

# Dalia Mohammed Sherif El Gamil

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123 Banafseg Buildings, 1<sup>st</sup> settlement, Cairo, Egypt



## PROFILE

A committed lecturer with teaching experience in two leading universities, partnered with an over 12 years research in the pharmaceutical and analytical chemistry fields. Holding Doctorate degree in pharmaceutical chemistry. Possessing excellent administrative, verbal communication and written skills along with constructive teaching techniques using app technology and new collaborative platforms that promote an engaging and stimulating learning environment for students. Having a hands-on expertise in operation of state-of-the art analytical devices in addition to fruitful collaborations with high-caliber experts of the field in Germany.



## EXPERIENCE

**Oct 2021 – Present**

**Lecturer of Organic and Medicinal Chemistry**

Faculty of Pharmacy  
Aham Canadian University (ACU)  
Industrial Area, 6<sup>th</sup> of October, Cairo, Egypt

**Sept 2017 – Sept 2021**

**Research assistant in Pharmaceutical chemistry  
Department**

Faculty of Pharmacy and Biotechnology  
German University in Cairo (GUC)  
New Cairo city, Main entrance Fifth settlement, Cairo, Egypt

**Jan 2015 – Sept 2017**

**Researcher**

NAWAH Scientific  
2<sup>nd</sup> floor, Almokattam mall, Street 9, Almokattam, Cairo, Egypt

### **Job description:**

1. Preparing and delivering theoretical and practical hands-on courses for undergraduate and postgraduate students on different analytical devices.
2. Supervising and carrying on different analytical tasks on state-of-the art devices including Puriflash 4100, HPLC, zeta sizer and solid dosage form dissolution apparatus undertaking best performance measures to ensure maximum accuracy and quality.
3. Participating in developing SOPs and suggesting better work flow.
4. Member of the start-up team, contributing to the initial establishment of the analytical unit.

**Sept 2012 – Dec 2014**

#### **Assistant Lecturer in Pharmaceutical chemistry Department**

Faculty of Pharmacy and Biotechnology  
German University in Cairo (GUC)  
New Cairo city, Main entrance Fifth settlement, Cairo, Egypt

**Sept 2010 – Sept 2012**

#### **Teaching Assistant in Pharmaceutical chemistry Department**

Faculty of Pharmacy and Biotechnology  
German University in Cairo (GUC)  
New Cairo city, Main entrance Fifth settlement, Cairo, Egypt



## **EDUCATION**

**Sept 2017 - Jan 2021**

German University in Cairo (GUC)  
Faculty of Postgraduate studies and scientific research:  
Ph.D. student in Pharmaceutical chemistry department.

- Awarded **PhD degree** in Pharmaceutical chemistry with an **A+ grade**
- **Topic of research:** Design and Synthesis of Novel Benzothiophene derivatives and their Biological Evaluation as CLK1 inhibitors.
- **Under supervision of:** Prof. Dr. Ashraf Abadi  
Assoc. Prof. Dr. Mohammad Abdel-Halim  
Assoc. Prof. Dr. Matthias Engel

**Sept 2010 - Jan 2012**

German University in Cairo (GUC)  
Faculty of Postgraduate studies and scientific research:  
M.Sc. student in Pharmaceutical chemistry department.

- Awarded **M.Sc. degree** in Pharmaceutical chemistry with an **A+ grade**
- **Topic of research:** Design and Synthesis of Novel Beta-carbolines with Pendant Heteroaryl as PDE5 Inhibitors and Anticancer Agents.
- **Under supervision of:** Prof. Dr. Ashraf Abadi  
Assoc. Prof. Dr. Nermin Salah

**2005-2010** German University in Cairo (GUC)  
Faculty of Pharmacy and Biotechnology – Class '10

**First Ranked Student for semesters 1-9 with a cumulative GPA of 0.72.**

**1994-2005** British Academy (illi) – Hafr El Baten Language School  
12, Mariouteyya, Haram, Cairo, Egypt

- **Thanaweya Amma Certificate 2004/2005.**
- **9<sup>th</sup> ranked student in Arab Republic of Egypt with grade 100.7%**



## Funds and Publications

- Current member of the research group awarded the **Science and Technology Development Fund (STDF)** project no. 38225 under supervision of Associate Prof. Dr. Mohammad Abdel-Halim, Pharmaceutical Chemistry Department, Faculty of Pharmacy and Biotechnology, German University in Cairo.
- Member of the research group awarded the **Science and Technology Development Fund (STDF)** from April 2011-April 2013 under supervision of Prof. Dr. Ashraf Mostafa Kamal Abadi, Head of Pharmaceutical Chemistry Department, Faculty of Pharmacy and Biotechnology, German University in Cairo.
- **Publications:**
  - 1) El-Gamil DS, Ahmed NS, Gary BD, Piazza GA, Engel M, Hartmann RW, Abadi AH, Design of novel  $\beta$ -carboline derivatives with pendant 5-bromothieryl and their evaluation as phosphodiesterase-5 inhibitors. *Arch Pharm (Weinheim)*. Jan **2013**;346(1):23-33.
  - 2) ElHady, A.K., El-Gamil, D.S., Chen, P.J., Hwang, T.L., Abadi, A.H., Abdel-Halim, M.; Engel, M., 5-Methoxybenzothiophene-2-carboxamides as inhibitors of Clk1/4: optimization of selectivity and cellular potency. *Molecules* **2021**, 26 (4), 1001.
  - 3) El-Gamil DS, ElHady AK, Chen PJ, Hwang TL, Abadi AH, Abdel-Halim M, Engel M.; Development of novel conformationally restricted selective Clk1/4 inhibitors through creating an intramolecular hydrogen bond involving an imide linker. *Eur J Med Chem.* **2022**, 5, 238
  - 4) AK ElHady, DS El-Gamil, AH Abadi, M Abdel-Halim, M Engel; An overview of cdc2-like kinase 1 (Clk1) inhibitors and their therapeutic indications. *Medicinal Research Reviews.* **2022**, (in press)
  - 5) El-Gamil DS, ElHady AK, Chen PJ, Hwang TL, Abadi AH, Abdel-Halim M, Engel

M.; Discovery of novel 5-methoxybenzothiophene hydrazides as metabolically stable Clk1 inhibitors with high potency and unprecedented Clk1 isoenzyme selectivity. *Eur J Med Chem.* **2022**, (in press).



## Additional qualifications, courses and trainings

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|-----------------------------|--|
| <b>Jan 2018- April 2018</b> | <b>Ph.D. related research stay in Pharmaceutical and Medicinal Chemistry department, Saarland University;</b> Saarbrücken, Germany.<br>Under supervision of <b>Assoc. Prof. Dr. Matthias Engel.</b>                    |
| <b>June 2011- Sept 2011</b> | <b>M.Sc. related research stay in Pharmaceutical and Medicinal Chemistry department, Saarland University;</b> Saarbrücken, Germany.<br>Under supervision of <b>Prof. Dr. Rolf W. Hartmann,</b> Chairman of department. |
| <b>February - May 2010</b>  | <b>Community Pharmacy Practice Course (CPC)</b><br>Offered by: <b>GUC – SPSA</b>   |
| <b>July – August 2009</b>   | Pharmaceutical chemistry department in GUC.<br><b>Database Mining Project</b> (Computer-aided drug design)<br>Under supervision of Professor Dr. Ashraf Abadi<br><b>Final evaluation:</b> Excellent.                   |
| <b>September 2008</b>       | Internship in <b>Cancer Hospital for children 57357</b><br>Trainee in Clinical Biochemistry Lab.   |
| <b>August 2008</b>          | Internship in <b>Institute of Biochemistry, Stuttgart University</b><br>Under supervision of Professor Dr. Dieter H. Wolf<br><b>Final evaluation:</b> Very Good  |
| <b>March-May 2008</b>       | German University in Cairo<br>Worked as <b>Junior Teaching Assistant</b> in Organic Chemistry lab  |
| <b>August 2006</b>          | Heinrich-Heine-Universität, IIK Duesseldorf<br>Postfach 260153, 40094 Duesseldorf<br><b>German course</b>  |



## SKILLS

- Excellent at speaking and writing Arabic and English.
- Very good knowledge of Microsoft Word, Microsoft Excel and Microsoft Powerpoint.
- Very good knowledge of software MOE for molecular modelling and drug design.