesonide as COVID-19 replication inhibitor in its novel combinations: green assessment with AGREE and GAPI approaches, **Mohammed E. A. Hammouda**, Amal A. El-Masry, Saadia M. El-Ashry & Dalia R. El-Wasseef, BMC chemistry 17 (1), 1-14, **2023**
25. Inclusive study for sustainable enantioseparation of racemic chlorpheniramine and caffeine by HPLC using dual cyclodextrin system as chiral mobile phase additive: assessment with AGREE and Complex-GAPI approaches. **Mohammed E. A. Hammouda**, Amal A. El-Masry, Dalia R. El-Wasseef, Saadia M. El-Ashry Sustainable Chemistry and Pharmacy, 101201 (**2023**) 35

Conferences

1. 1st Scientific Conference in Pharmaceutical Sciences, Pharmacy between present and future challenges, **Organizer and Poster presentation** Faculty of Pharmacy, Horus University - Egypt, 21 May 2023.
2. 3rd International Mansoura Conference in Pharmaceutical Sciences - MUPharm, 30 August - 2 September 2022, Faculty of Pharmacy, Mansoura University, Egypt, **Poster presentation** entitled, *Quick and green approaches for simultaneous assessment of gemifloxacin and azithromycin an approved protocol for the drug-resistant gonorrhoea.*
3. 2nd Scientific Conference (Future Scientists 3) as **Scientific committee external evaluator** , 17-18/4/2019, Damietta University - New Damietta - Egypt
4. 2nd International Conference of Pharmaceutical Sciences MU- PHARM, 9-12/4/2019, Faculty of Pharmacy, Mansoura University, Egypt, **Poster presentation** entitled, *Application of derivative emission fluorescence spectroscopy for determination of ibuprofen and phenylephrine simultaneously in tablets and biological fluids.*
5. 1st international conference of pharmaceutical science, Faculty of Pharmacy, Mansoura University, Egypt, April 9-11, **2017**. **Poster presentation** entitled, *Eco-friendly Green Liquid Chromatographic Separation of Azelastine and Fluticasone in the Presence of their Pharmaceutical Dosage Form Additives.*
6. The 3rd FUE International Conference on Pharmaceutical Sciences, Intercontinental City Stars Hotel, Nasr City, Cairo, Egypt. February 9-11, **2015**. **Poster presentation** entitled, *Simultaneous determination of Irbesartan and Hydrochlorothiazide in pharmaceutical preparations and spiked human plasma using microemulsion liquid chromatography.*
7. 1st national conference "Industry & University"- The role of the university in economic development, Mansoura University, Egypt, 7-9 March **2015**, *under patronage of Mr. President Abdel Fattah El-Sisi and participation of the prime minister and ministers of higher education, scientific research, military production and industry.*
8. 2nd Scientific conference for pharmacy students, Mansoura University, Faculty of Pharmacy, Egypt, March 26, **2013**.

Workshops and Scientific Sessions

- 1- How to Construct MCQ & Short Essay Questions, Horus University - Egypt, 24/10/2023
- 2- دور الملكية الفكرية وبراءات الاختراع فى دعم البحث العلمى جامعة حورس تحت إشراف مكتب براءات الاختراع بجامعة المنصورة 2023/10/14
- 3- Content analysis in scientific research, The scientific association for studies and applied research, 13/10/2023
- 4- The correlation analysis between the biological activity and QSAR using SPSS, Faculty of Alexandria, 28/9/2023
- 5- ورشة عمل عن التقييم الذاتى البرامجى فى مؤسسات التعليم العالى الهيئة القومية لضمان جودة التعليم والإعتماد 2023/9/25-9/23
- 6- ورشة عمل عن التقييم الذاتى لكليات ومعاهد التعليم العالى الهيئة القومية لضمان جودة التعليم والإعتماد 2023/9/21-9/19
- 7- Artificial Intelligence in Drug Discovery and Development Workshop, Faculty of Science – Alexandria University - Egypt, 31/8/2023
- 8- Capillary Electrophoresis Workshop, Menoufia University, 2nd International Conf. of Pharmaceutical and Therapeutical Science, 13/5/2023
- 9- الجهاز الإدارى بالكلية أين نحن من متطلبات الجودة 2023/5/15 كلية الصيدلة - جامعة حورس مصر
- 10- أخلاقيات البحث العلمى 2023/5/8 كلية الصيدلة - جامعة حورس مصر
- 11- ورشة عمل عن التخطيط الإستراتيجى - اليوم الرابع - بعنوان مراجعة صياغة وثيقة الخطة الإستراتيجية - ا.د/ عبد القادر مبروك الخبير الإستراتيجى 2023/5/18 جامعة حورس مصر
- 12- ورشة عمل عن التخطيط الإستراتيجى - اليوم الثالث - بعنوان تحليل الفجوات الإستراتيجية - ا.د/ عبد القادر مبروك الخبير الإستراتيجى 2023/5/13 جامعة حورس مصر
- 13- ورشة عمل عن التخطيط الإستراتيجى - - اليوم الثانى - بعنوان بناء مصفوفتى التحليل البيئى الداخلى والخارجى - ا.د/ عبد القادر مبروك الخبير الإستراتيجى 2023/5/11 جامعة حورس مصر
- 14- ورشة عمل عن التخطيط الإستراتيجى - اليوم الأول - بعنوان تحليل الوضع الراهن - ا.د/ عبد القادر مبروك الخبير الإستراتيجى 2023/5/6 جامعة حورس مصر
- 15- Advancing Characterization of Materials by Multimodal 4D-STEM Analytical Methods, Wiley Analytical Science, 26/4/2023
- 16- How I Learned to Stop Worrying and Love Flow Cytometry Analysis, Beckman Coulter, 21/3/2023
- 17- استراتيجيات التدريس والتعلم 2023/4/18 كلية الصيدلة - جامعة حورس مصر
- 18- ورشة عمل عن التقييم الذاتى بمؤسسات الدولة بعنوان التوعية بكتابة الدراسة الذاتية للمؤسسة - اليوم الرابع 2023/4/1 جامعة حورس مصر
- 19- ورشة عمل عن التقييم الذاتى بمؤسسات الدولة بعنوان التوعية بكتابة الدراسة الذاتية للمؤسسة - اليوم الثالث 2023/3/18 جامعة حورس مصر
- 20- ورشة عمل عن التقييم الذاتى بمؤسسات الدولة بعنوان التوعية بكتابة الدراسة الذاتية للمؤسسة - اليوم الثانى 2023/3/13 جامعة حورس مصر
- 21- ورشة عمل عن التقييم الذاتى بمؤسسات الدولة بعنوان التوعية بكتابة الدراسة الذاتية للمؤسسة - اليوم الأول 2023/3/11 جامعة حورس مصر
- 22- Open access for Egypt – What you need to know in 2023 from how to publish your article and get funded to Nature newly introduced, Online by Springer Nature, EKB and STDF, 1/2/2023

- 23- Nuclear Magnetic Resonance (NMR): Advanced Level Workshop, NAWAH scientific Practical Workshop, 10-11/1/2023
- 24- HPLC column chemistry Workshop, NAWAH scientific Practical Workshop, 5/1/2023
- 25- Azure Virtual Machines, Online by Styava Community - Africa, 7/1/2023
- 26- Deploying NET API to Azure Web App Service using GitHub Actions, Online by Styava Community - Africa, 10/1/2023
- 27- Cloud Certification Azure 104, Online by Styava Community - Africa, 20/1/2023
- 28- Using Design-Expert software for analytical method development Practical Workshop, Faculty of Pharmacy - Mansoura University 3rd Mansoura International Conference, 28-29/8/2022
- 29- Course Specification according to NARS 2009, Faculty of Pharmacy - Horus University, 6/8/2022
- 30- Last training year in pharm D program, Faculty of Pharmacy - Horus University, 13/8/2022
- 31- Tyrosine kinase inhibitors and molecular modeling, Faculty of Pharmacy - Horus University, 16/8/2022
- 32- Competency based medical education, Faculty of Pharmacy - Horus University, 17/8/2022
- 33- Use of rubric in student assessment, Faculty of Pharmacy - Horus University, 22/8/2022
- 34- Plant tissue culture, Faculty of Pharmacy - Horus University, 24/8/2022
- 35- Course Specification according to NARS 2017, Faculty of Pharmacy - Horus University, 24/8/2022
- 36- Smart Nano-systems: An overview and promises for cancer treatment and diagnosis, Faculty of Pharmacy - Horus University, 1/9/2022
- 37- Novel spectroscopic techniques for DNA damage quantification, Faculty of Pharmacy - Horus University, 2/9/2022
- 38- Workshop about Plagiarism Check and the 14th Round of Promotions, Beni Suef University, 18/10/2022
- 39- ScienceDirect et Scopus: Les Nouveautés Scopus, Science directed, Mendeley, Researcher Academy on Campus - Elsevier, 6/7/2022
- 40- Systematic Reviews and Meta-analyses workshop - Nature research – Academies, 7/1/2022
- 41- Innovation in drug delivery and medicinal chemistry: Reaxys results Practical Workshop, Organized by Researcher Academy on Campus - Elsevier at Faculty of Pharmacy, Menoufia University (Practical Workshop) 22/11/2022
- 42- Artificial intelligence in healthcare, Faculty of Pharmacy Alexandria University, 27-28/11/2021
- 43- Use of JOVE database, , Faculty of Pharmacy - Horus University - Egypt, 15/3/2022
- 44- The package session entitled “Drug discovery from discoverer to patient”, , Faculty of Pharmacy - Horus University - Egypt, 5/7/2022
- 45- The use of technology in the blended teaching, , Faculty of Pharmacy - Horus University - Egypt, 4/1/2021.
- 46- References management using Endnote program, , Faculty of Pharmacy - Horus University - Egypt, 5/1/2021.
- 47- Complications of hypertension and the role of clinical pharmacist to manage these complications, , Faculty of

- Pharmacy - Horus University - Egypt, 12/1/2021.
- 48-** Academic writing, , Faculty of Pharmacy - Horus University - Egypt, 26/1/2021 - 27/1/2021.
- 49-** Lab Safety: Risk-Benefit Ration, , Faculty of Pharmacy - Horus University - Egypt, 27/1/20221
- 50-** Microsoft Office (Excel & PowerPoints Tips and Tricks), , Faculty of Pharmacy - Horus University - Egypt, 31/1/2021.
- 51-** Mass Spectrometry/Natural Product, , Faculty of Pharmacy - Horus University - Egypt, 31/1/2021
- 52-** Communication skills – Interview skills – C.V. Writing skills – Negotiation skills – Pharmacy visits rules and Selling skills – Mind map and speed reading. (Workshops By corporation with EIPICO Company Training center), , Faculty of Pharmacy - Horus University - Egypt, 30/1/2021 - 1/2/2021.
- 53-** Modeling by MOE (Online Workshop), , Faculty of Pharmacy - Horus University - Egypt, 4/2020.
- 54-** Measurement of Infection Control, , Faculty of Pharmacy - Horus University - Egypt, 12/2019.
- 55-** Scientific Writing, , Faculty of Pharmacy - Horus University - Egypt, 12/2019.
- 56-** Egyptian Knowledge Bank, , Faculty of Pharmacy - Horus University - Egypt, 12/2019
- 57-** Online Exam Preparation by Microsoft Form, Faculty of Pharmacy - Horus University - Egypt, 2019
- 58-** Towards a variant low-carbon bio-based economy in Egypt: the use of synthetic biology and advanced industrial biotechnology for an accelerated transition. Held on 4 Mars. **2017**. Faculty of Pharmacy, Mansoura University, Egypt *in cooperation with University of Aberdeen, Scotland*.
- 59-** NMR in Drug Design. Held on 9-11 April **2017**. Faculty of pharmacy, Mansoura university.
- 60-** Computational Drug Design. Held on 9-11 April **2017**. Faculty of pharmacy, Mansoura university.
- 61-** Capillary Electrophoresis for Pharmaceutical Analysis. Held on 9-11 April **2017**. Faculty of pharmacy, Mansoura university.
- 62-** Vision, mission and aims. Held on 17 April **2016**. Faculty of Pharmacy, Mansoura University.
- 63-** Specification of postgraduate courses and programs in credit hours system. Held on 15 May **2016**. Faculty of Pharmacy, Mansoura University.
- 64-** How to use Endnote program for references. Held on August **2016**. Faculty of pharmacy, Mansoura university.
- 65-** How to use Moodle workshop. Held on **2015**. Faculty of pharmacy, Mansoura university.
- 66-** Capillary Electrophoresis Workshop. Held on May **2015**. Faculty of pharmacy, Mansoura University
- 67-** 1st induction forum for activities and programs of creativity and innovation academy of scientific research in Mansoura University. Held on 5 November **2014**. Mansoura University.
- 68-** Computer-Based Drug Design Workshop. Held on 7-8 February **2010**. Faculty of pharmacy, Mansoura University.

69- NMR for Non-Spectroscopists. Held on 27-28 August **2008**. Faculty of pharmacy, Mansoura university.

70- Molecular Modeling and Dynamic Simulation. Held on 9 September **2008**. Faculty of pharmacy, Mansoura university.

Training courses at Mansoura University Development Center - (FLDP Programs)

1. Cyber security, 2-3/5/2023
2. Sustainable Development goals and Egypt's vision 2030, 17-18/1/2023
3. Digital Transformation, 11-12/9/2022
4. Quality Performance in Scientific Departments, 6 - 7/2/2021
5. Creativity, Innovation and Entrepreneurship Skills, 17- 18/10/2020
6. Effective Thinking Skills, 05-07 / 2 / 2006
7. Effective Communication Skills, 02-04 / 5 / 2006
8. Effective Presentation Skills, 03-05 / 5 / 2009
9. Scientific Research Ethics, 25-27 / 10 / 2009
10. Time Management, 01-03 / 2 / 2009
11. Credit Hours System, 20-22 / 12 / 2009
12. Scientific Conferences Organization, 25-27 / 9 / 2011
13. Scientific Publication, 03-04 /2 / 2013
14. Local and Global Competitive Research Projects, 01-02 / 9 / 2013
15. Quality Standards in Teaching process, 20-21 / 10 / 2013
16. Financial and Legal Aspect in the University,
17. University Administration, 30 / 11 - 1 / 12 / 2014
18. Management of the Research Team 26-27 / 4 / 2015
19. Preparation and Design of Electronic Tests 4-5 / 9 / 2016
20. Statistical Analysis Skills 24-25 / 7 / 2017
21. Scientific Research Engines and Classification Methods of Universities 30-31 / 7 / 2017
22. Exam Systems and Evaluation of Students 6-7 / 8 / 2017
23. **University Teacher Preparation Program, 40 hr, 2013**
24. **TOEFL, 13/7/2013**
25. **ICDL V.4.0, 1-21/1/2013**

Scientific Experiences

One of team working on nouvelle allergy vaccines derived from natural antigen with high curing percent produced as a patent for Mansoura University and manufactured by VACSERA.

Other Relevant Experience

- ✚ One of team working on nouvelle allergy vaccines derived from natural antigen with high curing percent produced as a patent for Mansoura University and manufactured by VACSERA.
- ✚ **Supervision of 3 Master thesis and 2 Ph.D. thesis.**
- ✚ Sharing in workshops entitled “Towards a variant low-carbon bio-based economy in Egypt: the use of synthetic biology and advanced industrial biotechnology for an accelerated transition”. Held on 4 Mars. 2017. Faculty of Pharmacy, Mansoura University, Egypt in cooperation with University of Aberdeen, Scotland.
- ✚ Sharing in conference entitled “1st national conference "Industry & University"- The role of the university in economic development” Mansoura University, Egypt, 7-9 March 2015, under patronage of Mr. President Abdel Fattah El-Sisi and participation of the prime minister and ministers of higher education, scientific research, military production and industry.

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Prizes

The Best Master Thesis in Chemistry at Mansoura University, 2011

References:

1. Prof. Eman Rady El-Bendary
2. Prof. Manal Mohamed Eid
3. Prof. Mohammed Ahmed Mostafa.
4. Prof. Dalia Rashad El-Wasseef
5. Prof. Dina Tawfik El-Sherbiny