

Sahar Abdelnasser Mohammed Omran

Address: Department of Industrial Pharmacy, Faculty of Pharmacy, Assiut University, Assiut 71526, Egypt

Telephone: Mobile +20 1012549249

Work +2-088-2411855

E-mail: Sahar_Abdelnasser@pharm.aun.edu.eg

drsahar666@gmail.com

Pharmacist_sahar11@yahoo.com



ACADEMIC QUALIFICATIONS

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

2014: Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, Egypt, Excellent with honor's grade (ranked the 12th among 823 graduates).

CAREER AND ACADEMIC POSITIONS

November 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.

June 2016-October 2021:

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

December 2015- June2016:

- **Hospital Pharmacist** at The Egyptian Ministry of Health, Sohag ,Egypt.

June 2014- December 2016:

- **Community Pharmacist** at dr. Ahmed Farrag pharmacy, Sohag, Egypt.

EDUCATION AND TRAINING

September 2016 – October 2021:

- M.Sc. student of Pharmaceutical Sciences (Industrial Pharmacy and Pharmaceutical Technology Course), Department of Industrial Pharmacy, Faculty of Pharmacy, Assiut University, Egypt.
 - **Thesis entitled:** “*Formulation and Evaluation of Simvastatin Mucoadhesive tablets and films, and In-situ gels for Treatment of Periodontal Diseases*”

- **Advisors:** Prof. Ahmed E. Aboutaleb, Prof. Aly A. Abdel-Rahman, Prof. Sayed I. Abdel-Rahman.
- **Research theme and outcomes:**
 - Formulation of sustained release local drug delivery systems loaded with simvastatin (in-situ gels and intrapacket films), which is suitable for intrapacket administration.
 - Formulation of systemic mucoadhesive tablets of simvastatin to avoid first pass metabolism and increase its bioavailability.
 - Compare the local and systemic effect of simvastatin on management of periodontal diseases
 - Comparative in-vivo bioavailability and bioequivalence studies on the new formulations in comparison with the commercially-available oral tablets; Corvast®.

Sep 2017– Jun 2018:

- The 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

Assiut University, Assiut (Egypt)

Sep 2016– Jun 2017:

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

Assiut University, Assiut (Egypt)

Sep 2009 – Jun 2014:

- Bachelor of Pharmaceutical Sciences, (Excellent with degree of honor GPA88.44%the 12th in my year; among the top 1.5 %), Faculty of Pharmacy, Assiut University, Egypt.

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

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| - ELISA technique | - Bioequivalence studies |
| - Hydrogels. | - Topical drug delivery |
| - Pharmacokinetic analysis. | - Shelf and accelerated Stability studies of formulations. |
| - Colorimetric technique. | - Microparticle technology. |
| - Oral drug delivery. | - Tablet formulation. |
| - Controlled-release delivery systems. | - Capsules. |
| - Kinetics of drug release. | - Dissolution studies. |
| - Solid dispersion technology. | - Solubility studies. |
| - Compatibility studies. | - Adsorption studies. |
| - HPLC. | . Mice injections (IV, IP, intra-hepatic, SC). |
| - Powder X-ray diffractometry (P-XRD). | - Differential Scanning Calorimetry (DSC). |
| - FT-IR. | - UV-Vis spectroscopy. |

RESEARCH EXPERIENCE

- Formulation and evaluation of new drug delivery systems.
- Modified release drug delivery systems.
- Clinical assessment of new drug delivery systems.
- Microparticles and hydrogel preparations.
- In-vivo evaluation of drug delivery systems in animal models.
- How to handle and proper use of experimental animals.
- Mice injections (IV, IP, intra-hepatic, SC).

RESEARCH INTERESTS

- Gene delivery.
- Liver diseases.
- Liposomes.
- Nanoparticulate and microparticulate drug delivery systems.
- Active targeting.
- Tumor delivery.
- Combinational formulations for integrative therapy.

LANGUAGE SKILLS

- Arabic: Mother language.
- English: Excellent.

PERSONAL SKILLS

- Fluent in reading, writing and speaking English.
- Browsing and searching in the internet.
- Motivated and Flexible to work hard under pressure.
- Good communication and team-working skills gained through my expertise as a teaching assistant and a member of scientific research group.
- Good skills in dealing with others, especially at work. Through participation in student activities, working in academia and working as a part of a scientific research team.
- Ability to work under pressure.
- Ability to work in a team.
- Good academic writing skills.

Software SKILLS

- Graph-pad prism.
- SPSS.
- Image J.
- Endnote.

March 2013: International Computer Driving License (ICDL), UNESCO,

- 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

September 2021:	<i>"Code of Ethics"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
September 2021:	<i>"Quality standards in Teaching"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
September 2021:	<i>"Publication of Research in International Journals"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
March 20221:	<i>"Analytical Thinking and Creativity in Teaching"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
March 2021:	<i>"Communication Skills"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
March 2021:	<i>"Ethics of Scientific Research"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
March 2019:	<i>"Workshop on Using EndNote to Insert Citations and Create a Bibliography"</i> Information Technology Unit, Faculty of Pharmacy, Assiut University.
November 2018:	<i>"Workshop on Basic Research Skills"</i> , Drug Research Center, Assiut University, Assiut, Egypt.
September 2018:	<i>"Workshop on How to Register, to Use SciFinder"</i> , Information Technology Unit, Faculty of Pharmacy, Assiut University.
February 2017:	<i>"Preparation of The University Teacher"</i> Faculty of Education, Assiut University, Egypt.
January 2017	<i>"Strategic planning"</i> Faculty and Leadership Development Center (FLDC), Assiut University, Egypt.
October 2018:	<i>"How To Cope with Scientific Literature; Endnote, Read Cube and Google scholar"</i> Faculty of Pharmacy, Assiut University, Egypt.
April 2014:	<i>"The Pharmacist Skills Development program (PSDP)"</i> Faculty of pharmacy, Assiut University, Egypt.
December 2013:	<i>"OTC As It Should Be"</i> "Association of Assiut Pharmacists and Key of Distinction Co. for training and development.
April 2012:	<i>"Clinical Pharmacy Course"</i> Witch contain (Cancer Chemotherapy, Diabetes, Osteoarthritis, Gout, Alopecia &

	Acne). Faculty of Pharmacy, Assiut University, Egypt.
November 2011:	“ <i>Clinical Pharmacy Course</i> ” Egyptian Pharmacist Syndicates, Egypt

SCIENTIFIC EVENT ORGANIZATION

November 2020:

Assiut University 12th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (participant).

April 2018:

Assiut University 11th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (Audient).

April 2016:

Assiut University 10th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (Audient).

March 2014:

Assiut University 9th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, Egypt (Audient).

MEMBERSHIPS

December 2014 - Present: Member of Egyptian Syndicate of Pharmacists, Egypt.

REFERENCES

1. Professor Sayed I. Abdel-Rahman, Head of of Pharmaceutics and Industrial Pharmacy Department, Faculty of Pharmacy & Pharmaceutical Industries, Deraya University, New Minya City, Egypt.
E-mail: sayed.hassan@pharm.aun.edu.eg sayedboody95@gmail.com
2. Professor Mahrous O. Ahmed, Professor of Industrial Pharmacy, Faculty of Pharmacy, Assiut University, Egypt.
E-mail: mahrous.mostafa@pharm.aun.edu.eg momahrous59@yahoo.com
3. Dr. Hesham M. Tawfeek, Associate Professor and Head of Industrial Pharmacy Department, Faculty of Pharmacy, Assiut University, Egypt.
E-mail: hesham.hassan@pharm.aun.edu.eg heshamtawfeek79@gmail.com