

# CURRICULUM VITAE

**Name** Martha Emil Adly Mikhael

**Date and Place of Birth** 27/08/1988  
Assiut, Egypt

**Marital Status** Married

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**Current Position** Lecturer of Human Anatomy and Embryology, Department of Human Anatomy and Embryology, Faculty of Medicine, Assiut University, Egypt.

## DEGREES

- |   |                   |      |
|---|-------------------|------|
| 1. M.B.B.Ch. (Bachelor of Medicine and Surgery) | Assiut University | 2011 |
| 2. M.Sc. (in Human Anatomy and Embryology)      | Assiut University | 2018 |
| 3. M.D. (in Human Anatomy and Embryology)       | Assiut University | 2023 |

## APPOINTMENTS

Position	From	To	Employer
1. Demonstrator of Anatomy	02/03/2013	21/01/2019	Assiut University
2. Assistant Lecturer of Anatomy	22/01/2019	22/01/2024	Assiut University
3. Lecturer of Anatomy	23/01/2024	Present	Assiut University

## TEACHING EXPERIENCE

- Deliver practical sessions, lectures and tutorials in Human Anatomy, Embryology, and Molecular Biology to students in the Faculties of Medicine, Dentistry, Pharmacy, and Nursing.
- Conduct dissection sessions and prepare practical laboratory materials for hands-on learning.
- Supervise and instruct students in gross anatomy and neuroanatomy laboratory work, ensuring proper technique and understanding.
- Supervise postgraduate students (Master's and PhD) in their research projects.

## RESEARCH

Topics of interest through theses and projects activities include:

### Experimental Histopathology and Embryology

- Research has been conducted to study the histological embryogenesis of different organs in the chicken embryos.
- Research has been conducted to study the effects of some agents on histogenesis or embryogenesis of some tissues and organs in the albino rat:
  - \*Effects of exposure to gibberellic acid (GA3) during pregnancy and lactation on the postnatal development of the renal cortex in the albino rat.
  - \*Effect of maternal diabetes on pre and postnatal development of the axial skeleton in the albino rat and possible protective role of arachidonic acid.
  - \*Potential protective effect of Resveratrol against Metronidazole-induced cardiac muscle toxicity in the adult male albino rat.

## PUBLICATIONS

- 1- Hassan SAS, Abdel-Aziz HAM, Mohamed HK, and Adly ME. Effects of exposure to gibberellic acid during pregnancy and lactation on the postnatal development of the renal cortex in the albino rat. *J. Curr. Med. Res. Pract.* (2019) 4: 121-130. doi: 10.4103/JCMRP.JCMRP\_67\_18.
- 2- Amer AS, Mohamed RS, Bastwrous AE, Adly ME. Maternal alloxan exposure induces damage in rat offspring lumbar vertebrae and protective role of arachidonic acid. *Rom J Morphol Embryol.* 2022 Jan-Mar;63(1):83-97. doi: 10.47162/RJME.63.1.08.
- 3- Bastwrous AE, Mohamed RS, Amer AS, Adly ME. Effects of maternal diabetes on prenatal development of the vertebral column in the albino rat and possible protective role of arachidonic acid. *Egypt. Acad. J. Biolog. Sci.* 2024; 16(1): 155-177. doi: 10.21608/EAJBSD.2024.355544.
- 4- Adly ME, Hanna RS, Bastwrous AE. A histological, colorimetric, and morphometric study on the potential protective effect of Resveratrol against Metronidazole-induced cardiac muscle toxicity in the adult male albino rat. *Egyptian Journal of Histology.* (Article in press, 2025). doi: 10.21608/ejh.2025.402583.2302.
- 5- Hanna RS, Ramadan KMA, Eshak NS, Adly ME, Al-Hashedi SA, El-Beltagi HS, Alhussain JA, Mahmoud MAA, Bendary ESA. Antidepressant potential of *Musa* species peel extract in a rat model through modulation of oxidative stress, neurotransmitters, and CREB signaling pathway. *Notulae Scientia Biologicae.* 2026; 18(1): 12860. doi: 10.55779/nsb18112860.

## **TRAINING PROGRAMS ACHIEVED**

- Principles and applications of PCR.
- Real-time PCR & DNA sequencing.
- ELIZA principles & Western blotting.
- Strategic Planning.
- Effective Presentation.
- Student Evaluation.
- Research Ethics.
- Credit Hour System.
- Communication Skills.
- Infection Control.
- Evidence Based Medicine.
- Writing Medical Reports.
- Writing Protocol.

## **SEMINARS PRESENTED**

- Visual Cortex
- Teratogenesis
- Back Muscles
- Reticular Formation

## **RESEARCH PROFILES**

- Google Scholar: <https://scholar.google.com/eg/citations?hl=en&user=LoWHaxYAAAAJ>
- ORCID: <https://orcid.org/0000-0001-6604-1866>
- Research Gate: [https://www.researchgate.net/profile/Martha-Adly?ev=hdr\\_xprf](https://www.researchgate.net/profile/Martha-Adly?ev=hdr_xprf)

## **PROFESSIONAL MEMBERSHIPS**

- Postdoctoral Member, American Association for Anatomy (AAA), 2025-Present.

## **REFERENCES**

1. Mohamed El Badry Mohamed Ahmed, M.D.,  
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Faculty of Medicine, Assiut University, Egypt  
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2. Hala Zein Elabdin Mohamed, M.D.,  
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