

CURRICULUM VITAE
Mohammed M. Mehanna, PhD



Personal information:

- **Name:** Mohammed Maher Mohammed Mehanna
- **Citizenship:** Egyptian
- **Address:** Alexandria, Egypt.
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- **E-mail address:**(Professional email) Mohammed.mehana@lau.edu.lb Mohamed.mehanna@alexu.edu.eg
(Personal email) Dr_mehanna@yahoo.com
- **Scopus author ID:** <https://www.scopus.com/authid/detail.uri?authorId=26646760200>

Academic record:

- **July 2018 - November 2019:** Fellowship in Responsible Conduct of Research (UC San Diego, USA & JUST, Jordan)
- **2011:** Ph.D. Degree in Pharmaceutical sciences.
Thesis title: “Study of Some Pharmaceutical Carriers as Vehicle for Drug Delivery”
- **2009:** Qualified courses for Ph.D. degree fulfillment (96 %)
- **2008:** Master’s degree in Pharmaceutical sciences.
Thesis title: “Pharmaceutical Study of Liposomes as a Vehicle for Drug Delivery”
- **2004:** Special courses for master’s degree fulfillment (91 %)
- **2001:** Bachelor’s degree in Pharmaceutical Sciences. Honor Distinction.

Work experience:

- **August 2022-September 2023:** Chairman of Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt
- **August 2022-onward:** Professor at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt
- **September 2017-August 2022:** Associate Professor at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt
- **September 2014-August 2022:** Associate Professor at Pharmaceutical technology Department, Faculty of Pharmacy, Beirut Arab University, Lebanon
- **July 2014-September 2014:** Lecturer at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt
- **January 2014-July 2014:** Assistant Professor and Head of Industrial Pharmacy Department, Faculty of Pharmaceutical Sciences, Mutah University, Hashemite Kingdom of Jordan.
- **February 2011-January 2014:** Lecturer at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt.
- **August 2008-February 2012:** Lecturer assistant at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt.
- **April 2002-August 2008:** Teaching assistant at Industrial Pharmacy Department, Faculty of Pharmacy, Alexandria University, Egypt.
- **2002-2009:** Community Pharmacist, Responsible for dispensing, OTC prescribing pharmaceutical compounding of different drug products.

Associated Professional Experience:

- **2002-2008:** Teaching assistant Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University
Responsible for classroom management of Industrial Pharmacy sessions for 4th year undergraduate students (Bachelor degree), including preparation of theoretical background, conducting lectures during these sessions and evaluation of student's performance.
- **2002-2005** Teaching assistant at the Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University
Responsible for classroom management of Pharmaceutics sessions for 4th year undergraduate students (Bachelor degree), including preparation of theoretical background, conducting lectures during these sessions and evaluation of student's performance.
- **2003-present** Practical experience in working with various research equipment among them; HPLC, Freeze Dryer, Differential Scanning Calorimeter, USP Dissolution Tester, Laser Particle Size Analyzer, FT-IR Spectrophotometer, Laminar Flow Stability Cabinet, Cooling Centrifuges, Spectrophotometer and Zeta sizer.

Language qualifications:

- **Arabic:** Mother Language
- **English:** Fluent
- **French:** beginner

4-Teaching Experience:

Undergraduate Level

Responsible for teaching the following courses:

	Course Title	Department	Faculty	University	Level
2011-2012	Sterile pharmaceutical products	Pharmaceutics	Faculty of Pharmacy and Drug Manufacturing	Pharos University	4 th year
	Pharmaceutical Technology				4 th year
	Unit Operation				5 th year
	Orientation to Pharmacy				1 st year
	Industrial Pharmacy	Industrial Pharmacy	Faculty of Pharmacy	Alexandria University	4 th year
2012-2013	Industrial Pharmacy	Pharmaceutics	Faculty of Pharmacy	Damanhour University	4 th year
	Industrial Pharmacy	Industrial Pharmacy	Faculty of Pharmacy	Alexandria University	4 th year
	Unit Operation	Pharmaceutics	Faculty of Pharmacy and Drug Manufacturing	Pharos University	5 th year
	Orientation to Pharmacy				1 st year
	Physical Pharmacy				2 nd year
	Pharmaceutical Technology				
2013-2014	Industrial Pharmacy	Industrial Pharmacy	Faculty of Pharmacy	Alexandria University	4 th year
	Industrial Pharmacy	Pharmaceutics	Faculty of Pharmacy	Damanhour University	4 th year
	Physical Pharmacy	Pharmaceutics	Faculty of Pharmacy	Pharos University	2 nd year
	Physicochemical principles of pharmacy	Pharmaceutics and Industrial Pharmacy	Faculty of Pharm. Sciences	Mutah University	1 st year
2014-2021	Introduction to pharmaceutics	Pharmaceutical Technology	Faculty of Pharmacy	Beirut Arab University	2 nd level
	Industrial Pharmacy				4 th level
	Biopharmaceutics and Pharmacokinetics				4 th level
	Physical Pharmacy				2 nd level
	Pharmacy Orientation				1 st level
	Pharmaceutical Dosage forms I				2 nd level

	Biopharmaceutics				4 th level
	Pharmacy Orientation				1 st level
	Pharmacy Practice II				2 nd level
	Physical Pharmacy and Product stability				2 nd level
	Pharmaceutical Manufacturing				4 th level
2022-2023	Pharmaceutical technology	Industrial Pharmacy	Faculty of Pharmacy	Alexandria university	3 th level
	Industrial Pharmacy	Industrial Pharmacy	Faculty of Pharmacy	Alexandria university	4 th level
	Industrial Pharmacy	Industrial Pharmacy	Faculty of Pharmacy	Alamein International University	3 th level
	Clinical Pharmacokinetics	Pharmacy Practice	Faculty of Pharmacy	Alexandria university	4 th level
	Clinical Pharmacokinetics	Pharmacy Practice	Faculty of Pharmacy	Arab Academy for Science, Technology and Marine Transport	4 th level
	Pharmaceutical Manufacturing	Pharmaceutical Technology	Faculty of Pharmacy	Beirut Arab University	4 th level

Graduate Studies

Responsible for teaching the following courses;

	Course Title	Degree	University
2011-2013	Unit operation	Diploma in Industrial Pharmacy	Alexandria University Egypt
	Pharmaceutical Technology		
	Manufacturing Technology		
	Quality control and plant layout		
	Application of unit operation		
	Unit operation	Master in Pharmaceutical Sciences	Alexandria University Egypt
Pharmaceutical Technology			
2014-2021	Molecular Pharmaceutics	Ph.D. Pharmaceutical technology	Beirut Arab University Lebanon
	Polymers in drug delivery		
	Advanced Biopharmaceutics and Pharmacokinetics		
	Modern aspects in Industrial Pharmacy		
	Research project		
	Selected topics in industrial pharmacy		
	Informatics applications in pharmaceutics		
	Modern Physical Chemistry for pharmacy	Master in Pharmaceutical Sciences	
	Advanced Physical Pharmacy		
	Research methodology		
	Selected topics in pharmaceutics		
	Advanced drug delivery systems		
	Advanced Biopharmaceutics and Pharmacokinetics		
	Clinical Pharmacokinetics	Doctor of pharmacy degree	
	Advanced Clinical Pharmacokinetics		

2022-2023	Advanced Pharmaceutical Technology	Master in Pharmaceutical Sciences	Alexandria University Egypt
	Advanced Clinical Pharmacokinetics	Doctor of pharmacy degree	Beirut Arab University Lebanon
	Seminars in Drug Delivery	Master in Pharmaceutical Sciences	Alexandria University Egypt

Awards:

1. The best Ph.D. thesis in basic and multidisciplinary sciences from Alexandria University in 2012
2. Reward of Alexandria University for publication in top 20 % of pharmacy and pharmacology journal rank (JCR 2019): International journal of Pharmaceutics, 2021;601, 120559
3. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (JCR 2019): Pharmaceutics, 2021; 13(3), 355
4. Reward of Alexandria University for publication in top 10% of pharmacy and pharmacology journal rank (JCR 2019): International Journal of Nanomedicine, 2020; 15: 10099–10112
5. Reward of Alexandria University for publication in top 10% of pharmacy and pharmacology journal rank (JCR 2019): International Journal of Nanomedicine, 2020;15, 9557-9570
6. Reward of Alexandria University for publication in lower 50% of pharmacy and pharmacology journal rank (JCR 2019): Drug Development and Industrial Pharmacy, 2020;46 (11):1787–1799
7. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (JCR 2019): International Journal of Pharmaceutics 2020;587,119647
8. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (JCR 2019): International Journal of Pharmaceutics 2020;587, 119672
9. Reward of Alexandria University for publication in top 10% of pharmacy and pharmacology journal rank (JCR 2019): International Journal of Nanomedicine, 2019;14: 9089—9112
10. Reward of Alexandria University for publication in lower 50% of pharmacy and pharmacology journal rank (JCR 2019): Drug Development and Industrial Pharmacy, 2019; 45(3): 485-497
11. Reward of Alexandria University for publication in top 50% of pharmacy and pharmacology journal rank (JCR 2019): Journal of Toxicology and Applied Pharmacology, 2018; 352: 170-175
12. Reward of Alexandria University for publication in top 50% of pharmacy and pharmacology journal rank (JCR 2019): Journal of Inflammation Research, 2018; 11:143-153
13. Reward of Alexandria University for publication in top 5% of pharmacy and pharmacology journal rank (red jasper, 2015): Journal of Controlled Release, 2014;187:183–197
14. Reward of Alexandria University for publication in top 10% of pharmacy and pharmacology journal rank (red jasper, 2015): Expert Opinion on Drug Delivery, 2016;13(8): 1049-1064
15. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (red jasper, 2015): International Journal of Nanomedicine, 2016;11: 2209—2222
16. Reward of Alexandria University for publication in top 25% of pharmacy and pharmacology journal rank (red jasper, 2015): International Journal of Pharmaceutics, 2016; 501: 167–179
17. Reward of Alexandria University for publication in top 25% of pharmacy and pharmacology journal rank (red jasper, 2015): International Journal of Pharmaceutics, 2015; 496:766–779
18. Reward of Alexandria University for publication in lower 50% of pharmacy and pharmacology journal rank (red jasper, 2015): Drug Development and Industrial pharmacy, 2016; 42(3): 497–505
19. Reward of Alexandria University for publication in lower 50% of pharmacy and pharmacology journal rank (red jasper, 2015): Drug Development and Industrial pharmacy, 2015; 41(5): 714–721.
20. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (red jasper, 2010): International Journal of Pharmaceutics, 2010; 402: 78–88

21. Reward of Alexandria University for publication in top 20% of pharmacy and pharmacology journal rank (red jasper, 2011): Journal of Pharmaceutical Science, 2011; 100 (5): 1805-1818
22. Reward of Alexandria University for publication in top 50% of pharmacy and pharmacology journal rank (red jasper, 2010): Drug Development and Industrial pharmacy, 2010; 36(1): 108–118
23. Reward of Alexandria University for publication in top 50% of pharmacy and pharmacology journal rank (red jasper, 2010): Drug Development and Industrial pharmacy, 2009; 35(5): 583-593
24. Reward of Alexandria University for publication in lower 50% of Analytical chemistry journal rank (red jasper, 2010): Journal of AOAC International, 2012;95(4):1064-1068
25. Reward of Alexandria University for publication in lower 50% of pharmacy and pharmacology journal rank (red jasper, 2010): Pharm. Ind., 2012; 74,681-689

Research interest:

I'm interested in pharmaceutical nanotechnology especially anticancer theranostics and non-invasive drug delivery systems with a particular emphasis on tailoring nano-carriers for various drugs through different routes of administration. I'm expert in elaboration and appraisal procedures and techniques of nano- and micro-sized pharmaceutical vehicles among them; nanoliposomes, lipid nanoparticles, nanocrystals, nanocapsules, microporous silica and micelles. Mathematical optimization and assessment of delivery systems covers various routes of administration *viz.* oral, transdermal, pulmonary and ocular is considered an area of my specialty.

Workshops and seminars:

1. Gene therapy: a futuristic role in cancer management

Workshop conducted online for polydisciplinary faculty of Taroudant, April 2022, Taroudant, Morocco

2. Submission process of a research protocol to an ethic committee

Workshop conducted online, **3rd international scientific conference for research and ethics**, November 2021, Taroudant, Morocco

3. How to obtain valid consent for research?

Workshop conducted online, **3rd international scientific conference for research and ethics** November 2021, Taroudant, Morocco

4. Case- studies and Team work

Workshop conducted online, **3rd international scientific conference for research and ethics**, November 2021, Taroudant, Morocco

5. Les conflits d'intérêt

Workshop conducted online, **3rd international scientific conference for research and ethics** November 2021, Taroudant, Morocco

6. How to critically read a meta-analysis of clinical trials in neuro-oncology

Workshop conducted online, **3rd international scientific conference for research and ethics** November 2021, Taroudant, Morocco

7. Team Science: the power of us

Workshop conducted online, **3rd international scientific conference for research and ethics** November 2021, Taroudant, Morocco

8. Design of clinical trials and ethical concerns in neurosciences

Workshop conducted online, **3rd international scientific conference for research and ethics** November 2021, Taroudant, Morocco

9. Nanoparticles toxicity: the unlash side of the story

Workshop conducted online for polydisciplinary faculty of Taroudant, June 2021, Taroudant, Morocco

10. Les Journaux Prédateurs: Savoir Vérifier pour ne pas Être une Proie Facile!

Workshop conducted online, Moroccan association for research and ethics. March 2021, Taroudant, Morocco

11. Cancers du Sein et du Col de l'Utérus : Actualités Médicales et Scientifiques

Workshop conducted online, Moroccan association for research and ethics. Feb 2021, Taroudant, Morocco

12. Sampling Techniques and Ethical Aspects Axis: Biology, Metrology and Sociology

Workshop conducted online, Moroccan association for research and ethics. Dec 2020, Taroudant, Morocco

13. Pharmaceutical Nanostructures: From Research Labs to Clinics Session conducted at **26th Lebanese Order of pharmacist congress**, November 2018, Beirut, Lebanon

14. Smart Polymers as Avenue for Drug Delivery: Opportunities and Challenges

Session conducted at the Beirut Arab University, Beirut, Lebanon. Materials Technology workshop Mar 2017.

15. Mystery of University Ranking

Session conducted at the Beirut Arab University, Beirut, Lebanon. **University Ranking** workshop, Feb 2016.

16. Into the mystery of pharmaceutical water

Session conducted at the Faculty of Medicine, Alexandria University, Egypt. **Safe Water In Health Institutes** workshop, April 2013.

17. Nanotechnology: Future perspectives

Session conducted at the Faculty of Pharmacy, Pharos University, Egypt. **EPSF 16th Annual National Conference**, November 2012.

18. Oral Insulin: A Pharmaceutical challenge

Seminar conducted at the Faculty of Pharmacy, Alexandria University, February 2009.

Scientific activities:

- **Consulting editor** at International Journal of Nanomedicine
- **Editorial board Member of:**
 - a. Journal of Bioavailability and Bioequivalence
 - b. International Journal of Research and Ethics
- **Member in** Moroccan Research Ethics Committee
- **Member of examination committee for:**
 - a. **Ph.D. degree:**
 - Candidate Jana Elwattar, entitled Multifaced applications of nanostructures in modern drug delivery (Beirut Arab University, Lebanon)
 - Candidate Souraya domiati, entitled, Investigation of the pharmacological effects of some selected agents on pain and inflammation processes in experimental animal models (Beirut Arab University, Lebanon)
 - b. **Master degree:**
 - Pharmacist Kawthar Khalil Abl, entitled; Formulation and characterization of nanovehicle-based drug delivery systems (Beirut Arab University, Lebanon)
 - Pharmacist Amina Tarek Mneimneh, entitled; Design and development of biocompatible lipid-bases nanocarriers (Beirut Arab University, Lebanon)
 - Pharmacist Mohamad Ibrahim Shabarek, entitled; Oral cavity as a port for drug delivery (Beirut Arab University, Lebanon)
 - Pharmacist Jana Elwattar, entitled Enhancement of poorly soluble drug Class II (Beirut Arab University, Lebanon)
 - c. **Comprehensive exam for Ph.D. candidates:**
 - Kawthar Khalil Abl (Beirut Arab University, Lebanon)
 - Amina Tarek Mneimneh (Beirut Arab University, Lebanon)

- Jana Elwattar (Beirut Arab University, Lebanon)
- Darine Hamdan (Beirut Arab University, Lebanon)
- Bassam Hnaian (Beirut Arab University, Lebanon)

d. Pharm D thesis

- Pharmacist Bouthaina Al Halabi; entitled Assessment of Knowledge, Attitude, and Practice of Lebanese community pharmacists towards Acne Vulgaris management in Beirut, Lebanon (2020)
 - Pharmacist Mirna Ghezzawi; entitled Assessment of Awareness, Knowledge and Attitude of Community Pharmacists towards Autism in Beirut, Lebanon (2019)
 - Pharmacist Rasha Orabi; entitled; Assessment of the community pharmacists knowledge and attitude toward generic drugs (2018)
 - Pharmacist Lamis mekawi; entitled; Patient acceptance of alternative generic drug prescribing in Beirut, Lebanon (2018)
 - Pharmacist Ahmad Tabbesh; entitled; Knowledge, Attitude, and Practice regarding Performance-Enhancing Drug Use among Students in Beirut Arab University (2018)
 - Pharmacist Rouhayfa Mahmasani; entitled; Assessment of Knowledge Level of a Sample of Lebanese Population about Vitamin D in Beirut Area(2018)
 - Pharmacist Lamis Younis; entitled; Trends of Patient counselling by Community pharmacists in Beirut (2017)
 - Pharmacist Rayane Daher; entitled; Knowledge, attitude and practice of community pharmacists concerning medications use during lactation (2017)
 - Pharmacist Rawaa Charbaji; entitled; Assessment of the knowledge and attitude of pharmacists toward oral contraceptives (2017)
 - Pharmacist; Jawad Malaeb entitled; Comparative Biowaver Study of Ciprofloxacin Innovator (Ciprobay) with Other Generics of Ciprofloxacin in Lebanese Market: Microbiological and Analytical Approach (2016)
 - Pharmacist Rana Jradi; entitled; Assessment of the Lebanese Community Pharmacist's knowledge and attitude toward drugdrug interaction (2016)
 - Pharmacist Farah Baayoun; entitled; Knowledge, attitude & practice of community pharmacists towards medications use during pregnancy (2016)
 - Pharmacist Asma Dardari; entitled; Assessment of knowledge 12-23 level and practice of management of acne vulgaris among community pharmacists in Tripoli, Lebanon (2016).
 - Pharmacist Hiba Baytamouni; entitled; Assessment of Knowledge and Techniques for Using Inhalation Devices in a Sample of Lebanese Patients: A Community Based Study (2015)
 - Pharmacist Rawan Eido; entitled; Impact of Social Media on Pharmacy Profession: A survey study on pharmacists in the region of Beirut (2015)
- **Peer reviewer** in several highly ranked international journals in pharmaceutics and pharmaceutical technology, among them:
 - Journal of Controlled Release
 - International Journal of Pharmaceutics.
 - International Journal of Nanomedicine.
 - Journal of Pharmaceutical Science.
 - Journal of Molecular Pharmaceutics.
 - Drug Design, Development and Therapy
 - Drug Development and Industrial Pharmacy.
 - Drug Delivery

- Journal AOAC International
- Pharmaceutical Research

- **Conferences**

- 2nd International Conference and Exhibition on Pharmaceutical and Healthcare Sciences. 23-24 November 2022, Alexandria, Egypt
- 3rd International Scientific Conference for Research and Ethics, November 2021, Taroudant, Morocco
- 4th International Conference of Research Ethics, November 2019, Irbid, Jordan.
- Ethics of Research involving Human Subjects and Biosamples, February 2019, USEK, Kaslik, Lebanon.
- Towards best Pharmacy practice, Enhancing Pharmacy Education, May 2018, Beirut, Lebanon
- 3rd Forum on Advancing Pharmacy Education in the Middle East and the Gulf Region, May 2018, Beirut, Lebanon
- 3rd International Conference of Research Ethics, July 2018, Irbid, Jordan.
- 1st Student Innovation and Research Conference for Arab Universities and Schools SIRCAUS, March 2018, Beirut, Lebanon.
- 2nd American University of Beirut Biomedical Summer School, February 2016, Beirut, Lebanon.
- 22nd International Scientific Conference of LAAS, April 2016, Beirut, Lebanon.
- 23rd Lebanese Order of pharmacist conference, October 2015, Beirut, Lebanon.
- 27th Scientific Conference for Arab Pharmacists, Jun. 2015, Beirut, Lebanon.
- 47th Middle East Medical Assembly, May 2015, American University in Beirut, Beirut, Lebanon.
- International Conference of Nanotechnology in Medicine, 2012, London, England.
- First Cairo International Pharmaceutical Conference, 2007, Cairo, Egypt.

Supervising thesis:

A. Ph.D. degree:

- Nanoparticles systems as potential drug delivery candidate to circumvent biological barriers
- Development and assessment of novel nanopharmaceutical formulations
- Multifaceted applications of nanostructures in modern drug delivery
- Formulation, characterization and optimization of some vesicular carriers (October 2016, Beirut Arab University, Lebanon)
- Investigation of the pharmacological effects of some selected agents on pain and inflammation processes in experimental animal models (November 2016, Beirut Arab University, Lebanon)

B. Master degree:

- Design development and characterization of lipid nanoparticles (August 2021, Beirut Arab University, Lebanon)
- Formulation and characterization of nanovehicle-based drug delivery system (August 2019, Beirut Arab University, Lebanon)
- Design and development of biocompatible lipid-bases nanocarriers (June 2018-Sep.2019, Beirut Arab University, Lebanon)
- Enhancement of poorly soluble drug class II (Sep. 2014-Sep. 2015, Beirut Arab University, Lebanon)
- Oral cavity as a port for drug delivery: formulation and evaluation aspects (Jun 2015-October 2018, Beirut Arab University, Lebanon)
- Recent approaches to ocular delivery (2011-Jan. 2015, Alexandria University, Egypt)

- Potential applications of nanotechnology in non-invasive drug delivery (2012-April 2016, Alexandria University, Egypt)
- Design and assessment of some modified-released drug delivery system (2012-December 2016, Alexandria University, Egypt)

C. Pharm-D degree:

- Assessment of Knowledge, Attitude, and Practice of Lebanese community pharmacists towards Acne Vulgaris management in Beirut, Lebanon (2020)
- Assessment of NSAIDs use among Lebanese population (2019)
- Assessment of Awareness, Knowledge and Attitude of Community Pharmacists towards Autism in Beirut, Lebanon (2019)
- Knowledge, Attitude, and Practice regarding Performance Enhancing Drug Use among Students in Beirut Arab University (2018)
- Assessment of the community pharmacists knowledge and attitude toward generic drugs (March 2017, Beirut Arab University, Lebanon)
- Patient acceptance of alternative generic drug prescribing in Beirut, Lebanon (March 2017, Beirut Arab University, Lebanon)
- Knowledge, attitude and practice of community pharmacists concerning medications use during lactation (March 2017, Beirut Arab University, Lebanon)
- Assessment of the knowledge and attitude of pharmacists toward oral contraceptives (March 2017, Beirut Arab University, Lebanon)
- Drug availability and shortage in Lebanese market (March 2017, Beirut Arab University, Lebanon)
- Assessment of the community pharmacists knowledge and attitude toward generic drugs (March 2017, Beirut Arab University, Lebanon)
- Patient acceptance of alternative generic drug prescribing in Beirut, Lebanon (March 2017, Beirut Arab University, Lebanon)
- Knowledge, attitude & practice of community pharmacists towards medications use during pregnancy (2015-November 2016, Beirut Arab University, Lebanon)
- Assessment of knowledge level and practice of management of acne vulgaris among community pharmacists in Tripoli, Lebanon (2015-December 2016, Beirut Arab University, Lebanon)

Community and students services

- August 2022-onward: Member of the Faculty committee of community service and environment development, Faculty of Pharmacy, Alexandria University
- September 2020-2022: Faculty academic advisor for undergraduate studies, Faculty of Pharmacy, Beirut Arab University, Lebanon.
- Sep. 2015-2022: Member of scientific research committee, Beirut Arab University, Lebanon.
- Sep. 2014-2022: Responsible for development and updating of Pharmacy practice experiential I training program, Faculty of Pharmacy, Beirut Arab University, Lebanon.
- Sep. 2014-2022: Head of library committee, Faculty of Pharmacy, Beirut Arab University, Lebanon.
- Sep. 2014-2022: Member of postgraduate studies and scientific research committee, Faculty of Pharmacy, Beirut Arab University, Lebanon.
- Sep. 2014-2022: Member of strategic planning committee, Faculty of Pharmacy, Beirut Arab University, Lebanon.

- Sep. 2014-2022: Academic advisor for undergraduate students from different levels, Faculty of Pharmacy, Beirut Arab University, Lebanon.
- February 2014-Sep. 2014: Responsible for implement of curriculum and infra-educational structure for faculty of Pharmaceutical Sciences, Mutah University, Jordan
- March 2012-2014: Principal advisor for the social sector of Faculty of Pharmacy, Alexandria University students union
- Sep 2010-2014: Member of the administration board of the Faculty of Pharmacy, Alexandria University Alumni
- Member of the Faculty committee of community service and environment development, Faculty of Pharmacy, Alexandria University, 2012-2014

Activities related to Quality Assurance:

- Member of the Faculty Quality Assurance Unit, Faculty of Pharmacy, Beirut Arab University, 2014-2021
- Member of the Faculty Quality Assurance Unit, Faculty of Pharmacy, Beirut Arab University, responsible for preparation of Canadian pharmacy program accreditation (CPPA) visit, 2014.
- Member of the Faculty Quality Assurance Unit (postgraduate studies), Faculty of Pharmacy, Alexandria University, 2008-2014
- Member of the Faculty committee responsible for effectuation of Postgraduates Clinical Pharmacy degrees, Faculty of Pharmacy, Alexandria University, 2012-2014
- Member of the Faculty Ethical board, Faculty of Pharmacy, Alexandria University, 2011-2014
- Member of the Faculty committee of regulations, curriculum, and programs, Faculty of Pharmacy, Alexandria University, 2009-2014

Training and development courses:

- **Technical Writing**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, March 14-15, 2022.
- **Research Ethics and Plagiarism**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, February 12-13, 2022.
- **University Laws and Regulations**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, February 18, 2022.
- **E-Exams**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, June 23-24, 2021.
- **Executive Leadership Development**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, April 18-19, 2021.
- **Leadership and Strategic Thinking**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, April 17-18, 2021.
- **Technology management and innovation protection workshop**, 19-20 October 2018, Beirut, Lebanon
- **Designing and Developing the Digital Content**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 29-30, 2017.
- **Design of Experiments and Statistical Analysis-SPSS**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 24-27, 2017.
- **International Publication of Research**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 12-13, 2017.
- **Research Team Management**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, August 6-7, 2014.

- **Competitive Research Projects**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, August 10-12, 2014.
- **Safe Water for Health Institute**, Faculty of Medicine, Alexandria University, April 2013
- **Pharmacovigilance Workshop**, Egyptian Pharmacovigilance Center, Alexandria, Egypt, May 2013
- **Research Ethics**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, June 19-21, 2010.
- **International Publication of Scientific Research**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, June 22-24, 2010.
- **University Management**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 13-15, 2010.
- **Exams and Student Evaluation systems**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 20-22, 2010.
- **Scientific Proposal Writing Workshop**, Project Management Unit, Alexandria University, Alexandria, Egypt, Oct. 21, 2009.
- **Quality Standards in Teaching**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, January 19-21, 2008.
- **Legal and Financial Aspects in University Environment**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, July 31- August 2, 2008.
- **Scientific Research Methodology**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, November 10-12, 2007.
- **Time and Conference management**, Faculty and Leadership Development center (FLDC), Alexandria, Egypt, November 13-15, 2007.
- **Communication Skills**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, June 13-15, 2006.
- **Thinking Skills**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, June 20-22, 2006.
- **Effective Teaching**, Faculty and Leadership Development Center (FLDC), Alexandria, Egypt, April 9-14, 2005.

Peer reviewed journal publications:

1. Amina T Mneimneh, **Mohammed M Mehanna**, "Chondroitin Sulphate: an emerging therapeutic multidimensional proteoglycan in colon cancer" **International Journal of Biological Macromolecules**, 2024, 254, 127672
2. Kawthar K. Abla, **Mohammed M. Mehanna** "Lipid-based nanocarriers challenging the ocular biological barriers: Current paradigm and future perspectives" **Journal of Controlled Release**, 2023, 362, 70–96
3. Kawthar K. Abla, **Mohammed M. Mehanna** "The battle of lipid-based nanocarriers against blood-brain barrier: a critical review" **Journal of Drug Targeting**, 2023, 10.1080/1061186X.2023.2247583
4. Kawthar K. Abla, Soumaya M. Hijazi, **Mohammed M. Mehanna** "Augmented Efficiency of Azithromycin for MRSA Ocular Infections Management: Limonene-Based Nanostructured Lipid Carriers *In-situ* Approach" **Journal of Drug Delivery Science and Technology**, 2023, 87, 104764

5. Kawthar Abla, Souraya Domiati, Rania El Majzoub, **Mohammed M Mehanna** “Propranolol Loaded Limonene-based Microemulsion Thermo-responsive Mucoadhesive Nasal Nanogel: Design, In-vitro Assessment, Ex-vivo Permeation, and Brain Biodistribution” **Gels**, 2023, 9(6), 491. <https://doi.org/10.3390/gels9060491>
6. Kawthar K Abla, Amina T Mneimneh, Ahmed N Allam, **Mohammed M Mehanna**, “Application of Box-Behnken Design in the Preparation, Optimization, and In-Vivo Pharmacokinetic Evaluation of Oral Tadalafil-Loaded Niosomal Film”, **Pharmaceutics**, 2023; 15, 173
7. Kawthar Khalil Abla, **Mohammed M Mehanna** “Freeze-drying: A Flourishing Strategy to Fabricate Stable Pharmaceutical and Biological Products” **International journal of Pharmaceutics**, 2022; 628, 122233
8. **Mohammed M Mehanna**, Kawthar Khalil Abla “Recent Advances in Freeze-Drying: Variables, Cycle Optimization, and Innovative Techniques” **Pharmaceutical Development and Technology**, 2022, 27 (8), 904-923
9. Dana A. Ali, **Mohammed M. Mehanna** “Role of lignin-based nanoparticles in anticancer drug delivery and bioimaging: An up-to-date review” **International Journal of Biological Macromolecules**, 2022;221, 934-953
10. **Mohammed M Mehanna**, Kawthar Khalil Abla, Souraya Domiati, Hoda Elmaradny “Superiority of Microemulsion-based Hydrogel for Non-Steroidal Anti-Inflammatory Drug Transdermal Delivery: A Comparative Safety and Anti-nociceptive Efficacy Study” **International journal of Pharmaceutics**, 2022; 622, 121830
11. **Mohammed M Mehanna**, Kawthar Khalil Abla “siRNA Nanohybrid Systems: False Hope or Feasible Answer in Cancer Management” **Therapeutic Delivery**, 2022;13(2), 109-133
12. Amina T Mneimneh, **Mohammed M Mehanna** “Collagen-based scaffolds: An auspicious tool to support repair, recovery, and regeneration post spinal cord injury” **International journal of Pharmaceutics**, 2021;601, 120559
13. Jana K Alwattar, Amina T Mneimneh, Kawthar K Abla, **Mohammed M Mehanna**, Ahmed N Allam “Smart Stimuli-Responsive Liposomal Nanohybrid Systems: A Critical Review of Theranostic Behavior in Cancer”, **Pharmaceutics**, 2021; 13(3), 355
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2. **Mohammed M. Mehanna** "Research Ethics Committees in Lebanon: Current Status and Challenges" Oral presentation, 4th **International Conference of Research Ethics**, Irbid, **Jordan**, November 2019
3. Ahmad bader, **Mohammed M. Mehanna** 'Biowaivers: An Economical feasible methodology for generics' Annual Pharmaceutical Pricing and Marketing Congress and International Conference on Nanoscience and technology, Dubai, **United Arab Emirates**, September 2018
4. **Mohammed M. Mehanna**, Aya Elsidei, Nour Nobanin. "pH-modulated microparticles: a promising strategy to ameliorate oral bioavailability of a poorly soluble drug" poster, 1st **Student Innovation and Research Conference for Arab Universities and Schools SIRCAUS**, Beirut, **Lebanon**, March 2018
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