

Aliaa Nabil ELMeshad

Professor, Pharmaceutics Department, Faculty of Pharmacy & Drug Technology, The Egyptian Chinese University

Professor, Pharmaceutics and Industrial Pharmacy Department, Faculty of Pharmacy, Cairo University



Emails: anabil@ecu.edu.eg ; aliaa.elmeshad@pharma.cu.edu.eg

Website: <https://scholar.google.com/citations?hl=en&user=GF0pnncAAAAJ> ,
<https://sites.google.com/a/pharma.cu.edu.eg/aliaa-elmeshad/?pli=1>

Summary

Professor of Pharmaceutics and Industrial Pharmacy in Faculty of Pharmacy, Cairo University. PhD holder from Faculty of Pharmacy, Cairo University since 2005, with over 40 articles published in international multidisciplinary journals over +25 years, supervises/(d) +30 Master and PhD students from Egypt and other Arab countries as Sudan, Yemen, and Iraq

With special focus on developing local pharmaceutical industry by collaborating with pharmaceutical companies in addressing manufacturing challenges and implementing GMP, being a member of “**registration of medical devices committee**”, Egyptian Drug Authority (EDA), Ministry of Health of Egypt (MOHE), as well as leading training programs to pharmacists in collaboration with **HOLDI PHARMA** and **Egyptian Pharmaceutical Syndicate** focusing on Lean manufacturing principles

With extensive research experience spanning from application of nanotechnology as emerging drug delivery systems to protein delivery, phytomedicine, tissue regeneration, and application of photodynamic therapy. Likewise, managed to acquire funds for 6 projects in the field of nanomedicine and theranostics with universities in Egypt and other countries. Won **Eudragit® 2018 award** for best paper in **EMEA region, Evonik, Darmstadt, Germany** in 2019, also won best poster presentation award at **5th International Conference on Nanotechnology, Nanoscience & Advanced Materials, Kuala Lumpur, Malaysia** in 2018, and international publication **Cairo University awards (2009-2020)**.

Working experience at multiple Universities as **Faculty of Nanotechnology for Postgrad Studies, Cairo University**, Future University in Egypt (FUE), Al-Ahram Canadian University (ACU), Modern University for Technology and Information (MTI), October University for Modern Sciences and Arts (MSA), and German University in Cairo (GUC).

Qualifications

- Degree of Philosophy Doctor of Pharmaceutical Sciences in Pharmaceutics, Cairo University (July 2005).
- Degree of Master of Pharmaceutical Sciences in Pharmaceutics, Cairo University (May 2001).
- Degree of Bachelor of Pharmaceutical Sciences, Cairo University with general grade Excellent with Honors (May 1995)

Research interest

- Research spans from application of nanotechnology as drug delivery systems to protein delivery, phytomedicine, tissue regeneration, and application of photodynamic therapy.
- Developing local pharmaceutical industry by following LEAN manufacturing

Supervise(s/d) 31 Master and PhD students in Pharmaceutics and Industrial Pharmacy

Funded projects (6)

1. Basma Elsaadany, Mai Zakaria, **Aliaa EIMeshad**, Hala Bakr, Tarek Shuman & Noha Adel "Self healing gel as a vehicle for recombinant human epidermal growth factor in treatment of oral mucositis following cancer therapy", 2021 – 2023 (current) (funded by: Cairo University, Egypt).
2. Hala Bakr (PI), **Aliaa N. EIMeshad (CoPI)**, Hana Merey, Walaa Wadie & Dalia El-Tanbouly "Synthesis and Characterization of N-palmitoyl L-aminoacids Organogels as Carriers of Amantadine in Parkinson's Disease", 2019 – 2021 (current) (funded by: Interdisciplinary research grant (IRG) cycle III, Faculty of Pharmacy, Cairo University, Egypt).
3. **Aliaa Nabil EIMeshad (PI)**, Nasr Eldin Hussein Nasr, Metwaly Gamel Metwaly, Eman Osama Ahmed, Ahmed Roshdy Fares "Investigating The Root Cause of N- Nitrosodimethylamine Formation in Metformin Pharmaceutical Products", 2020 - 2021 (accomplished) (funded by: Al Esraa Pharmaceutical Optima, Badr City, Cairo, Egypt).
4. Mona Arafa (PI), Mohey Mazar, **Aliaa N. EIMeshad (CoPI)** & Yasmien Attia "Role of Surface Functionalized PLGA Chitosan Nanocomposite As A Theranostic Platform in Breast Cancer Model in Rats", 2018 – 2019 (funded by: Science and Technology Development Fund (STDF), Cairo, Egypt, Young investigator research grant). (accomplished) (British University in Egypt + Faculty of Pharmacy Cairo University)
5. Medhat A. Al-Ghobashy (PI), **Aliaa N. EIMeshad (CoPI)**, Ahmed S. Attia, Mohamed El-Shourbagy & Wael Mamdouh "Formulation and Evaluation of Surface Functionalized Nanoparticles Enclosing Myelin Basic Protein for Treatment of Multiple Sclerosis ", 2015 – 2017 (funded by: Science and Technology Development Fund (STDF), Cairo, Egypt, targeted call: Towards Development of Pharmaceutical Industries). (accomplished) (American University in Cairo + Faculty of Pharmacy Cairo University)

6. Medhat Al-Ghobashy (PI), Aliaa EIMeshad, Rania Mohsen, Mohamed Nooh, Goetz Laible & David Harding, *Development, characterization & evaluation of a therapeutic vaccine for treatment of multiple sclerosis, 2012 – 2014 (funded by: Interdisciplinary research grant (IRG), Faculty of Pharmacy, Cairo University, Egypt & Massey University Research Fund (MURF), New Zealand). (accomplished) (Massey University, New Zealand + Faculty of Pharmacy Cairo University)*

Scientific publications (48) (Scopus h-index 16)

1. Nasr, N.E.H.; EIMeshad, A.N.; Fares, A.R. (2022) *Nanocarrier Systems in Taste Masking*. **Sci. Pharm.** 90, 20. <https://doi.org/10.3390/scipharm90010020>
2. Dina B Mahmoud, Aliaa N EIMeshad, Maha Fadel, Abeer Tawfik, Shahenda A Ramez (2022) *Photodynamic Therapy Fortified with Topical Oleyl Alcohol-Based Transethosomal 8-Methoxypsoralen for Ameliorating Vitiligo: Optimization and Clinical Study*. **International Journal Pharmaceutics**. Jan 10;12145 doi: 10.1016/j.ijpharm.2022.121459.
3. Fahmy, S.A.; Mahdy, N.K.; Al Mulla, H.; EIMeshad, A.N.; Issa, M.Y.; Azzazy, H.M.E.-S. (2022) *PLGA/PEG Nanoparticles Loaded with Cyclodextrin-Peganum harmala Alkaloid Complex and Ascorbic Acid with Promising Antimicrobial Activities*. **Pharmaceutics** 14, 142. <https://doi.org/10.3390/pharmaceutics14010142>.
4. Dina B. Mahmoud, Walaa M. Ismail, Yassmin Moatasim, Omnia Kutkat, Aliaa N. EIMeshad, Shahira M. Ezzat, Kadriya S. El Deeb, Ahlam M. El-Fishawy, Mokhtar R. Gomaa, Ahmed Kandeil, Ahmed A. Al-karmalawy, Mohamed A. Ali, Ahmed Mostafa (2021) *Delineating A Potent Antiviral Activity of Cuphea Ignea Extract Loaded Nano-formulation Against SARS-CoV-2: In Silico And In Vitro Studies*. **Journal of Drug Delivery Science and Technology**, 66: 102845.
5. Yasmien Ezzeldeen, Shady Swidan, Aliaa EIMeshad, Aya Sebak (2021) *Green Synthesized Honokiol Transfersomes Relieve the Immunosuppressive and Stem-Like Cell Characteristics of the Aggressive B16F10 Melanoma*. **International Journal of Nanomedicine** 16: 5693–5712.
6. S. A. Abosabaa, M. G. Arafa, and A. N. EIMeshad (2021) *Hybrid chitosan-lipid nanoparticles of green tea extract as natural anti-cellulite agent with superior in vivo potency: full synthesis and analysis*. **Drug Delivery** 28 (1): 2160-2176.
7. Nasr Eldin Hussein Nasr, Metwaly Gamel Metwaly, Eman Osama Ahmed, Ahmed Roshdy Fares, Aliaa Nabil EIMeshad (2021) *Investigating the root cause of Nitrosodimethylamine formation in metformin pharmaceutical products*, **Expert Opinion on Drug Safety**, DOI: 10.1080/14740338.2021.1917547
8. S. A. Abosabaa, A. N. EIMeshad, and M. G. Arafa (2021) *Chitosan Nanocarrier Entrapping Hydrophilic Drugs as Advanced Polymeric System for Dual Pharmaceutical and Cosmeceutical Application: A Comprehensive Analysis Using Box–Behnken Design*. **Polymers** 13 (5): 1-18.

9. Aya Ahmed Sebak, Iman Imam Omar Gomaa, Aliaa Nabil ElMeshad, Mahmoud Hussein Farag, Ulrike Breitinger, Hans-Georg Breitinger, Mahmoud Hashem AbdelKader (2020) *Distinct Proteins in Protein Corona of Nanoparticles Represent a Promising Venue For Endogenous Targeting - Part II: In vitro and in vivo kinetics study*. **International Journal of Nanomedicine** 15: 9539-9556.
10. Aya Ahmed Sebak, Iman Imam Omar Gomaa, Aliaa Nabil ElMeshad, Mahmoud Hussein Farag, Ulrike Breitinger, Hans-Georg Breitinger, Mahmoud Hashem AbdelKader (2020) *Distinct Proteins in Protein Corona of Nanoparticles Represent a Promising Venue For Endogenous Targeting - Part I: In vitro Release and Intracellular Uptake Perspective*. **International Journal of Nanomedicine** 15: 8845-8862.
11. Shaimaa Ali Ali Radwan, Walaa H. El-Maadawy, Aliaa Nabil ElMeshad, Raguia Aly Shoukri, Carol Yousry (2020) *Zein/Phospholipid Composite Nanoparticles for Successful Delivery of Gallic Acid into aHSCs: Influence of Size, Surface Charge, and Vitamin A Coupling*. **International Journal of Nanomedicine** 15: 7995–8018.
12. S.A. Abosabaa, M.G. Arafa, A.N. ElMeshad (2020) *Drug delivery systems integrated with conventional and advanced treatment approaches toward cellulite reduction*. **Journal of Drug Delivery Science and Technology**, 60: 102084.
13. Shaimaa Ali Ali Radwan, Walaa H. El-Maadawy, Aliaa Nabil ElMeshad, Raguia Aly Shoukri, Carol Yousry (2020) *Impact of Reverse Micelle Loaded Lipid Nanocapsules on the Delivery of Gallic Acid into Activated Hepatic Stellate Cells: A Promising Therapeutic Approach for Hepatic Fibrosis*. **Pharmaceutical Research** 37:180.
14. Aliaa Nabil ElMeshad, Khaled M. Abdel-Haleem, Nabaweya A. Abdel Gawad, Mohamed Ahmed El-Nabarawi, Nermin M. Sheta (2020) *Core in Cup Ethylmorphine Hydrochloride Tablet for Dual Fast and Sustained Pain Relief: Formulation, Characterization, and Pharmacokinetic Study*. **AAPS PharmSciTech**. 21: 244.
15. Mohamed Mofreh Bakr, Marwa Hassan Shukr, Aliaa Nabil ElMeshad (2020) *In Situ Hexosomal Gel as a Promising Tool to Ameliorate the Transnasal Brain Delivery of Vinpocetine: Central Composite Optimization and In Vivo Biodistribution*. **Journal of Pharmaceutical Sciences** 109 (7): 2213-2223.
16. Wisam Khalaf Delan, Mai Zakaria, Basma Elsaadany, Aliaa N. ElMeshad, Wael Mamdouh, Ahmed R. Fares (2020) *Formulation of simvastatin chitosan nanoparticles for controlled delivery in bone regeneration: Optimization using Box-Behnken design, stability and in vivo study*. **International Journal of Pharmaceutics** 577: 119038.
17. Dina Bahaa El Din Mahmoud, Marwa Hassan Shukr, Aliaa Nabil ElMeshad (2019) *Gastroretentive Co-Solvent Based In situ Gel As A Promising Approach for Simultaneous Extended Delivery and Enhanced Bioavailability of Mitiglinide Calcium*. **Journal of Pharmaceutical Sciences** 108: 897-906.

18. Mai Zakaria, Aliaa ElMeshad (2018) *Clinical efficacy of nicotine replacement therapy in the treatment of minor recurrent aphthous stomatitis*. **Journal of The Arab Society for Medical Research** 13:106–112.
19. Hala Bakr El-Nassan, Aliaa Nabil ElMeshad, Walaa Wadie, Rabab H. Sayed (2018) *Synthesis, Characterization and Biocompatibility of N-palmitoyl L-alanine-based Organogels as Sustained Implants of Granisetron and Evaluation of their Antiemetic Effect*. **Pharmaceutical Research** 35:149.
20. Sebak AA, Gomaa II, ElMeshad AN, AbdelKader MH (2018) *Targeted Photodynamic-Induced Singlet Oxygen Production by Peptide-Conjugated Biodegradable Nanoparticles for Treatment of Skin Melanoma*. **Photodiagnosis and Photodynamic Therapy** 23: 181-189.
21. Dina Bahaa El Din Mahmoud, Marwa Hassan Shukr, Aliaa Nabil ElMeshad (2018) *Gastroretentive Microsponge as a Promising Tool for Prolonging the Release of Mitiglinide Calcium in Type-2 Diabetes Mellitus: Optimization and Pharmacokinetics Study*. **AAPS PharmSciTech**. 19 (6): 2519-2531.
22. Ahmed R. Fares, Aliaa N. ElMeshad & Mohamed A. A. Kassem (2018) *Enhancement of dissolution and oral bioavailability of lacidipine via pluronic P123/F127 mixed polymeric micelles: formulation, optimization using central composite design and in vivo bioavailability study*. **Drug Delivery** 25:1, 132-142.
23. Medhat A. Al-Ghobashy, Aliaa N. ElMeshad, Rania M. Abdelsalam, Mohammed M. Nooh, Muhammad Al-Shorbagy & Götz Laible. (2017) *Development and Pre-Clinical Evaluation of Recombinant Human Myelin Basic Protein Nano Therapeutic Vaccine in Experimental Autoimmune Encephalomyelitis Mice Animal Model*. **Scientific Reports** 7: 46468.
24. Tarek K. Motawi, Shohda A. El-Maraghy, Aliaa Nabil ElMeshad, Omnia M. Nady, Olfat A. Hammam. (2017) *Cromolyn chitosan nanoparticles as a novel protective approach for colorectal cancer*. **Chemico-Biological Interactions**. 275: 1-12.
25. El-Nabarawi MA, El-Meshad AN, Moqbel HA. (2017) *Comparative study of different approaches for preparation of chlorzoxazone orodispersible tablets*. **Drug Development and Industrial Pharmacy** 43 (5): 742-750.
26. Shaimaa Ali Ali Radwan, Aliaa Nabil ElMeshad & Raguia Aly Shoukri. (2017) *Microemulsion loaded hydrogel as a promising vehicle for dermal delivery of the antifungal sertaconazole: design, optimization and ex vivo evaluation*. **Drug Development and Industrial Pharmacy** 43 (8): 1351–1365.
27. Mohamed El-Nabarawi, Aliaa N.ElMeshad, Mohamed Y. Moutasim. (2017) *A pharmaceutical study on lornoxicam fast disintegrating tablets: formulation and in vitro and in vivo evaluation*. **Drug Delivery and Translational Research** 7:450–459.

28. Mohamed A.A. Kassem, Aliaa N. ElMeshad, Ahmed R. Fares. **(2017)** *Enhanced Solubility and Dissolution Rate of Lacidipine Nanosuspension: Formulation Via Antisolvent Sonoprecipitation Technique and Optimization Using Box–Behnken Design*. **AAPS PharmSciTech** 18 (4): 983-996.
29. El-Nabarawi MA, El-Meshad AN, Moqbel HA. **(2016)** *A pharmaceutical study on chlorzoxazone orodispersible tablets: Formulation, in-vitro and in-vivo evaluation*. **Drug Delivery**, 23 (8): 2998-3007.
30. Shahira M. Ezzat, Maha M. Salama, Aliaa N. ElMeshad, Mahmoud H. Teaima, Laila A. Rashad. **(2016)** *HPLC–DAD–MS/MS profiling of standardized rosemary extract and enhancement of its anti-wrinkle activity by encapsulation in elastic nanovesicles*. **Archives Pharmacal Research** 39: 912-925.
31. ElMeshad AN, Mohsen AM **(2016)** *Enhanced corneal permeation and antimycotic activity of itraconazole against Candida albicans via a novel nanosystem vesicle*. **Drug Delivery** 23 (7): 2115-2123.
32. Mohamed A.A. Kassem, Aliaa N. ElMeshad, Ahmed R. Fares. **(2015)** *Lyophilized Sustained Release Mucoadhesive Chitosan Sponges for Buccal Buspirone Hydrochloride Delivery: Formulation and In Vitro Evaluation*. **AAPS Pharm SciTech** 16 (3): 537-547.
33. El-Nabarawi MA, El-Meshad AN, Sayed DS. **(2014)** *Evaluation of Micronutrients Supplementation for Correction of Stunting: A preclinical study*. **PharmaNutrition** 2 (3): 61-68.
34. El-Nabarawi MA, El-Meshad AN, Sayed DS. **(2014)** *Development and Characterization of Micronutrients Supplement for Correction of Stunting*. **Inventi Rapid: Nutraceuticals** 2014 (2): 1-7.
35. Mohamed A.A. Kassem, Aliaa N. ElMeshad, Ahmed R. Fares. **(2014)** *Enhanced bioavailability of buspirone hydrochloride via cup and core buccal tablets: Formulation and in vitro/in vivo evaluation*. **International Journal of Pharmaceutics** 463, 68– 80.
36. A.N. ElMeshad, S.M. Mortazavi, M.R. Mozafari **(2014)** *Formulation and characterisation of nanoliposomal 5-Fluorouracil for cancer nanotherapy*. **Journal of Liposome Research** 24 (1), 1-9.
37. Mohamed El-Nabarawi, Aliaa N.ElMeshad, Mohamed Y. Moutasim **(2013)** *Assessment of bioavailability of sumatriptan transdermal delivery systems in rabbits*. **International Journal of Pharmacy and Pharmaceutical Sciences** 5 (2), 225-240.
38. Soad A. Yehia, Ahmed H. Elshafeey, Aliaa ElMeshad, Hamoud A. Al-Bialely **(2013)** *Formulation and evaluation of itopride microcapsules in human volunteers*. **Journal of Drug Delivery and Scientific Technology** 23 (3), 239-245.

39. Ismail MF, ElMeshad AN, Salem NA. (2013) *Potential therapeutic effect of nanobased formulation of rivastigmine on rat model of Alzheimer's disease*. **International Journal of Nanomedicine** 8, 393–406.
40. Soad A. Yehia, Ahmed H. Elshafeey, Aliaa ElMeshad, Hamoud A. Al-Bialely (2012) *A Pharmaceutical Study on Different Approaches for Itopride Hydrochloride Sustainment: In-vitro and in-vivo evaluation*. **Journal of Chemical and Pharmaceutical Research** 4(2), 1398-1412.
41. ElMeshad AN, El-Ashmoony MM (2012) *Floating furosemide gel beads: in-vitro and in-vivo evaluation*. **Journal of Drug Delivery and Scientific Technology** 22 (4), 317-325.
42. ElMeshad AN, El-Hagrasy AS (2011) *Characterization and optimization of orodispersible mosapride film formulations*. **AAPSP PharmSciTech** 12 (4), 1384–1392.
43. ElMeshad AN, Tadros MI (2011) *Transdermal delivery of an anti-cancer drug via w/o emulsions based on alkyl polyglycosides and lecithin: design, characterization, and in vivo evaluation of the possible irritation potential in rats*. **AAPSP PharmSciTech** 12 (1), 1-9.
44. Aboelwafa A, El-Setohy D, ElMeshad AN (2010) *Comparative study on the effects of some polyoxyethylene alkyl ether and sorbitan fatty acid ester surfactants on the performance of transdermal carvedilol proniosomal gel using experimental design*. **AAPSP PharmSciTech** 11(4):1591-1602.
45. Darwish MK, ElMeshad AN (2009) *Buccal mucoadhesive tablets of flurbiprofen: characterization and optimization*. **Drug Discoveries and Therapeutics** 3 (4), 181-189.
46. ElMeshad AN, Darwish MK (2009) *Stability studies of the effect of crosslinking on hydrochlorothiazide release*. **Drug Discoveries and Therapeutics** 3 (3), 136-142.
47. ElMeshad AN (2008) *Liquisolid tablets providing supersaturated solution of glibenclamide and enhancing drug dissolution*. **Bulletin of Faculty of Pharmacy Cairo University** 46 (3), 237-256.
48. Kassem MA, Afifi NN, El-Meshad AN (2007) *Study of the effect of intestinal first-pass and P-glycoprotein efflux problems affecting methoxsalen*. **Azhar Journal of Pharmaceutical Sciences** 35, 66-79.

Awards

- **Eudragit® 2018 award** for best paper submitted from **EMEA region, Evonik Darmstadt, Germany**, September 2019.
- Best poster presentation at **5th International Conference on Nanotechnology, Nanoscience & Advanced Materials**, Kuala Lumpur, Malaysia, 2-3 February, 2018
- International publication award, Cairo University (2009 - 2020)
- Interdisciplinary research grant (IRG) cycle I, Faculty of Pharmacy, Cairo University, January (2012)

Activities

- Shared in writing the bylaw of **Faculty of Nanotechnology for Postgrad Studies**, Cairo University.
- Team member as external auditor for Faculty of Pharmacy, Delta University for Science and Technology, Mansoura, Egypt by **National Authority for Quality Assurance and Accreditation (NAQAAE)** 8/4/2019 – 10/4/2019.
- **Trainer**
 1. **“Smart Nano Drug Delivery System”**, Atomic Energy Agency in collaboration with League of Arab Countries, Monday 28 March, 2022.
 2. **“Comparison between two management systems: LEAN and TQM”**, Holding Company for Pharmaceuticals, Egypt, 23 February 2019 at Memphis Pharmaceutical and Chemical Industry.
 3. **“Continuous profession development (GMP guidelines and Quality Control of pharmaceutical products – LEAN manufacturing)”**, Egyptian Pharmaceutical Syndicate, 10 February 2018.
 4. **“Orientation to the pharmaceutical industry in the Egyptian market (GMP guidelines and Quality Control of pharmaceutical products – LEAN manufacturing)”**, Holding Company for Pharmaceuticals, Egypt, 11 November 2017 and 10 March 2018 at Memphis Pharmaceutical and Chemical Industry.

Memberships

- The Egyptian Pharmaceutical Syndicate, **1995 – now**.
- The Egyptian Pharmaceutical Syndicate (Cairo Branch), **1995 – now**.
- The Egyptian Pharmaceutical Society (EPS), **1995 – now**.
- **Hazardous and high-tech drugs and risk management committee**, Central Administration Pharmaceutical Affairs (CAPA), Ministry of Health of Egypt (MOHE), **2012 – 2018**.
- **Registration of medical devices committee**, Egyptian Drug Authority (EDA), Ministry of Health of Egypt (MOHE), **2018 – now**.
- **Editorial board of Bulletin of Faculty of Pharmacy, Cairo University (B-FOPCU)**, **2016 – 2021**.
- **Editorial board of International Conference on Nanotechnology, Nanoscience & Advanced Materials**, Feb 20-22, 2019, Kuala Lumpur, Malaysia.
- **Research ethics committee of Faculty of Pharmacy, Cairo University (REC)**, **2017 – 2021**.
- **Egyptian Network of Research Ethics Committees (ENREC)**, **2022 – now**.
- **Certified auditor for National Authority for Quality Assurance and Accreditation (NAQAAE)**, **2012 – now**.

Reviewer

- Science & Technology Development Fund in Egypt (**STDF**)
- Bulletin of Faculty of Pharmacy, Cairo University (**BOFPCU**), (ISSN: 1110-0931), indexed by Elsevier.
- Drug design, Development and Therapy, (ISSN: 1177-8881), Dovepress.
- International Journal of Nanomedicine (**Int J Nanomedicine**) (ISSN: 1178-2013), Dovepress.
- European Journal of Pharmaceutical Sciences, (ISSN: 0928-0987), Elsevier.
- Marmara Pharmaceutical Journal, (ISSN: 1309-0801).
- African journal of Pharmacy and Pharmacology (**AJPP**), (ISSN: 1996-0816), Academic journals.
- Pharmaceutical Development and Technology, (**PDT**), (ISSN: 1083-7450 (print), 1097-9867 (electronic), Informa Healthcare.
- Scientific Reports, Springer Nature.
- Frontiers in Chemistry, section Medicinal and Pharmaceutical Chemistry
- Pharmaceutics, (ISSN 1999-4923; CODEN: PHARK5), published by MDPI.
- ACS Omega, American Chemical Society (Web Edition ISSN: 2470-1343).
- Saudi Pharmaceutical Journal, Elsevier, (ISSN: 1319-0164).

Workshops

Trainer:

1. **“Smart Nano Drug Delivery Systems”**, Egyptian Atomic Energy Agency in collaboration with League of Arab Countries, Monday 28th March, 2022.
2. **“Smart Drug Delivery Systems”**, Egyptian Atomic Energy Agency in collaboration with League of Arab Countries, Sunday 21st April, 2019.
3. **“Comparison between two management systems: LEAN and TQM”**, Holding Company for Pharmaceuticals, Egypt, at Memphis Pharmaceutical and Chemical Industry, Saturday 23rd February 2019.
4. **“Drug Delivery Systems”**, Egyptian Atomic Energy Agency in collaboration with League of Arab Countries, Sunday 22nd April, 2018.
5. **“Orientation to the pharmaceutical industry in the Egyptian market (GMP guidelines and Quality Control of pharmaceutical products – LEAN manufacturing)”**, Holding Company for Pharmaceuticals, Egypt, at Memphis Pharmaceutical and Chemical Industry, Saturday 10th March 2018.
6. **“Continuous profession development (GMP guidelines and Quality Control of pharmaceutical products – LEAN manufacturing)”**, Egyptian Pharmaceutical Syndicate, at Faculty of Pharmacy, Cairo University, Saturday 10th February 2018.
7. **“Orientation to the pharmaceutical industry in the Egyptian market (GMP guidelines and Quality Control of pharmaceutical products – LEAN manufacturing)”**, Holding Company for Pharmaceuticals, Egypt, at Memphis Pharmaceutical and Chemical Industry, Saturday 11th November 2017.

Trainee:

1. **“Creating a Global Healthcare Support Network”**, EMG-Healthcare Podcast, Sunday 22nd May, 2022.
2. **“Optimizing Development During a Market Downturn”**, Abingworth & Catalent webinar, Saturday 21st May, 2022.

3. **“Discovering Biosynthetic Cellulose: A Material for Wound Management, Implants and Drug Delivery”**, Evonik Health Care, Evonik webinar, Thursday, 28th April, 2022.
4. **“Better decisions during phase 1 clinical trials with nimble design structures”**, Pharmaceutical Technology Webcasts, Tuesday, 26th April, 2022.
5. **“Making Oral solid dosage forms with galenIQ™ - the sweet-tasting filler binder”**, Pharmaceutical Technology Webcasts, Tuesday 1st March, 2022.
6. **“Challenges of AI Ethics and Governance: From Principles to Practice”** Bioethics and Ethics of Science Section of UNESCO and Ministry of Education, Culture, Sports, Science and Technology of Japan webinar, Thursday 24th February 2022.
7. **“Drug Digest Episode 1 - Pairing the Right APIs and Excipients for Optimizing Formulations”**, Pharmaceutical Technology Webcasts, Thursday 27th January, 2022.
8. **“Dosage Form Design & Patient Compliance: Exploring ODTs as a Patient-centric Solution”**, Pharmaceutical Technology Webcasts, Thursday 27th January, 2022.
9. **“Nanoparticles for Drug Delivery”**, Scientific Instruments, Entegris Company & Pharmaceutical Technology Webcasts, Tuesday 26th January, 2022.
10. **“Introduction to High Resolution Integrated Weighing”**, Pharmaceutical Technology Webcasts, Tuesday 18th January, 2022.
11. **“Why Biotech and Pharma Need GxP for their Digital Transformation Projects Now”**, Pharmaceutical Technology Webcasts, Monday, 20th December, 2021.
12. **“Rewriting the health code: how mRNA technology is shaping the future of medicine”**, Evonik Health Care, Evonik webinar, Wednesday, 27th October, 2021.
13. **“Program specification”**, FLDC, Helwan University, 19-20th September 2021.
14. **“Ocular drug delivery: New advances in materials, formulation and analytics”**, Evonik Health Care, Evonik webinar, Tuesday, 29th June, 2021.
15. **"From medical textiles to medical tubes: Discover the industry's most versatile portfolio of bioresorbable polymers"**, Evonik Health Care, Evonik webinar, Wed, 23rd June, 2021.
16. **"Open House at Vancouver and Birmingham Sites with Evonik Health Care"**, Evonik webinar, Wednesday, 31st March, 2021.
17. **"What Makes Lipid Excipients so Special? Overcoming Bioavailability Challenges and Accelerating Development Using Softgels"**, Gattefosse & Catalent webinar, Tuesday, 30th March, 2021.
18. **“E-learning and preparing E-courses”**, National E-Learning Center, Supreme Council of Universities , UNESCO, Tuesday, 30th March, 2021.
19. **“Assessment tools and preparing MCQ for staff of medical sector”**, Measurement and Assessment Center, Supreme Council of Universities, 28-29th March, 2021.
20. **“Egyptian public intellectual property course”**, online third round, World Intellectual Property Organization (WIPO), 9th November – 27th December 2020.
21. **"A review of recent excipient, formulation and process innovations for immediate release dosage forms"** Evonik webinar, Tuesday, December 1, 2020.
22. **"Advanced colonic targeting for drug products and other microbiome therapeutics"**, Evonik webinar, Tuesday, November 24, 2020.
23. **"Delayed release formulations: The latest innovations for enteric coatings, delivery technologies and continuous manufacturing"**, Evonik webinar, Tuesday, November 17, 2020.

24. International journal of nanomedicine special webinar **“Engineered Biomedical Materials to Improve Human Health”**, Dr. Dr. Gulden Camci-Unal, Department of Chemical Engineering, University of Massachusetts, Lowell USA, Thursday 12th November, 2020.
25. International journal of nanomedicine special webinar **“The Next Generation of Oral Drug Delivery Technologies”**, Dr. Ravi Kumar, Department of Pharmaceutical Sciences, Irma Lerma Rangel College of Pharmacy, Texas A&M University, College Station, USA, Thursday 10th September 2020.
26. **“ENREC Webinar 24: Challenges Facing Research Ethics Committees during COVID-19 Pandemic”**, webinar ENREC, Egyptian Network of Research Ethics Committees, Friday 5th June, 2020.
27. **“What Pharmacists Should Know About COVID-19”**, webinar Egyptian Pharmaceutical Vigilance Center, Egyptian Drug Authority (EDA), Wednesday 22nd April, 2020.
28. **“Fake Medications: Challenges, Global Responses and Current Research”**, Freie Universität Berlin, Steigenberger Cairo Hotel in Cairo, Egypt, 24-25th September, 2019.
29. **“How mechanical properties of polymers change with temperature”** webinar Elsevier, Materials Today, sponsored by Netzsch, Tuesday 9th April, 2019.
30. **“How to write a lay summary”**, Elsevier Researcher Academy webinar, Tuesday 19th March, 2019.
31. **“Discover Nanoparticle Tracking Analysis”**, Malvern Panalytical webinar, Tuesday 19th March, 2019.
32. **“Research ethics in Faculty of Pharmacy, Cairo University”**, organized by Central Administration of Research and Health Development & ENREC, Faculty of Pharmacy, Cairo University, Sunday 24 February 2019.
33. **“Maximizing the Performance of your Active Pharmaceutical Ingredients”**, organized by Croda and Orkilla Company, at Heliopolis Towers Hotel, Cairo, 27 November, 2018.
34. **“SciVal: A tool for evidence-based research planning”**, Elsevier Research Academy, Faculty of Pharmacy, Cairo University, Thursday 8 November 2018.
35. **“Driving Value in the Evolution Toward Continuous Monoclonal Antibody Processing”**, Merck webinar, Thursday 7 June, 2018.
36. **“Making academia–industry collaborations work”**, Elsevier Researcher Academy webinar, Wednesday 20 June, 2018.
37. **“How to Drive Innovation in Formulated Products through Predictive Analytics”**, BioVia webinar, Wednesday 2 May, 2018.
38. **“Introduction to Flexible Filtration - A Strategic Approach to Implementing Single-Use Technology Using Lean Manufacturing Principles”**, Merck webinar, Tuesday 1 May, 2018.
39. **“The early access masterclass: translate early access into wider access”** Eyeforpharma webinar, Thursday, 25 January, 2018.
40. **Innovation Incubator X Cairo, DAAD COSIMENA Health Cluster**, at the premises of the DAAD Cairo office, Zamalek, Cairo, 18 November, 2017.
41. **“Eudragit® Advanced Seminar”**, organized by Evonik Health Care, at Fairmont Heliopolis Hotel, Cairo, 9 October, 2017.
42. **“Rheology of Soft Matter – Gels and Soft Glass Transition”**, Malvern webinar, Thursday 14 September, 2017.
43. **“Creating online and interactive quizzes”**, at Faculty of Pharmacy, Cairo University, Egypt, 22 February, 2017.

44. **“Solid phase extraction as a tool for sample preparation”**, organized by Center of Applied Research and Advanced Studies (CARAS) at Faculty of Pharmacy, Cairo University, 13 April, 2016.
45. **“Proper selection and evaluation of API raw materials: Case studies on new HCV drug”**, organized by Drug Manufacturing unit (DMU) at Faculty of Pharmacy, Cairo University, Egypt, 21 May, 2016.
46. **“The Chronicles of a Biosimilar Production Facility”**, Merck webinar, 25th January, 2016.
47. **“Modern Tablets and Capsules Formulation: Manufacturing and Problem Solving”**, Natoli, USA, organized by Future University in Egypt, 27-28 January, 2016.
48. **“Towards a successful pharmaceutical development of generic drug products: From action letter to NODCAR approval”**, organized by Drug Manufacturing unit (DMU) at Faculty of Pharmacy, Cairo University, Egypt, 26 December, 2015.
49. **“Regulatory and technical aspects for successful comparative in vitro dissolution study”**, organized by Center of Applied Research and Advanced Studies (CARAS) at Faculty of Pharmacy, Cairo University, 13 October, 2015.
50. **“Generic pharmaceutical products in the Egyptian market: Registration requirements”**, organized by Drug Manufacturing unit (DMU) at Faculty of Pharmacy, Cairo University, Egypt, 27 December, 2014.
51. **“Stability and bioequivalence guidelines for the pharmaceutical products in the Egyptian market”**, organized by Drug manufacturing unit (DMU), Faculty of Pharmacy, Cairo University, 7 December, 2013.
52. Journal of Advanced Research (JAR) 5th Workshop: **Your future in science: “Writing and publishing a scientific paper”**, *New Central Library, Cairo University*, 23 April, 2013.
53. **“How to develop a project proposal”**, Alexandria Research Center for Adaptation to Climate Change (ARCA) in cooperation with International Development Research Centre – Canada (IDRC), *at Cairo University Conference Hall 1*, 9 – 11 April, 2013.
54. **“Quality by design”**, Drug manufacturing unit, Faculty of Pharmacy, Cairo University, 9 September, 2012.
55. **“Formulating with Roquette’s excipients” and “Lactose in tableting technology”**, Orkila Company, Fairmont Hotel, Heliopolis, Cairo, Egypt, 23 March, 2010.
56. **“Update on Formulary System Management”** by Dianne B. Williams, Pharm.D., BCPS (Drug Information and Formulary Coordinator, MCG Health Clinical Associate Professor, University of Georgia College of Pharmacy) and **“Update New Antimicrobials”** by J. Russell May, Pharm.D., FASHP (Clinical Professor- Department of Clinical Administrative Pharmacy, University of Georgia College of Pharmacy), **attendee**, at Misr International University (MIU), 10th November, 2008.

Conferences

Keynote speaker

- 7th International Scientific Conference of Faculty of Pharmacy Cairo University on "Translational Research in Pharmacy" From Bench to Market", Cairo, *“Nanotechnology: A common platform for multidiscipline research”*, 16 - 17 April, 2016.

Poster

- Yasmien Ezzeldeen, Shady Swidan, Aliaa EIMeshad, Aya Sebak. *“Role of Green Synthesized Honokiol-loaded Transfersomes on a Key Player of The Tumor Microenvironment”*, 12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Graz, Austria, 2021.
- Aliaa N. EIMeshad, Mohamed A. Ahmed, Medhat Al-Ghobashy, Ahmed S. Attia, Muhammad Al-Shorbagy, Wael Mamdouh. *“Formulation and Evaluation of Surface Functionalized Nanoparticles Enclosing Myelin Basic Protein for Treatment of Multiple Sclerosis”*, 5th International Congress on Technology Engineering & Science, Kuala Lumpur, Malaysia, 2-3 February, 2018.
- Tarek K. Motawi, Shohda A. El-Maraghy, Aliaa Nabil EIMeshad, Omnia M. Nady *Cromolyn chitosan nanoparticles as a novel protective approach for colorectal cancer*, 8th International Scientific Conference of Faculty of Pharmacy Cairo University on "Pharmacy in Egypt: Ensuring Access to Health", Cairo, 22 April, 2017.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Mohamed Moutasim *"A Bioequivalence Study of Orodispersible Tablets of Lornoxicam"*, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition, USA, 13 – 17 November, 2016.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Helal Abdou *"In-vivo study of chlorzoxazone orodispersible tablets"*, 7th International Scientific Conference of Faculty of Pharmacy Cairo University on "Translational Research in Pharmacy" From Bench to Market", Cairo, 16 - 17 April, 2016.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Khaled Abd ElHamid *"Topical Itraconazole Emulgels: In-vitro and In-vivo Evaluation"*, 7th International Scientific Conference of Faculty of Pharmacy Cairo University on "Translational Research in Pharmacy" From Bench to Market", Cairo, 16 - 17 April, 2016.
- Mohamed Kassem, Aliaa EIMeshad, Ahmed Roshdy Fares *"Preparation and Optimization of Lacidipine Nanosuspension by Antisolvent Sonoprecipitation Technique Box-Behnken Design"*, OMICS 8th International and Exhibition on Pharmaceutics & Novel Drug Delivery Systems, 7-9 March, 2016, Spain.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Doaa Sayed *"Evaluation of micronutrients supplementation for prevention of stunting (preclinical study)"*, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition, USA, 25-29 October, 2015.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Mohamed Moutassim *"Orodispersible tablets of lornoxicam for management of arthritis"*, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition, USA, 25-29 October, 2015.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Helal Abdou *"A pharmaceutical study of chlorzoxazone orodispersible tablets"*, 6th International Scientific Conference of Faculty of Pharmacy Cairo University on "2020 Vision of Pharmacy in Egypt", Cairo, 25 – 26th April, 2015.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Mohamed Moutassim *"Sumatriptan transdermal films: Bioequivalence study"*, 5th International Scientific Conference of Faculty of Pharmacy Cairo University on "Pharmacy at the Cutting-edge: Facing Future Challenges", Cairo, 23 - 24 April, 2014.
- Manal Ismail, Aliaa EIMeshad, Nivine Salem *"Potential therapeutic effect of nano-based formulation of rivastigmine on rat model of Alzheimer's disease"*, 4th International

Scientific Conference of Faculty of Pharmacy Cairo University on "Pharmacy Education and Community Expectations", Cairo, 24 - 25 April, 2013.

- Mohamed El-Nabarawi, Aliaa EIMeshad, Mohamed Moutassim "Natural penetration enhancers for sumatriptan transdermal delivery systems", 4th International Scientific Conference of Faculty of Pharmacy Cairo University on "Pharmacy Education and Community Expectations", Cairo, 24 - 25 April, 2013.
- Mohamed Kassem, Aliaa EIMeshad, Ahmed Roshdy Fares "Development of chitosan sponges for buccal administration of buspirone", Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT), 10-12 March, 2013.
- Mohamed El-Nabarawi, Aliaa EIMeshad, Mohamed Moutassim "Sumatriptan transdermal delivery systems for the treatment of migraine", American Association of Pharmaceutical Scientists (AAPS) annual meeting & exposition 2012, Chicago, USA, 14-18 October, 2012.
- Mohamed Kassem, Aliaa EIMeshad, Ahmed Roshdy Fares "Formulation and evaluation of buspirone cup and core buccal tablets", Future University in Egypt (FUE) International Conference on Pharmaceutical Technologies (ICPT), Future University in Egypt, Cairo, 6 – 9 February, 2012.
- Mohamed Kassem, Aliaa EIMeshad, Ahmed Roshdy Fares "Formulation and evaluation of buspirone buccal tablets", 32nd Conference of the Egyptian Pharmaceutical Society (EPS), 20-22 December, 2011.
- Aliaa EIMeshad "Liquisolid tablets providing supersaturated solution of glibenclamide and enhancing drug dissolution", 31st Conference of the Egyptian Pharmaceutical Society (EPS), Dar El-Defaa Al-Gawy, Cairo, 23-25 December, 2008.

Organization

- 6th International Congress on Technology Engineering & Science, Kuala Lumpur, Malaysia, 19-20 July, 2018.
- 4th International Conference of Scientific Research and its Applications, Cairo Conference Center on 16-18 December, 2008.

Attendance

- "Africa Health ExCon Exhibition and Conferences", Al Manara International Conference Center – Egypt International Exhibitions Center (EIEC) Cairo, Egypt, 5th - 7th of June 2022. Also attended Merck symposium, Hall 14, Monday 6th June, 2022.
- WuXi Global Healthcare Forum with partnership: UK BioIndustry Association, BioCentury, Biocom, Clarivate, California Life Sciences, Endpoints News, GEN, MBC BioLabs, Medicon Valley Alliance, Pharma Intelligence, Informa, and Swiss Biotech Association - Advancing Breakthroughs for Patients, Singapore, Virtual forum, April 26-28, 2022.
- Quality management in health professional education Gulf Medical University, Virtual conference, Friday 25th February – Saturday 26th February 2022.
- The 10th annual WuXi Global Forum 2022 - Advancing Breakthroughs for Patients, Singapore, Virtual forum, Monday 10th January, 2022.
- 2020 Bio/Pharma Virtual Conference, Pharmaceutical Technology, International BioPharm, and Interphex, Wednesday, 11 November, 2020.
- 9th International Scientific Conference of Faculty of Pharmacy Cairo University on "Globally Recognized Egyptian Pharmaceutical Ingredients - A National Priority", Cairo, 25 - 26 April, 2018.

- 3rd International Conference of Photodynamic and Nanomedicine for Health sciences, Luxor & Cairo, Egypt, organized by German University in Cairo (GUC), 2 - 7 January, 2015.
- International Conference of GUC, “*Pharmaceutical and Biotechnological Therapies*”, German University in Cairo; Egypt, 28 September - 1 October, 2012.
- 3rd International Scientific Conference of Faculty of Pharmacy Cairo University on “*Good Pharmacy Practice*”, Cairo, 25 - 26 April, 2012.
- 2nd International Scientific Conference of Faculty of Pharmacy Cairo University on “*Quality Assurance in Pharmacy Education*”, Cairo, 26 April, 2010.
- 5th International Conference of Scientific Research and its Applications”, Cairo University Celebration Hall on 21-25 December, 2009.
- 1st Conference of the Performance Appraisal and Quality Assurance Unit of Faculty of Pharmacy, Cairo University (PAQU- PHARM), Dar El-Defaa Al-Gawy, Cairo, 23 December, 2008.
- 1st Conference of the Quality Assurance and Accreditation Center (QAAC) of Cairo University, 15 April 2008.

Work profile

2021 – now	Professor and head of Pharmaceutics Department, Faculty of Pharmacy and Drug Technology, The Egyptian Chinese University
2020 – 2021	Part-time Professor of Drug Delivery, Faculty of Nanotechnology for Postgrad Studies, Cairo University
2018 – 2019	Part-time Professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Future University in Egypt (FUE)
2017 – now	Professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University
2014 – 2015	Associate Professor of Pharmaceutical Technology, Faculty of Pharmacy and Biotechnology, German University in Cairo (GUC)
Spring 2014	Part-time Associate Professor of Pharmaceutics and Industrial Pharmacy, Modern University for Technology and Information (MTI)
2013 – 2017	Associate Professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University
2008 – 2009	Part-time Lecturer in October University for Modern Sciences and Arts (MSA)
2005 – 2013	Assistant Professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University
2001 – 2005	Assistant Lecturer of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University
1995 – 2001	Teaching assistant of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University