



## **Sheryhan Farghaly Gad Ahmed, Ph.D.**

**Current position:** Assiut University, Faculty of Pharmacy, Pharmaceutical Dept.,  
71526 Assiut (Egypt), WhatsApp: (+2) 01062048224, E-mail: [shgad@aun.edu.eg](mailto:shgad@aun.edu.eg);  
[sheryhan\\_farghaly@yahoo.com](mailto:sheryhan_farghaly@yahoo.com)

### **EDUCATION**

**Ph.D.** in pharmaceutical sciences (Pharmaceutics) May 2018  
Assiut University, Assiut, Egypt  
Title of Thesis: “Development and characterization of surface-coated docetaxel  
nanocrystals for delivery to tumors”.  
Advisor: Dr. Yoon Yeo, Purdue University, West Lafayette, IN.

**M.Sc.** in Pharmaceutical Science (Pharmaceutics) July 2012  
Assiut University, Assiut, Egypt  
Title of Thesis: “Preparation and Evaluation of  
Controlled Release Ketoprofen Oral Formulations”  
Advisor: Prof. Sozan Shawky Tous

**B.Sc.** in Pharmacy July 2007  
Assiut University, Assiut University, Egypt  
Grade: Excellent with Honor degree (89.43%) “the 3<sup>rd</sup> on 600 students”

### **PROFESSIONAL EXPERIENCE**

**Postdoctoral Research Associate** Jan 2020- Present  
Department of industrial and physical pharmacy  
Purdue University, West Lafayette, IN, USA

**Assistant Professor** Jun. 2018 – Jan. 2020  
Department of Pharmaceutics,  
Faculty of Pharmacy, Assiut University, Egypt

**Visiting Research Scholar** (Advisor: Dr. Yoon Yeo) Jan. 2016 – Dec. 2016  
Department of Industrial and Physical Pharmacy,  
Purdue University, West Lafayette, IN, USA

**Visiting Research Scholar** (Advisor: Dr. Giovanni M. Pauletti) Dec. 2014 – Jan. 2016  
Department of Biopharmaceutics and Pharmacokinetics  
University of Cincinnati, Cincinnati, OH, USA.

**Assistant Lecturer** Aug. 2012 – Dec. 2014  
Department of Pharmaceutics,  
Faculty of Pharmacy, Assiut University, Egypt

**Teaching assistant** Dec. 2007- Jul. 2012  
Department of Pharmaceutics,  
Faculty of Pharmacy, Assiut University, Egypt

## AWARDS

1. Faculty of Pharmacy, Assiut University, Excellent grade Award 2002-2007
2. Two years scholarship from the Egyptian Government to study for PhD in USA (December 2014 to December 2016).
3. Assiut University best scientific thesis Award, PhD thesis, 2020.

## PUBLICATIONS

1. **Gad, F. S**, Vasiukhina, A., Solorio, L., Yeo, Y. Nanoparticles for opioid abuse Deterrence. (2021) (In preparation).
2. Chen, Yun-Chu, **Sheryhan F. Gad**, Dhawal Chobisa, Yongzhe Li, and Yoon Yeo. **Local drug delivery systems for inflammatory diseases: Status quo, challenges, and opportunities.** J. Control Rel. 330 (2021): 438-460.
3. Abd Ellah, Noura H; **Gad, Sheryhan F**; Muhammad, Khalid; Batiha, Gaber E; and Hetta, Helal F, "Nanomedicine as a promising therapeutic approach for COVID-19" (2020). *Books and Book Chapters*. 6. [https://scholarworks.uaeu.ac.ae/uaeu\\_books/6](https://scholarworks.uaeu.ac.ae/uaeu_books/6)
4. Abd Ellah NH, **Gad SF**, Muhammad K, E Batiha G, Hetta HF. Nanomedicine as a promising approach for diagnosis, treatment, and prophylaxis against COVID-19. *Nanomedicine*. 2020 Sep;15(21):2085-102.
5. **Sheryhan F. Gad**, Park J, Park JE, Fetih GN, Tous SS, Lee W, Yeo Y. Enhancing docetaxel delivery to multidrug-resistant cancer cells with albumin-coated nanocrystals. *Mol. Pharm.* 2018.
6. **Sheryhan F. Gad**, Gihan N. Fetih, Sozan S. Tous, and Giovanni M. Pauletti, Fabrication of Lipid-Coated Chitosan Nanoparticles, *Br. J. Pharm. Res.* 2016 ;13(1),1-8.
7. S.Tous, M.Fathy, G.Fetih, **Sheryhan F.Gad**, Preparation and evaluation of ketoprofen-loaded calcium alginate beads, *Int. J. PharmTech Res.* 2014; 6(3): 1100-1112.

## CONFERENCES AND POSTER PRESENTATIONS

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|------------|--|
| Oct. 2021  | <b>AAPS PharmSci 360</b> , Nanoparticles for opioid abuse Deterrence. An abstract and poster presentation  |
| July. 2021 | 2021 <b>CRS virtual annual meeting</b> , Ionic liquid of Ketoprofen-Piperine modulates drugs' solubility, lipophilicity and anti-inflammatory effect. ( <b>Poster participant</b> ), (no.3570321). |
| Nov. 2018  | Basic Research Skills Workshop   |
| June 2016  | Pharmaceutics Graduate Student Research Meeting ( <b>PGSRM</b> ) conference, School of pharmacy, university of Missouri-Kansas City ( <b>Poster presentation</b> ).                                |
| March 2014 | Assiut University 9th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut ( <b>Participant</b> )   |
| March 2012 | Assiut University 8th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut ( <b>Poster Presentation</b> )   |
| March 2010 | Assiut University 7th Pharmaceutical Sciences Conference, Faculty of   |

	Pharmacy, Assiut ( <b>Participant</b> ).
July 2008	Workshop on "Clinical Pharmacy and First Aid", Department of pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut. ( <b>Training Staff</b> )
March 2008	Assiut University 6th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut ( <b>participant</b> ).

### **TEACHING EXPERIENCE AND RESPONSIBILITIES**

- Responsible for teaching and evaluation of the following courses for undergraduate and postgraduate students in Pharmaceutics department, Faculty of Pharmacy, Assiut University:

<b>Course</b>	<b>Year</b>
1- Molecular Biology, Premaster Course, Postgraduate Students	2018
2- Pharmaceutics II and Biopharmaceutics and basic Pharmacokinetics, 3 <sup>rd</sup> year students.	2018
3- Clinical Pharmacokinetics (practical part), Diploma course, postgraduate students.	2012-2013
4- Radio pharmacy (practical part), Elective course, 4 <sup>th</sup> year undergraduate	2011-2014
5- Practical pharmacy courses for undergraduate clinical pharmacy students: <ul style="list-style-type: none"> <li>• Clinical Pharmacokinetics</li> <li>• Clinical Pharmacy-1</li> <li>• Hospital Pharmacy</li> <li>• Therapeutics-1</li> </ul>	2010-2014
6- Practical Pharmaceutics <b>courses</b> for 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year pharmacy undergraduate students.	2007-2014

### **SKILLS**

- **Languages:** Arabic (native), English (TOEFL (iBT))
- **Communication Skills:** gained through my work experience as demonstrator, assistant lecturer, and lecturer, contact with students gained through teaching.
- **Mentoring skills:** Directing the undergraduate students for the enrolment into clinical pharmacy courses

### **COURSES AND ATTENDANCE PROGRAMMES**

<b>Postgraduate courses for PhD Degree</b> Faculty of Pharmacy, Assiut University, Assiut, Egypt	Sep. 2012- Jul. 2013
<b>Courses included:</b> Nanomedicine, Tumor Targeting, Molecular Pharmaceutics Score: Excellent grade.	
<b>Postgraduate courses For Master degree</b> Faculty of Pharmacy, Assiut University, Assiut, Egypt	Jul. 2008-Jul. 2010

General Courses: Instrumental Analysis, Physical Chemistry, Mathematics & Statistics, Laboratory Safety & Waste Disposal.

Special Courses: Kinetic principles in pharmaceutical dosage forms, Modern systems in drug delivery, pharmaceutical technology

Score: Excellent grade (93.5%).

### **TRAINING COURSES**

2021	Basic rodent handling/Restraint, basic injections, and tail vein injections
2016	Purdue University, Biosafety training course
2015	Purdue University, Lab Safety Fundamentals
2015	OSHA/Lab Compliance Training, Hazard Communication Training, Hazardous Waste Training, Bloodborne Pathogens Training.
2014	Conference Organization, Code of Ethics, how to complete for research fund, Student evaluation.
2012	University Administration, E-Learning
2011	Quality Standards in Teaching 1, Research Team Management
2008	Teaching with Technology, Communication skills, Financial and legal Concerns, Teacher Preparation
2007	Effective presentation
2006	Training in a local community pharmacy (300 hours)

### **SOCIAL ACTIVITIES**

- Leader of “charity and money raising team” that was responsible for collect money and supplies for cancer people in different areas e.g. 57357 hospital in Cairo, Egypt, Cancer institute in Assiut, Egypt, 2013-2014.
- Organizer of several visits to Elshimaa orphanage in Assiut (charity organization), where food, clothes supplies were provided; Playing with little orphans and organize several parties for those children. 2011-2012.