

Ahmed Abdelfattah Mohamed Ahmed

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ACADEMIC QUALIFICATIONS

2021: Master of Pharmaceutical Sciences (Pharmaceutical Technology and Industrial Pharmacy), Faculty of Pharmacy, Assiut University, Egypt, Very good with honor's grade.

2015: Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, Egypt, Excellent with honor's grade (ranked the 1st among 273 graduates).

CAREER AND ACADEMIC POSITIONS

April 2021-Present:

- Assistant lecturer at Industrial Pharmacy Department, Faculty of Pharmacy, Assiut University, Egypt:
 - Teaching assistant in postgraduate and undergraduate courses of Industrial Pharmacy and Pharmaceutical Technology.
 - Research associate in several research projects conducted under the supervision of the department's head:
 - ❖ Formulation and evaluation of Rofecoxib-Aspirin novel combinational tablets for normalizing Rofecoxib's effect on the platelet function with consequent higher tolerability in patients with cardiovascular diseases
 - ❖ Formulation and evaluation of Atorvastatin calcium-Trimetazidine HCl sublingual tablets for combined anti-hyperlipidemic and anti-anginal effects.
 - Member of Quality Assurance Unit, Faculty of Pharmacy, Assiut University, Egypt.

December 2016-March 2021:

- Demonstrator at Industrial Pharmacy Department, Faculty of Pharmacy, Assiut University, Egypt:
 - Teaching assistant in undergraduate courses of Industrial Pharmacy and Pharmaceutical Technology.

- M.Sc. student (Industrial Pharmacy and Pharmaceutical Technology Course), Department of Industrial Pharmacy, Faculty of Pharmacy, Assiut University, Egypt:
 - **Thesis entitled:** “*Preparation and Evaluation of Silver Nanoparticles containing Anticancer Drug*”
 - **Advisors:** Prof. Ahmed E. Aboutaleb, Prof. Sayed I. Abdel-Rahman, Associate Prof. Hesham M. Tawfeeq
 - **Research theme and outcomes:**
 - Preparation and *in vitro* evaluation of multifunctional coated silver nanoparticles for the highly-selective delivery of Doxorubicin
 - Formulation and *in-vitro* evaluation of coated silver nanoparticles loaded with Doxorubicin as drug delivery system for cancer therapy.
 - Comparative *in-vivo* release and cytotoxicity studies on the new formulations in comparison with the free (unloaded) Doxorubicin.

October 2015-November 2016:

- Pharmacist at the Egyptian Military Medical Services

EDUCATION AND TRAINING

Sep 2017–21 Jun 2018:

- Second part of master program (very good with Degree of honor)
- **These courses were studied: -**
 - Advanced industrial pharmacy
 - Recent drug delivery system
 - Stability of solutions
 - Tablet technology

Sep 2017–21 Jun 2018:

- The first part of master program (pre-master).
- **These courses were studied: -**
 - Instrumental analysis
 - Physical chemistry
 - Molecular biology
 - Statistics
 - Lab safety

TEACHING EXPERIENCE

- ❖ Responsible for teaching and evaluation of the practical part of Pharmaceutics courses for fourth year's undergraduate students at Faculty of Pharmacy, Assiut University.
- ❖ Responsible for teaching and evaluation of the practical part of Pharmaceutical Manufacturing elective course for fourth year's undergraduate students.
- ❖ Responsible for teaching and evaluation of the practical part of the following courses, for the Clinical Pharmacy program undergraduate students: - Physical pharmacy- Dosage Forms- Tablet technology -Target organ drug delivery - Manufacturing of capsules - Introduction to nanoparticles

BASIC EXPERIMENTAL SKILLS

- Nanomedicines.
- Tumor delivery.
- Mice injections (IV, IP, intra-hepatic, SC).
- Tablet formulation.
- FT-IR.
- Uv-Vis spectroscopy
- Compatibility studies.
- HPLC.
- Powder X-ray diffractometry (P-XRD).
- Nanoprecipitation.
- Characterization of nanosystems.
- Cell cultures.
- Oral drug delivery.
- Controlled-release delivery systems.
- Dissolution studies.
- Microparticle technology.
- Mini-tablet technology.
- Capsules.

RESEARCH INTERESTS

- Gene delivery.
- Liposomes.
- Nanoparticulate and microparticulate drug delivery systems.
- Tumor delivery.
- Liver diseases.
- Active targeting.
- Tablet technology.

PATENTS

1. *“Novel Rofecoxib/ Acetyl salicylic acid Oral Tablet Combination with a Higher Safety in Patients having Cardiovascular Disorders”*. Submitted to Egyptian Patent Office, Cairo, Egypt (Application number: 2019-1861), 2019/11/24.

PUBLICATIONS

Google Scholar URL: <https://scholar.google.com/citations?user=wrhvAzkAAAAJ&hl=en>

- Journal articles:

1. Abdellatif, Ahmed A. H., Hesham M. Tawfeek, **Ahmed Abdelfattah**, Gaber El-Saber Batiha, and Helal F. Hetta, Recent updates in COVID-19 with emphasis on inhalation therapeutics: Nanostructured and targeting systems. *Journal of Drug Delivery Science and Technology*, 2021. 63: p. 102435.
2. Noha N. Atia, Hesham M. Tawfeek, Azza H. Rageh, Marwa R. El-Zahry, **Ahmed Abdelfattah**, Mahmoud A. Younis. *Novel sublingual tablets of Atorvastatin calcium/Trimetazidine hydrochloride combination; HPTLC quantification, in vitro formulation and characterization*. *Saudi Pharmaceutical Journal*, 27(4), 540-549, 2019.

- Conference presentations:

1. **Ahmed Abdelfattah**, Ahmed E. Aboutaleb, Sayed I. Abdel-Rahman, Abu-Baker M. Abdel-Aal, Hesham M Tawfeek. *Preparation and Evaluation of Decorated Silver Nanoparticles Containing Anticancer Drug*. The 12th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut university (4th&5th November 2020).

LANGUAGE SKILLS

- **English:** Academic IELTS, IDP, April 2021 (overall score 6.5).
- **Arabic:** Mother language

Software SKILLS

- GraphPad prism.
- Image J.
- Endnote.
- SPSS.
- BioRender.
- **International Computer Driving License (ICDL), UNESCO, 2011:**
 - Information and Communication Technology (ICT).
 - Using the Computer and Managing Files Using Microsoft Windows Operating System.
 - Microsoft Office Word.
 - Microsoft Office Excel.
 - Microsoft Office Power Point.
 - Microsoft Office Access (Using Databases).
 - Microsoft Office Outlook (Web Browsing and Communication).

TRAINING AND WORKSHOPS

- October 2020:** "Student Evaluation" Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
- October 2020:** "Research Ethics" Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
- July 2017:** "Training Course " The Pharmaceutical Plant of ACDIMA INTERNATIONAL TRADING (AIT) Company, 6th October City, Egypt.
- February 2017:** "University Teacher Preparation" Faculty of Education, Assiut University, Egypt.
- January 2017:** "Strategic Planning" Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
- January 2017:** "Communication Skills" Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.

RELATED WEBSITES

- Research Gate:** <https://www.researchgate.net/profile/Ahmed-Abdelfattah-3>
- Assiut University:** <https://life.aun.edu.eg/pharmacy/ar/ahmed-abdelfattah-mohamed-ahmed>

REFERENCES

1. Professor **Mahrous O. Ahmed**, Professor of Industrial Pharmacy, Faculty of Pharmacy, Assiut University, Egypt.
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2. Professor **Hesham M. Tawfeek**, Professor and Head of Industrial Pharmacy Department, Faculty of Pharmacy, Assiut University, Egypt.
E-mail: hesham.hassan@pharm.aun.edu.eg; Tel:+2-01094246149