

## **Curriculum Vitae**



- **Name: Doaa Ahmed Mohamed Helal**
- **Title: Assistant professor**
- **Department: Pharmaceutics**
- **E-mail : doaa.ahmed@su.edu.eg**

### **A) Academic Qualifications:**

- Bachelor's Degree in Pharmaceutical science      University: 6<sup>th</sup> October      Year:2004
- Masters Degree in Pharmaceutical science (Pharmaceutics)      University: Cairo      Year: 2012
- Ph.D in Pharmaceutical science (Pharmaceutics)      University: Cairo      Year: 2015

### **B) Academic promotions :**

- Demonstrator,      Date: 2004
- Assistant Lecturer,      Date: 2012
- Lecturer,      Date: 2015
- Assistant Professor,      Date: 2020

### **C) Scientific Merit:**

- Google Scholar: Doaa Ahmed Saied Helal
- Citations:518      h-index: 10      i10-index: 10
- Orcid –N: 0000-0002-1222-8112
-

## **D) Academic Administrative Experiences:**

- **Deputy Director of the Project Management Unit Office at** Fayoum University, Fayoum, Egypt, July 2024- Sep.2024.
- **Acting Vice Dean of the Graduate Studies and Research**, college of pharmacy, Fayoum University, Fayoum, Egypt, Aug. 2022- Sep.2024.
- **Head of the pharmaceuticals department**, college of pharmacy, Fayoum University, Fayoum, Egypt. 2021 – Sep.2024.
- **President** of the graduate Studies & research affairs committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2022- Sep.2024.
- **President** of the cultural relations committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2022- Sep.2024.
- **President** of the library committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2022- Sep.2024.
- A member of the board of directors of the laboratories and equipment unit, Fayoum University, Fayoum, Egypt.2023-2024.
- A member of the University Awards Evaluation Committee in Scientific Research, Fayoum University, Fayoum, Egypt. 2022- Sep.2024.
- A Member of the Graduate Studies and Research Council at the university, Fayoum University, Fayoum, Egypt. 2022- Sep.2024.
- A member of the graduates & research affairs committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2021 – 2022
- A member of the Education and student affairs committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2020 – 2022
- A member of the library committee, college of pharmacy, Fayoum University, Fayoum, Egypt. 2020 – 2022
- A member of the College Board, college of pharmacy, Fayoum University, Fayoum, Egypt. 2019 – Sep.2024.
- **Academic Coordinator of clinical pharmacy program**, college of pharmacy, Fayoum University, Fayoum, Egypt. 2016 – 2022
- Academic advisor for students of clinical and general program, college of pharmacy, Fayoum University, Fayoum, Egypt. 2016 – 2022.
- 

## **E) Scientific Activities**

### **1: Membership of Professional Organizations and Scientific Societies**

- Member of the Egyptian Pharmacist Syndicate (9/2004)

## **2: Training Courses/workshops:**

- Completed training course issued by International Publishing Center, Reference managing in scientific writing, Sinai University, Arish branch, North Sinai, Egypt **(2024)**.
- Completed training course issued by The National Center For Training and Leadership, Training of Trainers **TOT** which was held at the Supreme Council of Universities **(2024)**.
- Completed training courses issued by The Egyptian Knowledge Bank Professional Writing of Grant Proposals, Tips for a successful research career and publish your research open access with springer nature with fees covered by STDF **(2022)**.
- Completed training course issued by the drug manufacturing unit, Faculty of Pharmacy, Cairo University; Quality and Equivalence of Topical Products **(2022)**.
- Completed training course issued by Faculty and Leadership Development Center (FLDC), Fayoum University; Electronic Correction of Exams, Electronic Exams **(2022)**.
- Completed training course issued by the Faculty of Medicine, Fayoum University, Egypt; Competency-Based ILOS for the medical sector **(2021)**.
- Completed training course issued by the college of pharmaceutical sciences and drug manufacturing, Misr University for science and technology; Towards New Projects in Pharmaceutical Manufacturing. **(2021)**.
- Completed various training courses issued by CME ACADEMY TRAINING, Pharma Courses, and the Educational Platform for Pharmacists and Doctors in MENA region **(2021)**.
- Completed training course issued by Faculty and Leadership Development Center (FLDC), Fayoum University; Professional Code and Ethics, Course Specifications, Course of Self Evaluation for H.E, Faculties and Institutes, National Authority for Quality Assurance and Accreditation of Education. **(2020)**.
- Completed training course issued by Faculty and Leadership Development Center (FLDC), Cairo University; Research Ethics, Creative thinking. **(2019)**.
- Completed training course issued by the National Authority for Quality Assurance and Accreditation of Education ; National Academic Reference Standards for Pharmacy Education (2<sup>nd</sup> edition) **(2017)**
- Completed training course issued by Cairo University-Community Service Center; Total Quality Management (TQM) and ISO 9001:2008 **(2013)**.
- Certificate of Mini M.B.A. in Management **(2007)**.
- Completed training course issued by Ministry of Health & Population; Clinical Practice for Pharmacists **(2004)**.

## **3: Conferences, Seminars and Workshops:**

- Therapeutics and Cosmetics from Nature, Faculty of Pharmacy, Fayoum University **(2022)**.

- Bioethical Frameworks for Researchers, Ain Shams University in collaboration with Egyptian Network of Research Ethics Committees (2022).
- Regulation of bacterial virulence as an approach to combat the problem of antibiotic resistance, Faculty of Pharmacy, Helwan University (2022).
- Artificial Intelligence in Healthcare, Faculty of Pharmacy, Alexandria University (27&28<sup>th</sup>-11-2021).
- Innovative research in pharmacy and bioscience, Faculty of Pharmacy, DELTA University, (20-21<sup>st</sup>-11-2021)
- Reshaping Pharma Sustainability and Innovation for Better Pandemic Response, Faculty of Pharmacy; Cairo University (6-7<sup>th</sup>-7-2021).
- PHARMACISTS IN FRONTLINES: New Challenges & Innovative Solutions, Faculty of Pharmacy; MSA University (12-13<sup>th</sup> -12-2020).
- Pharmaceutical & Biomedical Research-International & regional Cooperation, Faculty of Pharmacy, Fayoum University (2018).

**4: Teaching Scopes:**

- Pharmacy History and orientation - Physical Pharmacy - Pharmaceutics I - Pharmaceutics II - Pharmaceutics III – Bio-pharmaceutics and Pharmacokinetics - Industrial pharmacy I - Pharmacy Legislation - Cosmetics (Elective Course).

**5: Scientific supervision number:**

<u>Level</u>	<u>Number of Trainees</u>
PhD Students	<b>1</b>
Master Students	<b>5</b>

**6: Awards and Certificates of Appreciation:**

- The 16<sup>th</sup>Science Festival of Excellence Award in International Scientific Publishing, Fayoum University, April.2024.
- The 14<sup>th</sup>Science Festival of Excellence Award in International Scientific Publishing, Fayoum University, Dec.2021.
- The University Encouragement Award for the scientific title Associate Professor, Fayoum University, Dec.2020.
- The 13<sup>th</sup>Science Festival of Excellence Award in International Scientific Publishing, Fayoum University, Dec.2020.
- The 12<sup>th</sup>Science Festival of Excellence Award in International Scientific Publishing, Fayoum University, Dec.2019.
- The 11<sup>th</sup>Science Festival of Excellence Award in International Scientific Publishing, Fayoum University, Dec.2018.

## 7: Peer reviewing of scientific research/ Projects:

- 1- Journal of Advanced Pharmacy Research. Publisher Helwan University, Faculty of Pharmacy**
  - Manuscript ID: APRH-2209-1192  
Manuscript Title: **sublingual recombinant human insulin drug delivery system by bio-informatics**
  - Manuscript ID: APRH-2208-1189  
Manuscript Title: **Statistically-Based Optimization of Verapamil Hydrochloride Loaded Gastroretentive Alginate Beads**
  - Manuscript ID: APRH-2208-1187  
Manuscript Title: **Design of sublingual recombinant human insulin drug delivery system by bio-informatics**
  - Manuscript ID: APRH-2206-1178  
Manuscript Title: **Investigation and Physicochemical Characterization of Binary Febuxostat- Sulfobutyl Ether  $\beta$ -Cyclodextrin Inclusion Complexes**
  - Manuscript ID: APRH-2204-1172  
Manuscript Title: **Effect of formulation variables and bile salts addition on entrapment efficiency of curcumin loaded niosomes**

## 8: Other Activities:

### (a) Membership of Institutional, National, or International Scientific Advisory Boards

- **Academic Coordinator of clinical pharmacy program**, college of pharmacy, Fayoum University, Fayoum, Egypt. 2016 – 2022
- Academic advisor for students of clinical and general program, college of pharmacy, Fayoum University, Fayoum, Egypt. 2016 – 2022.

### (b) Membership of Conference Committees

- Member of the financial and accommodation committee for the 1<sup>st</sup> conference of faculty of pharmacy, Fayoum University” Pharmaceutical & Biomedical Research-International & regional Cooperation” Faculty of Pharmacy, Fayoum University (2018).

## F) Scientific Publications:

### (a) International Refereed Journals

- 1- Noha M. Badawi , Rania M. Yehia , Caroline Lamie , Khaled A. Abdelrahman , Dalia A. Attia , **Doaa A. Helal** "Tackling acne vulgaris by fabrication of tazarotene-loaded essential

- oil-based microemulsion: In vitro and in vivo evaluation "International Journal of Pharmaceutics: X Vol 5 ,(2023) <https://doi.org/10.1016/j.ijpx.2023.100185>
- 2- Mahmoud H. Teaima, Hussien Mohamed Ahmed EL-Messiry, Hajar Abdulradi Shaker, Mohamed A. EL-Nabarawi, **Doaa A. Helal**. "Optimizing levetiracetam surfactant-based nanovesicles (lev-nvs) gel for treating epilepsy using experimental design" International Journal of Applied Pharmaceutics. Vol 15 (2) ISSN- 0975-7058. (2023).
  - 3- Mahmoud H. Teaima, Hussien Mohamed Ahmed EL-Messiry, Tasneem Dahi Osman, Mohamed A. EL-Nabarawi, **Doaa A. Helal**. The Effect of Co-processed Excipients During Formulation and Evaluation of Pediatric Levetiracetam Orodispersible Tablets in Rats. International Journal of Applied Pharmaceutics. Vol 15 (1), ISSN- 0975-7058. (2023)
  - 4- Mahmoud H. Teaima , **Doaa A. Helal** , Jihad M. Alsofany , Mohamed A. El-Nabarawi and Mohamed Yasser "Ion-Triggered In Situ Gelling Intranasal Spray of Dronedrone Hydrochloride Nanocarriers: In Vitro Optimization and In Vivo Pharmacokinetic Appraisal" Pharmaceutics 2022, 14(11), 2405. <https://doi.org/10.3390/pharmaceutics14112405>.
  - 5- Mohamed H. Fayed, Ahmed Alaliwe, Ziyad S. Almalki and **Doaa A. Helal** "Design Space Approach for the Optimization of Green Fluid-ized Bed Granulation Process in the Granulation of a Poorly Water-Soluble Fenofibrate Using Design of Experiment". Pharmaceutics 2022, 14(7), 1471. <https://doi.org/10.3390/pharmaceutics14071471>
  - 6- Mahmoud Teaima, Mohamed Yasser, Nehal Elfar, Kamel Shoueir, Mohamed El Nabarawi, **Doaa Helal** "Construction of sublingual trilaminated Eszopiclone fast dissolving film for the treatment of Insomnia: Formulation, characterization and In vivo clinical comparative pharmacokinetic study in healthy human subjects". PLoS ONE 17(6): e0266019. (2022) <https://doi.org/10.1371/journal.pone.0266019>.
  - 7- Mohamed H. Fayed, Mohammed F. Aldawsari, Amer S. AlAli, Ahmed Alsaqr, Bjad K. Almutairy, Alhussain H. Aodah, Hesham M. Tawfeek, El-Sayed Khafagy, **Doaa A. Helal**. "Design-of-experiment approach to quantify the effect of nano-sized silica on tableting properties of microcrystalline cellulose to facilitate direct compression tableting of binary blend containing a low-dose drug". Journal of Drug Delivery Science and Technology (2022),68 103127. <https://doi.org/10.1016/j.jddst.2022.103127>.
  - 8- Rania S. Abdel-Rashid, Doaa A. Helal, Ahmed Adel Alaa-Eldin & Raghda Abdel-Monem" Polymeric versus lipid nanocapsules for miconazole nitrate enhanced topical delivery: in vitro and ex vivo evaluation". Drug Delivery (2022), 29 (1); 294-304. <https://doi.org/10.1080/10717544.2022.2026535>.
  - 9- Eman A. Mazyed , **Doaa A. Helal**, Mahmoud M. Elkhoudary, Ahmed G. Abd Elhameed and Mohamed Yasser "Formulation and Optimization of Nanospanlastics for Improving the Bioavailability of Green Tea Epigallocatechin Gallate". Pharmaceutics (2021). 14 (1) 68:1-30. <https://doi.org/10.3390/ph14010068>
  - 10- Mahmoud Hasan Teaima, Mohamed Yasser, Mohamed Ahmed ElNabarawi & **Doaa A. Helal**. Proniosomal Telmisartan Tablets: Formulation, in vitro Evaluation and in vivo

- Comparative Pharmacokinetic Study in Rabbits. Drug Design, Development and Therapy (2020)14: 1319–1331. [https://www.dovepress.com/article\\_metric.php?article\\_id=52816](https://www.dovepress.com/article_metric.php?article_id=52816)
- 11- Ebtsam M. Abdou, Marwa A. A. fayed, **Doaa A. Helal** & Kawkab A. Ahmed. Assessment of the hepatoprotective effect of developed lipid-polymer hybrid nanoparticles (LpHnps) encapsulating naturally extracted  $\beta$ -Sitosterol against ccl4 induced hepatotoxicity in rat. Scientific Reports (2019) 9:19779 <https://doi.org/10.1038/s41598-019-56320-2>
  - 12- Nagla Ahmed El-Nabarawy, Mahmoud H. Teaima & **Doaa A Helal**. Assessment Of Spanlastic Vesicles Of Zolmitriptan For Treating Migraine In Rats. Drug Design, Development and Therapy 13: 3929–3937. (2019) <https://www.dovepress.com/assessment-of-spanlastic-vesicles-of-zolmitriptan-for-treating-migrain-peer-reviewed-fulltext-article-DDDT>
  - 13- Rania S Abdel-Rashid, **Doaa A. Helal**, Mahmoud M Omar & Amani M El Sisi. Nanogel loaded with surfactant based nanovesicles for enhanced ocular delivery of acetazolamide. International Journal of Nanomedicine (2019) 14:2973–2983. <https://pubmed.ncbi.nlm.nih.gov/31118616/>
  - 14- Mahmoud H. Teaima, Sally A. Abdelhalim, Mohamed A. El-Nabarawi, Dalia A. Attia & **Doaa A. Helal**.”Non-ionic surfactant based vesicular drug delivery system for topical delivery of caffeine for treatment of cellulite: design, formulation, characterization, histological anti-cellulite activity, and pharmacokinetic evaluation” Drug Development and Industrial Pharmacy (2018) 44(1): 158–171. <https://pubmed.ncbi.nlm.nih.gov/28956468/>
  - 15- A.M. Abd El-Hay, A.M. Naser, A. Badawi, M.A. Abd El-Ghaffar, H. Abd El-Wahab & **Doaa A.Helal**.Biodegradable polymeric microcapsules for sustained release of riboflavin. International Journal of Biological Macromolecules (2016) 92:708\_714.<https://www.sciencedirect.com/science/article/pii/S014181301630962X>
  - 16- **Doaa A. Helal**\*, Mahmoud H. Teaima, Dalia Abd EL-Rhman, Sally A. Abdel-Halim, Mohamed A. EL-Nabarawi. Inventi Impact: Pharm Tech, (2015). Preparation and Evaluation of Niosomes Containing an Anti-Cellulite Drug. 2015(2):95-101.[https://scholar.cu.edu.eg/sites/default/files/mahmoud-teaima/files/2020formulation\\_and\\_evaluation\\_of\\_niosomal\\_vesicles\\_containing\\_ondansetron\\_hcl\\_for\\_trans\\_mucosal\\_nasal\\_drug\\_delivery-2020.pdf](https://scholar.cu.edu.eg/sites/default/files/mahmoud-teaima/files/2020formulation_and_evaluation_of_niosomal_vesicles_containing_ondansetron_hcl_for_trans_mucosal_nasal_drug_delivery-2020.pdf)
  - 17- Dalia Abd El-Rhman, Mohamed A. El-Nabarawi, Sally A. Abdel-Halim and **Doaa A. Helal**. Pharmaceutical Studies On Fluconazole Topical Emulgel. Indian streams research journal. Vol 4 Issue 5:1-14. (2014) <https://innovareacademics.in/journal/ijpps/Vol4Suppl5/4593.pdf>
  - 18- **Doaa A. Helal**, Dalia Abd El-Rhman, Sally A. Abdel-Halim, Mohamed A. El Nabarawi. Formulation and Evaluation of Fluconazole Topical Gel. International Journal of Pharmacy and Pharmaceutical Sciences. Vol 4, Suppl 5,176-183. (2012).

**(b) Other Publications**

- Rehab Bahy, **Doaa A. Helal**. Evaluation of the Antimycotic activity of Terconazole proniosomal Gel. Egyptian Journal of Medical Microbiology (2022).

**(c) Publication under reviewing**

- A Gel Preparation of Hagar AL-Sada Improves Premature Ejaculation in a Cohort of Premature Ejaculation Patients.
- Clotrimazole Modified Nanosponges Gel For Spermicidal Action And Treatment of Vaginal Candidiasis: Optimization, In-Vitro

**G) Skills**

- Language Skills: French – English
- Computer Skills: ICDL certified
- Presentation skills: TOT certified