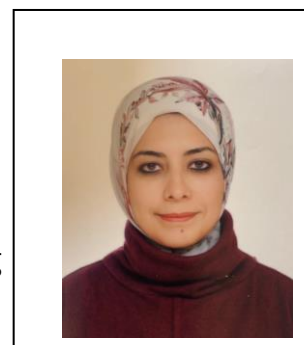


# CURRICULUM VITAE

**Name:** Mona Abdel Aziz Kortam  
**Academic degree:** Associate Professor  
**Department:** Biochemistry  
**E-mail:** mona.kortam@pharma.cu.edu.eg



## Personal Data:

- **Date of birth:** 12<sup>th</sup> of October 1984
- **Marital status:** married
- **Work Address:** Faculty of Pharmacy, Cairo University, Kasr El-Eini Street, Cairo, 11562, Egypt.
- **Home Address:** 125/34 Mohamed el Maqreef Street.

## Educational Degrees

May 2006: BSc in Pharmaceutical Sciences: excellent with honor degree.

November 2013: Master in Pharmaceutical Sciences (Biochemistry).

May 2017: PhD in Pharmaceutical Sciences (Biochemistry).

September 2022: Associate Professor.

## Academic and Work Experience

- Teaching

### Undergraduate

Faculty of Pharmacy, Cairo University

- Participation in teaching, conducting theoretical, practical, and oral examinations of undergraduate courses in Biochemistry-I, Biochemistry-II, Clinical Nutrition and Clinical Biochemistry, and course coordinator for Biochemistry-I, Biochemistry-II and Clinical Biochemistry for two terms program.
- Participation in teaching, conducting theoretical, practical, and oral examinations of undergraduate courses in Biochemistry-2, Clinical Biochemistry, Clinical Nutrition and Course coordinator for Communication Skills for Pharm D program.
- Participation in teaching, conducting theoretical, practical, and oral examinations of undergraduate courses in Biochemistry-I, Clinical Nutrition and course coordinator for Communication Skills for Clinical Pharmacy program (Credit hours).

## **Postgraduate**

- 1- Participation in teaching and theoretical examinations of biochemistry courses for postgraduate students (Master) at Faculty of Pharmacy- Cairo University.
- 2- Participation in teaching, theoretical, practical, and oral examinations of Biochemistry courses for students of the Biochemical Analysis Diploma at Faculty of Pharmacy - Cairo University.
- 3- Participation in teaching, theoretical, practical, and oral examinations of Biochemistry courses for students of the Clinical Nutrition Diploma at Faculty of Pharmacy - Cairo University.

### **• Administrative and Faculty Activities:**

- 1- Member in undergraduate students control; two terms program 2010-2019, Pharm D program 2020-2025.
- 2- Member in chemicals committee 2007-2025.
- 3- Head of chemicals committee 2024- now.
- 4- Member and secretary of Biochemistry Council 2017-now.
- 5- Member of the college's accreditation team (2020-2021).
- 6- Responsible for preparing the ninth standard "Students and Graduates" during the college's accreditation renewal period (2020-2021).
- 7- Supervising the control of the fourth group during the college's accreditation renewal period (2020-2021).
- 8- Advisor to the college's social committee) from the academic year 2019-2020 until now).
- 9- Member of the technical office responsible for coordinating the study schedules for all college groups (from the academic year 2018-2019 until the academic year 2020-2021).
- 10- Coordinator of the Quality Unit in the Department (from the academic year 2013-2014 until the academic year 2020-2021).
- 11- Member of the Department Officials Committee to follow up on the description and report of courses (from the academic year 2014-2015 until the academic year 2020-2021).
- 12- Responsible for updating the department's website on the Internet and following up on the C.V. of faculty members and following up on supervising the secretariat (2021-2022).
- 13- Supervising student activities for the social committee such as holding a book fair at the college and a clothing exhibition at the college and supervising and judging the ideal student competition.
- 14- Participating in summer training for students of the two-semester programs and clinical pharmacy at the college.
- 15- Supervising the activities of the social committee at the college such as visits to nursing homes and Orphans.
- 16- Participation in academic guidance in the Clinical Pharmacy Program (from the academic year 2017-2018 until now) and the Pharm D Program (from the academic year 2020-2021 until now).

- **Scientific Publications:**

**Number of international publications indexed in Web of Science (Clarivate Analytics): 11**

**h-index (Scopus): 10**

**Number of citations: 301**

**Publications:**

- 1- Kortam, M. A., N. Elfar, O. G. Shaker, N. A. El-Boghdady, and M. A. Abd-Elmawla, "MAGI2-AS3 and miR-374b-5p as Putative Regulators of Multiple Sclerosis via Modulating the PTEN/AKT/IRF-3/IFN- $\beta$  Axis: New Clinical Insights", *ACS Chem Neurosci*, vol. 14, issue 6, pp. 1107–1118, 2023. [magi2-as3\\_and\\_mir-374b5p\\_as\\_putative\\_regulators\\_of\\_multiple\\_sclerosis\\_via\\_modulating\\_the\\_pten\\_aktirf-3ifn-b\\_axis-new\\_clinical\\_insights](#).
- 2- Motawi, T. K., S. A. EL-Maraghy, A. S. Kamel, S. E. Said, and M. A. Kortam, "Modulation of p38 MAPK and Nrf2/HO-1/NLRP3 inflammasome signaling and pyroptosis outline the anti-neuroinflammatory and remyelinating characters of Clemastine in EAE rat model", *Biochemical Pharmacology*, vol. 209, pp. 115435, 2023. [modulation\\_of\\_p38\\_mapk\\_and\\_nrf2ho-1nlrp3\\_inflammasome\\_signaling](#).
- 3- EL-Maraghy, S. A., A. Reda, R. M. Essam, and M. A. Kortam, "The citrus flavonoid "Nobiletin" impedes STZ-induced Alzheimer's disease in a mouse model through regulating autophagy mastered by SIRT1/FoxO3a mechanism", *Inflammopharmacology*, vol. 31, pp. 2701–2717, 2023. [the\\_citrus\\_favonoid\\_nobiletin\\_impedes\\_stz-induced\\_alzheimers](#).
- 4- Kortam, M. A., A. S. Alawady, N. A. H. Sadik, and N. Fathy, "Fenofibrate mitigates testosterone induced benign prostatic hyperplasia via regulation of Akt/FOXO3a pathway and modulation of apoptosis and proliferation in rats", *Archives of Biochemistry and Biophysics*, vol. 723, pp. 109237, 2022.
- 5- Marwa Mohamed Safar, Noha Fawzy Abdelkader, Eman Ramadan, Mona Abdel Aziz Kortam, and Ahmed Fathy Mohamed. 2021. "Novel Mechanistic Insights towards the Repositioning of Alogliptin in Parkinson's Disease." *Life Sciences* 287 (15): 120132.
- 6- Fathy, N., M. A. Kortam, O. G. Shaker, and N. H. Sayed, "Long Noncoding RNAs MALAT1 and ANRIL Gene Variants and the Risk of Cerebral Ischemic Stroke: An Association Study.", *ACS chemical neuroscience*, vol. 12, issue 8, pp. 1351-1362, 2021.
- 7- Kortam, M. A., B. M. Ali, and N. Fathy, "The deleterious effect of stress-induced depression on rat liver: Protective role of resveratrol and dimethyl fumarate via inhibiting the MAPK/ERK/JNK pathway.", *Journal of biochemical and molecular toxicology*, vol. 35, issue 1, pp. e22627, 2021.

- 8- Senousy, M. A., O. G. Shaker, N. H. Sayed, N. Fathy, and M.A. Kortam, "LncRNA GAS5 and miR-137 Polymorphisms and Expression are Associated with Multiple Sclerosis Risk: Mechanistic Insights and Potential Clinical Impact.", *ACS chemical neuroscience*, vol. 11, issue 11, pp. 1651-1660, 2020.
- 9- Sayed, N. H., N. Fathy, M. A. Kortam, M. A. Rabie, A. F. Mohamed, and A. S. Kamel, "Vildagliptin Attenuates Huntington's Disease through Activation of GLP-1 Receptor/PI3K/Akt/BDNF Pathway in 3-Nitropropionic Acid Rat Model.", *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, vol.17, issue 1, pp. 252-268, 2020.
- 10- Motawi, T. K., D. A. Mohsen, S. A. EL-Maraghy, and M. A. Kortam, "MicroRNA-21, microRNA-181a and microRNA-196a as potential biomarkers in adult Egyptian patients with systemic lupus erythematosus.", *Chemico-biological interactions*, vol. 260, pp. 110-116, 2016.
- 11- Mohammed Ahmed Hamdy, Shohda Assem El-Maraghy, and Mona Abdel Aziz Kortam. 2012. "Modulatory Effects of Curcumin and Green Tea Extract against Experimentally Induced Pulmonary Fibrosis: A Comparison with N-Acetyl Cysteine." *Journal of Biochemical and Molecular Toxicology* 26 (11): 461–468.

- **Scientific Conferences:**

11th Euro-Global Conference on infectious diseases London, United Kingdom, September 23-24, 2019

- **Awards and Recognition:**

- 1- Best Research in Biochemistry (2020) in the 10<sup>th</sup> International Scientific Conference of Faculty of Pharmacy – Cairo University.
- 2- Best Research Award in the Department of Biochemistry for the year 2021.

- **Training Courses and Workshops**

- 1- Attending a training course entitled "Real time PCR" at the Faculty of Pharmacy, Cairo University - Continuous Improvement and Accreditation Qualification Project (May 30, 2012).
- 2- Attending a training course affiliated with the German Academic Exchange Service "DAAD Cairo" entitled "How to present scientific data" at the Faculty of Pharmacy, Cairo University (March 26, 2013).
- 3- Attending a lecture affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy, Cairo University entitled "Highlights of Faculty Members' Promotions in Egyptian Universities" (October 8, 2017).
- 4- Attending a workshop affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy, Cairo University entitled "Experimental Design Chromatography" (February 14, 2018).

- 5- Attending a workshop affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy, Cairo University entitled "Writing Effective Questions" (March 7, 2018).
- 6- Attending a training course affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy - Cairo University entitled "Specialized Course in Quality Work" (September 16-17, 2018).
- 7- Attending a training course affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy - Cairo University entitled "Explanation of the Regulations of the Thirteenth Session for the Promotion of Faculty Members in Egyptian Universities" (January 15, 2021).
- 8- Attending an electronic training course affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy - Cairo University entitled "Mendeley Citation Manager Software" (January 19, 2021).
- 9- Attending an electronic training course affiliated with the Performance Evaluation and Quality Assurance Unit at the Faculty of Pharmacy - Cairo University entitled "Introducing the Academic Guidance System and the Bachelor of Pharmacy Program (Pharm D)" (February 16, 2022).
- 10- Attending an electronic seminar entitled "Bronchial Asthma Management in Children" - Pharma courses - (March 30, 2022).
- 11- Attending an e-seminar entitled "Management of Nausea and Vomiting Caused by Chemotherapy: According to the Latest Guidelines" - Pharma courses - (March 31, 2022).
- 12- Attending an e-seminar entitled "Management of Gastro Esophageal Reflux Disease" - Pharma courses - (April 7, 2022).
- 13- Attending Faculty and Leadership Development Program (FLDC) courses:

While holding a teaching assistant position:

1. International publication of scientific research 20-22 February 2012
2. Effective presentation skills 27-29 February 2012
3. Communication skills in different teaching styles 5-7 March 2012
4. Ethics of scientific research 12-14 March 2012
5. Examination systems and student evaluation 26-28 March 2012
6. Effective teaching skills 31 March-2 April 2012

While holding a teaching assistant position:

1. Credit hour systems 13-14 July 2015
2. Using technology in teaching 11-12 June 2016
3. Decision making and problem-solving 15-16 June 2016
4. Total quality management in health care 5-6 September 2016

5. **Methods of preventing and combating administrative corruption March 18, 2017**
6. **Basics of clinical trials May 3-4, 2017**

**Course name Date**

1. **Statistical analysis in biological experiments April 3-4, 2019**
2. **Critical thinking July 1-2, 2020**
3. **Research team management September 14-15, 2020**
4. **Basics of blended learning March 22-23, 2021**
5. **Preparing competitive projects for research funding September 29-30, 2021**
6. **Digital transformation courses (FDTC): Mobile Apps (April 5, 2022).**

**References:**

**All references are available whenever required.**