



# Mirhan Mostafa Gamal Mohamed

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## PROFESSIONAL SUMMARY

Enthusiastic Pharmaceutics Lecturer eager to contribute to team success through attention to detail and excellent organizational skills. Proficient in developing new lessons and activities to expand learning opportunities. Extensive participation on committees and extra-curricular activities. Clear understanding of pharmaceutical dosage forms formulation, bioavailability studies, data collection and training, in data interpretation and analysis. Skilled in clinical research, life sciences, clinical trials & GMP. Motivated to learn, grow and excel in research projects as well as empowering student engagement & learning.

## SKILL HIGHLIGHTS

- Attention to detail
- Team player with strong Interpersonal skills and conflict management
- Quantitative drug analysis
- Medical writing
- Maintaining standards
- Active learning
- Time Management
- Presentation skills
- Coaching and development
- Strong Communication skills
- Agile Mindset with ability to quickly adapt to dynamic situations
- Critical thinking and problem solving.
- Dependability

## EDUCATION

[September 2013]

**Masters (M.Sc.) in Pharmaceutical sciences: Pharmaceutics: Faculty of Pharmacy - Helwan University, Egypt**

-Thesis: "Formulation and evaluation of certain transdermal drug delivery systems"

[June 2006]

**Bachelor of Pharmaceutical Sciences - Graduated with 90.25% Excellent with honors: Faculty of Pharmacy - Helwan University**

## **COURSES TAUGHT**

### **College of Pharmacy - University of Sharjah, UAE**

**01/2022 -  
current**

- Pharmaceutics I B: [Formulation & characterization of solid dosage forms, Quality control tests for tablets & capsules, Characterization of powder flow & particle size analysis, tableting & coating]
- Pharmaceutical Calculations: [Conversions, dose calculation, reducing & enlarging formulas, labelling, Instruments for measurement & abbreviations]
- Pharmaceutics II B: [Rate and order of Reaction Kinetics & Drug Stability, Isotonicity adjustment]
- Pharmaceutics A: [Pharmaceutical calculations, Formulation of liquid dosage forms (Solutions), Physical pharmacy experiments as partition behavior & factors affecting solubility]
- Pharmaceutics 1A: disperse systems and semisolids such as suspensions, emulsions, microemulsions, gels, ointments, & formulation principles of suppositories
- Pharmaceutics 2A: Pharmacokinetics of IV and extravascular administrations; Compartmental PK modelling; Hepatic and renal clearance; Bioequivalence.

**02/2018 -  
05/2018**

### **College of Pharmacy - University of Sharjah, UAE**

- Pharmaceutics A: [Pharmaceutical calculations, Formulation of liquid dosage forms (Solutions), Physical pharmacy experiments as partition behavior & factors affecting solubility]
- Pharmaceutics B: [Colligative properties, micellar solubilization, Interfacial phenomena, Isotonicity]

**10/2013 -  
12/2017**

### **Faculty of Pharmacy - Helwan University, Egypt**

- Drug Pharmacokinetics & biopharmaceutics, chemical kinetics & drug stability, rate & order of reaction.
- Cosmetics [Quality control tests, additives]
- Formulation & characterization of liquid dosage forms [solutions & suspensions]
- Drug Interaction and incompatibilities with case studies
- Advanced drug delivery systems [nanoemulsion, transdermal drug delivery, liposomes & nanoparticles]

**03/2007 -  
09/2013**

### **Faculty of Pharmacy - Helwan University, Egypt**

- Formulation & characterization of liquid dosage forms [solutions & suspensions]
- Formulation & characterization of semi solid dosage forms [creams, ointments]
- Solid dosage forms & their quality control tests [tablets & capsules], coating, granulation, characterization of powders.
- Physical pharmacy experiments (as CMC, Phase equilibrium)
- Pharmaceutical Calculations: [Conversions, dose calculation, reducing & enlarging formulas, labelling, Instruments for measurement & abbreviations]

## **WORK EXPERIENCE**

**08/2022 -  
current**      **Full-time Lecturer in Department of Pharmaceutics & Pharmaceutical technology – College of Pharmacy, University of Sharjah, UAE**

**01/2022 –  
05/2022**      **Part-time Lecturer in Department of Pharmaceutics & Pharmaceutical technology – College of Pharmacy, University of Sharjah, UAE**

Responsibilities:

-Teaching Hybrid, developing lecture plan, setting exams & grading the following practical lab courses and tutorials:

- Pharmaceutical calculations
- Formulation & Characterization of solid dosage forms (characterization of powder flow, Quality control tests of tablets and capsules, tableting & coating)
- Formulation & characterization of liquid dosage forms and necessary dose calculations methodology
- Physical pharmacy
- Drug pharmacokinetics and stability

-Uploading content on Blackboard and preparing lab reports for each course

- Regularly checking the requirements (chemicals, glassware, equipment & machinery) for each practical session being available.

**02/2018 –  
05/2018**      **Part-time Lecturer in Department of Pharmaceutics & Pharmaceutical technology – College of Pharmacy, University of Sharjah, UAE**

Responsibilities:

- Delivering laboratory practical session in various subjects like: physical pharmacy, Pharmaceutical calculations, Formulation & characterization of liquid dosage forms
- Fostered team collaboration between undergraduate students through group projects for courses of physical pharmacy and liquid dosage forms.
- Setting, developing and grading of final practical exams and providing statistical analysis of grades.
- Evaluated and revised lecture plan and course content to facilitate and moderate discussions via student centered learning.
- Worked cooperatively with department Professors, lecturers and instructors to help students reach learning objectives and in-depth knowledge.

**10/2013 –  
12/2017**      **Assistant Lecturer in Department of Pharmaceutics & Industrial Pharmacy – Faculty of Pharmacy, Helwan University, Egypt**

Responsibilities:

- Delivering lectures and developing content of the following theoretical & practical courses as: Physical pharmacy, Biopharmaceutics, drug Pharmacokinetics & stability, Drug interaction & incompatibilities, Industrial pharmacy, Sterile dosage forms, Cosmetics, pharmaceutical calculations & conversions, Formulation & Characterization of solid dosage forms, formulation of liquid and semisolid dosage forms.
- Preparing Clinical case problems for case –based learning
- Invigilating examinations
- Participation in Faculty Committees and perform related duties as assigned.
- Preparing course files and learning objective for each course to be submitted for Accreditation Project.
- Developing curricula and advancing topics to match ongoing new pharmaceutical advancements & current market needs
- Keeping inventory stock, ordering and purchasing chemicals and glassware.
- Participating in quality assurance team to meet regulatory and reaccreditation requirements for Bachelor of Pharmacy program by coordinating documentation and filings.
- Arranging educational activities by organizing seminars & workshops on campus bringing representatives from pharmaceutical companies to expose students to different job sectors in the market.
- Organizing educational visits for students to pharmaceutical factories and hospitals to increase awareness regarding jobs in the field of industrial pharmacy and Clinical pharmacy

**03/2007 –  
09/2013**

**Instructor in Department of Pharmaceutics & Industrial Pharmacy – Faculty of Pharmacy, Helwan University, Egypt**

Responsibilities:

- Teaching the practical section, preparing assignments for the following courses:
  - Clinical Pharmacokinetics & Biopharmaceutics
  - Industrial Pharmacy
  - Physical Pharmacy.
  - Solid and Semisolid Dosage forms
  - Liquid Pharmaceutical Dosage forms.
  - Cosmetics.
- Setting up laboratory equipment and ensuring their well-functioning status
  - Calibration of laboratory instruments
  - Organize inventory, and maintaining facilities.
  - Participated in Continuous Improvement and Qualification for Accreditation Program (CIQAP) in Faculty of Pharmacy - Helwan University (2007-2012) with the following duties:
    - Participated in preparing interdepartmental plan for reallocating the budget to purchase new machinery and equipment for the Faculty.
    - Documenting and establishing course files, learning outcomes and the measurement criteria for their fulfillment.

**LABORATORY SKILLS & RESEARCH EXPERIENCE**

- Experienced in handling the following laboratory instruments:
  - Quantitative Analysis of Drugs using High Pressure Liquid Chromatography
  - LC/MS Mass Spectroscopy
  - UV Spectrophotometry.
  - Dissolution testers
  - Hardness tester
  - Tablet Friability tester
  - Autoclave
  - Diffusion cells
  - Ultrasonicator
  - Cooling centrifuge
  - Microscopes
  - pHmeter
  - -80°C Deep freezer
  - Rotary evaporator
  - High speed homogenizer
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- Conducted skin permeation studies which led to development of transdermal drug delivery dosage form.
  - Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
  - Validated incoming data to check information accuracy and integrity while independently locating and correcting concerns.
  - Evaluated potential subject participants to assess suitability for planned studies.
  - Used GraphPad Prism to enter data into project database and provided updates on timely manner
  - Bioavailability Studies.
  - Stability Testing.
  - Conducted clinical pharmacokinetics studies.

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**LANGAUAGES**

**English** – Fluent in speaking, writing and reading  
**French** – Fluent in speaking, writing and reading  
**Arabic** – Mother tongue

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**PUBLICATION** “Bioavailability and Hypo-Cholesterelmic effect of Proniosomal Simvastatin for Transdermal Delivery“

International Journal of Pharmacy and Pharmaceutical Sciences  
Vol 5, Issue 4, 344-35.

**IT SKILLS**

- Blackboard
  - Windows with professional use of Microsoft Office package: [Microsoft Word, Excel, Power point]
  - Microsoft teams and Zoom webinars
  - Internet
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## **CERTIFICATIONS**

- **IELTS (7.5)**
  - **International TOEFL (104)**
  - Training course "Clinical Practice for Pharmacists"  
**(Clinical Pharmacology).**
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## **CONFERENCES ATTENDED**

- **DUPHAT**, Feb 2019
  - **4th Abu Dhabi Pharmacy Conference: ADPHAC**  
2019, April 2019
  - **6<sup>th</sup> Annual GCC Pharmacy Congress**, Oct 2019
  - **Big Data in Genomics Webinar**, June 2021
  - **9th Pan Arab Human Genetics Conference**: 8-9  
December 2021
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## **PERSONAL DETAILS**

Date of Birth: 12/06/1984  
Place of Birth: Cairo, Egypt  
Nationality: Egyptian  
Marital Status: Married  
Current Location: UAE (Resident)  
Address: Arabian Ranches 1, Al Reem 3, Villa 7, Dubai – UAE

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## **REFERENCES**

References available on request