



## **Mai Adel Mohammad**

lecturer of Organic and Medicinal chemistry

Faculty of Pharmacy,

Ain Shams University in Egypt,

Address: 5, Emtdad Ramsees, Nasr City, Cairo, Egypt

Mobile: 002-0111-9409008

E-mail: mai.adel@Pharma.Asu.edu.eg

---

### **Education:**

- **PhD** in pharmaceutical sciences (pharmaceutical chemistry), Faculty of Pharmacy, Ain Shams University (2017).
- **Master** in pharmaceutical sciences (pharmaceutical chemistry), Faculty of Pharmacy, Ain Shams University (2013).
- **Bachelor** of Pharmaceutical Sciences, Faculty of Pharmacy, Ain Shams University (2006), with a final cumulative grade of **Excellence with grade of Honor**.

### **Professional and Scientific Experiences:**

- Currently working at pharmaceutical chemistry department in faculty of pharmacy, Ain Shams University as a full-time Lecturer since June 2007 up till now.
- Working as a pharmacist at community pharmacy.
- Working at pharmaceutical chemistry department in faculty of pharmacy, Russian University as a part-time Lecturer since 2019 up till now

### **Teaching Experience:**

- Teaching Theoretical courses for junior and senior pharmacy students (Bachelor, Drug design program, PharmD and PharmD clinical programs) at Faculty of Pharmacy, Ain Shams University. such as: organic chemistry, Chemistry of heterocyclic compounds, Stereochemistry and spectroscopy, Medicinal Chemistry and Drug Design.
- Teaching Theoretical courses for postgraduates' students in different pharmaceutical fields.
- Preparing presentations with staff members in the most recent research in our field, thus providing us with continual education and up to date medical information.
- Examiner of organic and pharmaceutical chemistry at Ain Shams University.

### **Examination Control:**

- A member in second year, fourth year and finally first level examination control at Faculty of Pharmacy- Ain Shams University since 2018
- A member in Cumulative control at Faculty of Pharmacy- Ain Shams University from 2019- 2021

### **Research Interest:**

- Research interests involve Drug Design, Molecular Modeling, Organic and Medicinal Chemistry.
- Doing research and related practical work in a specified point of research for publishing articles in Organic and medicinal chemistry related journals.
- Supervision of the research points of master and PhD students.

### **Thesis and other supervision:**

- 7 Master and 4 PhD theses ongoing.
- 1 Graduation projects entitled: 2019-2020 : An overview of the different antimicrobials targeting MRSA and their mechanism of action.
- PI of a project titled “Benzimidazole based small molecules targeting resistant Escherichia coli infections” (Call1- Research support- youth grant) (2019-2022)

### **Quality Assurance and others:**

- Member of the Department of Pharmaceutical Chemistry Council – Faculty of Pharmacy – Ain Shams University (2020 – till now)
- Member of community service and environmental development standard of quality assurance unit - Faculty of Pharmacy -Ain Shams University (2018 – till now)
- Head of Questionnaire Committee.
- Department representative of quality assurance from 2021-till now
- Member of the Occupational Safety and Health Committee– Faculty of Pharmacy – Ain Shams (2019 – till now)

### **Publications:**

- 1- Adel M, Serya RA, Lasheen DS, Abouzid KA. Identification of new pyrrolo[2,3-d]pyrimidines as potent VEGFR-2 tyrosine kinase inhibitors: Design, synthesis, biological evaluation and molecular modeling. *Bioorganic chemistry*. 2018 Dec 1;81:612-29.
- 2- Adel M, Serya RA, Lasheen DS, Abouzid KA. Pyrrolopyrimidine, A Multifaceted Scaffold in Cancer Targeted Therapy. *Drug research*. 2018 Feb 12 ; 68(09): 485-498
- 3- Ismail MA, Adel M, Ismail NS, Abouzid KA. Molecular Design, Synthesis and Cell Based HCV Replicon Assay of Novel Benzoxazole Derivatives. *Drug research*. 2013 Mar;34(03):109-20.
- 4- Adel, Mai, and Khaled AM Abouzid. "New fluorinated diarylureas linked to pyrrolo [2, 3-d] pyrimidine scaffold as VEGFR-2 inhibitors: Molecular docking and biological evaluation." *Bioorganic Chemistry* 127 (2022): 106006.
- 5- ElNashar H, Adel M, Elshazly M, Yehia IS, El-Sheshtawy HS, Almalki AA, Ibrahim N. Chemical Composition, Antiaging Activities and Molecular Docking Studies of Essential Oils from *Acca sellowiana* (Feijoa). *Chemistry & Biodiversity*. 2022 Aug 8.
- 6- Dokla, E. M., Abutaleb, N. S., Milik, S. N., Kandil, E. A., Qassem, O. M., Elgammal, Y., ... & Adel, M. (2022). SAR investigation and optimization of benzimidazole-

based derivatives as antimicrobial agents against Gram-negative bacteria. *European Journal of Medicinal Chemistry*, 115040.

### **Courses:**

- Effective teaching skills course from Faculty and Leadership Development Project (FLDP), Ain Shams University.
- Soft Skills course organized by faculty of pharmacy Ain Shams University (Presentation Skills, Communication Skills, Leadership and management)
- Conversation English Courses at the British Council , Cairo, Egypt
- 2008-2018: attended twelve courses for the development of capabilities of Ain Shams University staff members and leadership personnel.
- 
- 2010-2013: attended six courses for the
- April-July 2021, development of capabilities of Ain Shams University staff members and leadership personnel.
- 2022: Accelerate Your Science Research and Education Through JoVE
- 2020: Training on how to use MOODLE
- 2021: Workshop on how to set MCQ exams

### **Training Experiences:**

- Trainee in quality control department in NOVARTIS in 2005.

### **Other Skills:**

- ✓ Highly experienced in the research field.
- Good working experience with Docking programs used in Drug Design (Teaching and Research), specifically Discovery Studio®2.5 (Accelrys Corporation, San Diego) and Field Align 2.1
- Previous work and sample preparation for IR elucidation tool for different compounds.
- ✓ Editing and abstracting research and articles.
- ✓ Good communication skills.
- ✓ Good command of English (both written and spoken).
- ✓ Good translation skill (English – Arabic).
- ✓ Good command of computer skills, such as: Office & internet.

**( Documents are available when requested )**