



Personal Data

Name: Amira Adly Mohammed Kassab

Nationality: Egyptian

Date of Birth: October 3, 1980

Marital Status: Married, 2 children

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Academic Degree: Professor

General Specialty: Histology and Cell Biology

Subspecialty: Electron Microscopy and Immunohistochemistry

Affiliation: Professor of Histology and Cell Biology, Faculty of Medicine, Tanta University, Egypt and Ibn Sina University for Medical Sciences, Amman, Jordan.

Education

- 1. Medical Doctorate Degree (M.D.)** in Histology and Cell Biology, February 2013, Department of Histology and Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt.
- 2. Master Degree (M.Sc.)** in Histology and Cell Biology, October 2007. With general grade: excellent. Department of Histology and Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt.
- 3. Bachelor of Medicine and Surgery (M.B.Ch.B.)** November, 2003, with

general grade: excellent with honor degree. Faculty of Medicine, Tanta University, Egypt.

Employment History

1. **Professor** of Histology & Cell Biology, Department of Basic Medical Sciences, Faculty of Medicine, Ibn Sina University for Medical Sciences, Amman, Jordan from 15/10/2023 till now.
2. **Professor** of Histology & Cell Biology, Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt from 30/7/2023 till now.
3. **Associate professor** of Histology & Cell Biology, Department of Basic Medical Sciences, Faculty of Medicine, Ibn Sina University for Medical Sciences, Amman, Jordan from 15/10/2022 till 14/10/2023.
4. **Assistant Professor** of Histology & Cell biology, Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Egypt from 30/7/2018 till 29/7/2023.
5. **Lecturer** of Histology and Cell biology, Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt from 31/3/2013 till 29/7/2018.
6. **Assistant Lecturer** of Histology & Cell biology, Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt from 17/12/2007 till 30/3/2013.
7. **Demonstrator** at Department of Histology & Cell biology, Faculty of Medicine, Tanta University, Tanta, Egypt from 20/6/2005 till 16/12/2007.
8. **General Practitioner**, Ministry of Health and Population, Egypt from April 2005 to June 2005.
9. **House Officer**, Tanta University Hospital, Egypt from March 2004 to February 2005.

Key Experience

➤ Teaching & Assessment Experience:

1. Teaching of histology and cell biology courses to the under and postgraduate students, Faculty of Medicine, Pharmacy and Dentistry, Tanta University, Egypt.
2. Participation in lectures, practical labs, assessments, and examinations (written, practical & oral) of Egyptian medical students (first and second years) of Faculty of Medicine, Tanta University, Egypt.

3. Participation in lectures, practical labs, assessments, and examinations (written, practical & oral) of Malasian medical students (first and second years) of Faculty of Medicine, Tanta University, Egypt.
4. Participation in lectures, practical labs, assessments, and examinations (written, practical & oral) of undergraduate students of Faculty of Pharmacy & Dentistry, Tanta University, Egypt.
5. Participation in lectures, practical labs, assessments, and examinations (written, practical & oral) of postgraduate students of Faculty of Medicine, Tanta University, Egypt.
6. Participating in writing and editing of theoretical and practical books and curriculum design for Medicine, Pharmacy, and Dentistry students, Faculty of Medicine, Tanta University, Egypt.
7. Participation in preparation of course description (course specification) for undergraduate and postgraduate students, Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Egypt.
8. Supervisor of many Master's and MD thesis of postgraduate students in histology assigned by Department of Histology & Cell Biology, Faculty of Medicine, Tanta University, Egypt.
9. Membership in the Egyptian Society of Histology and Cytology.

➤ **Thesis supervision:**

1. Thesis for **M.SC.** degree in histology and cell biology titled “Histological and immunohistochemical study of the effect of tramadol on the testis of adult albino rat and the effect of its withdrawal.”
2. Thesis for **M.D.** degree in histology and cell biology titled “Histological study of the effect of bleomycin on the skin of adult male albino rat and the possible curative role of bone marrow-derived mesenchymal stem cells”.
3. Thesis for **M.SC.** degree in histology titled “Histological and immunohistochemical study of the possible curative effect of the intraarticular injection of N-Acetyl phenylalanine glucosamine on surgically induced osteoarthritis in knee joint of adult male albino rat”.
4. Thesis for **M.SC.** degree in histology titled “Histological study of the effect of energy drinks on renal cortex in adult male albino rat and the possibility of recovery”.
5. Thesis for **M.D.** degree in histology titled ‘Comparative study of the effect of peripheral blood mononuclear cells primed by activated platelet supernatant and misopristol on experimentally induced ulcers in the ileum of adult male albino rat: histological and immunohistochemical study.
6. Thesis for **M.SC.** degree in histology titled “Histological study of the effect of paclitaxel on the skeletal muscle and the possible protective effect of melatonin in adult male albino rat”.

7. Internal examiner for **M.SC.** thesis titled “Histological and immunohistochemical study of the effect of tramadol on the suprarenal cortex and the possible protective effect of melatonin drug in adult male albino rat”.

➤ **Research skills:**

- Experimental animal care & handling
- Tissue processing for histological analysis
- Immunohistochemistry
- Electron microscopy
- Stem cells

Conferences & Workshop

1. Participation in the First Medical Students’ Conference, Geneva Hotel, Amman, Jordan (MSC-JO), 10-11 September 2023 (oral presentation).
2. Physician Scientist Summit Conference, Amman, Jordan, 4 May 2023 (Attendance).
3. The Egyptian Society of Electron Microscopy conference in cooperation with Tanta University and Teodor Bilharz Research institute, Egypt, entitled (Nanostructure: The science of today and tomorrow), October 11-12, 2022.
4. The 1st Delta Obstetrics and Gynecology Annual Conference, Tanta, Egypt, 2022 (Attendance).
5. The Egyptian Society of Electron Microscopy conference in cooperation with Tanta University and Teodor Bilharz Research institute, Egypt, entitled (Electron microscopy and the pandemic Covid-19), October 11-12, 2020.
6. Participation in all annual scientific conferences (International) of the Egyptian society of Histology & Cytology, Egypt, 2006-2022.
7. Participation in all annual medical conferences (International) of Faculty of Medicine, Tanta University, Egypt, 2006-2022.
8. Participation in many workshops at Electron Microscope and Stem Cells & Tissue Culture Unit, Faculty of Medicine, Tanta University, Egypt 2008-2021.
9. Workshop on (Standard of leadership and governance), Quality Assurance Unit, Faculty of Medicine, Tanta University, Egypt, 2010-2020.
10. Workshop on (E-Research tools), Department of Pharmacology, Faculty of Medicine, Tanta University, Egypt, 2019.
11. Workshop on (Simplified methods of animal dissection and sampling), Department of Pharmacology, Faculty of Medicine, Tanta University, Egypt, 2019.
12. Workshop on (Anesthesia department pan), Department of Pharmacology, Faculty of Medicine, Tanta University, Egypt, 2019.

13. The international conference on Medical Education, Faculty of Medicine, Tanta University, Egypt, September 19-21, 2017.
14. A member of the conference organizing committee of the fourth international conference of Faculty of Medicine, Tanta University, Egypt, March 7-10, 2017.
15. Egyptian Society for Reproductive Medicine conference, Cairo, Egypt, September 23-24, 2016 (Attendance).
16. Workshop on (Stem cell isolation and culture), Department of Histology and Cell Biology, Faculty of Medicine, Tanta University, Egypt, 2017.
17. Workshop on (Experimental approach to obtain samples from animal organs, Department of Anatomy, Faculty of Medicine, Tanta University, Egypt, 2016.
18. Workshop on (Analysis of the exam paper), Quality Assurance unit, Faculty of Medicine, Tanta University, Egypt, 2016.
19. Workshop on (Basic Techniques of cell culture), Department of Histology and Cell Biology, Faculty of Medicine, Tanta University, Egypt, 2013.

Training Courses

- Fundamental of **digital transformation** certificate, module 1 (mobile applications), ICT, Tanta University, Egypt, September 2022.
- **Communication skills** in different styles of education, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2022.
- **Effective presentation skills**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2022.
- **Credit hour system**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2022.
- **Time and conference management**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2022.
- **Research team management**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2022.
- **Professional ethics and etiquette**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 13-15 February 2018.
- **Uses of Technology in Teaching**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 23-25 May 2017.
- **Strategic Planning**, Tanta center of Faculty and leadership development project, Tanta, Egypt, 11-13 April 2017.

- **Legal and Financial Aspects in Universities**, The International Center for Faculty and Leadership Development (TCIFLD) at Tanta University, Egypt, 4-6 April 2017.
- **Preparing Competitive Research Projects**, The International Center for Faculty and Leadership Development (TCIFLD) at Tanta University, Egypt, 8-10 April. 2017.
- **International Publication**, The International Center for Faculty and Leadership Development (TCIFLD) at Tanta University, Egypt, 27-29 May 2017.
- **Time and conference management**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2012.
- **Code of ethics**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2010.
- **Effective presentation**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2011.
- **International publishing of research**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2011.
- **Quality standards in teaching**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2011.
- **Student evaluation**, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt, 2011.
- **Problem Based Learning (PBL), Case Based Learning (CBL), Objective Structured Practical Examination (OSPE) and Flipped Class Rooms (FCRs) Courses in Competency-Based Medicine**, International Competency-Based Medical Bachelor Program, Faculty of Medicine, Tanta University, Egypt, 2017.
- **Statistical analysis for data by SPSS**, The International Center for Faculty and Leadership Development (TCIFLD) at Tanta University, Egypt, 2017.
- **University Teacher Preparation**, College of Education, Tanta, Egypt, 2010.
- **Computer Course Training** (1st level), Faculty of Commerce, Tanta University, Egypt, 2006.
- **Computer Course Training** (2nd level), Faculty of Commerce, Tanta University, Egypt, 2008.
- **Intensive English Language Program**, Faculty of Education, Tanta University, Egypt, 2006.
- **Internet Course for Master Degree students**, General Services for Computers and Technology Center, Tanta University, Egypt, 2005.
- **Computer Special Course** (1st level) for Master Degree students, Faculty of Commerce, Tanta University, Egypt, 2005.

Publications

1-Elwan WM, Kassab AA and Ibrahim MAA (2016). The possible role of berberine in ameliorating doxorubicin-induced cardiomyopathy in adult male albino rat: a histological and immunohistochemical study. *EJH*. 39 (3): 228-240.

2-Elwan WM and Kassab AA (2017). The Potential Protective Role of Hesperidin Against Capecitabine-Induced Corneal Toxicity in Adult Male Albino Rat. Light and Electron Microscopic Study. *EJH*.40 (2): 201-215.

3-Kassab AA and Elkaliny HH (2017). The possible role of propolis in ameliorating paclitaxel-induced peripheral neuropathy in sciatic nerve of adult male albino rats. *EJH*.40 (2): 141-155.

4-Kassab AA (2017). Effect of sodium fluoride with and without omega-3 on the sublingual salivary gland of adult male albino rat. Accepted to be published in *EJH*. Accepted in 4/11/2017.

5-Kassab AA and El-Aasr M (2018). Effect of avocado pulp extract on chlorpyrifos induced thyroid gland injury in rats (Histological & morphometric studies). *EJH*. 41(1):83-92.

6-Abu-Elnaga AA, Kassab AA, Soliman GM, Elshal AO (2018). Histological and immunohistochemical study of the effect of tramadol and its withdrawal on the seminiferous tubules of adult albino rat. *Tanta Med J*. 46 (1) :38-53.

7-Kassab AA and Tawfik SM (2018). Effect of a caffeinated energy drink and its withdrawal on the submandibular salivary gland of adult male albino rats (Histological and Immunohistochemical study). *EJH*. 41(1): 11-26.

8-Kassab AA (2018). Wheat germ oil attenuates deltamethrin –induced injury in rat cerebellar cortex (Histological and Immunohistochemical studies). *EJH*. 41(2): 182-191.

9- Salah EF, Afifi OK, Soliman GM, Kassab AA. light, electron microscopic and morphometric study on the adrenal cortex of male albino rats at different ages. *Tanta Medical Journal* 35.2007

Publications in the last five years:

10- Elhosary NM, El-Gharbawy DM, Kassab AA and Elgharabawy RM (2018): Cyanamide-Induced Hepatotoxicity and the Potential Protective Role of Pomegranate Seed Extract in Adult Male Albino Rats. *Ain Shams Journal of Forensic Medicine and Clinical Toxicology* 30: 38-51.

11- Kassab AA (2019): The potential protective role of flaxseed extract on ventral prostate in a rat model of streptozotocin-induced diabetes: A histological and immunohistochemical study. *EJH*. 42 (2):425-436.

12- Kassab AA (2019): Effect of Fosamax on the Duodenal Mucosa in Adult Male Albino Rats and the Possible Protection by Nigella Sativa Oil: A Histological and Immunohistochemical Study. *EJH*. 42 (4):900-914.

13-Elkelany MM, Kassab AA, Abd-Elhafez AAA, Mousa AM and El-deeb TA (2019): Histological Study on the Changes of Elastic Fibers in Localized Scleroderma Model in Thin Skin of Adult Male Albino Rat and the Possible Curative Role of Bone Marrow-Derived Mesenchymal Stem Cells. *Int.J.Curr.Microbiol.App.Sci.* 8(5): 1791-1795

14- Negm WA, Abo El-Seoud KA, Kabbash A, Kassab AA and El-Aasr M (2021): Hepatoprotective, cytotoxic, antimicrobial and antioxidant activities of *Dioonspinulosum* leaves Dyer Ex Eichler and its isolated secondary metabolites. *Natural Product Research* 35(23):5166-5176.

15- Kassab AA, Aboregela AM, Shalaby AM (2020): Edaravone attenuates lung injury in a hind limb ischemia-reperfusion rat model: A histological, immunohistochemical and biochemical study. *Annals of Anatomy* 228: 151433.

16- Kassab AA and Elwan WM (2020): Kiwifruit Extract Attenuates Tadalafil Induced Retinal Injury in Adult Male Albino Rats: A Histological and Immunohistochemical Study. *EJH.* 43(2):477-495.

17- Kassab AA, Moustafa KAA and Abd-El-Hafez AAA (2020): The Possible Protective Role of Pumpkin Seed Oil in Ameliorating Tongue Mucosal Damage Induced by Orlistat in Adult Male Albino Rats: A Light and Scanning Electron Microscopic Study. *EJH.* 43(4):975-987.

18-Kassab AA, Moustafa KAA, Ragab MH and Ragab AMH (2021): The Biological Effect of Different Doses of Gold Nanoparticles on the Liver of Female Rats: A Histological and Immunohistochemical Study. *EJH.* 44(2):489-502.

19- Kassab AA, Sharaf Eldin HEM and Abd-El-Hafez AAA (2022): Marjoram oil attenuates valproic acid-induced pancreatic damage in adult male albino rats: a histological and immunohistochemical study. *EJH.* 45(3):653-666.

20- Abd-Elhafez AAA, Elkelany MM, Mousa AMI, El-Deeb TAA, Kassab AA (2022): The possible curative role of bone marrow-derived mesenchymal stem cells in bleomycin-induced skin changes in adult male albino rats. *EJH.* 45(4): 1125-1145.

21-Allam D, Kassab AA, EL-Bakry N, El-Shal A (2022): Histological and immunohistochemical study of the possible curative effect of intra-articular injection of N-Acetyl phenylalanine glucosamine on surgically induced osteoarthritis in knee joint of adult male albino rat. *EJH.* 45(4): 1000-1008.

22- Hegazy KA, Elswaidy NR, Kassab AA, Elbakary N (2023): The effect of energy drinks and their withdrawal on the renal cortex of adult male albino rats. Histological, ultrastructural and morphometric study. *EJH.* 46(3):1-14.

23- Abo-Elyazed AA, **Kassab AA**, Elbakary N, Abo Raya A A, Shalaby NM: The therapeutic effect of activated platelet supernatant-primed mobilized peripheral blood mononuclear cells on experimently induced ulcers in the ileum of adult male albino rat: histological and immunohistochemical study. *EJH*. 2023, 46(4): 2078-2093.

24- Kassab AA, Abd-El-Hafez AAA, El-Deeb A, Abd-El-Hafez AAA: Mesenchymal Stem Cells Versus their conditioned medium for Managing Systemic Sclerosis Associated Arthritis Rat Model: Histological and Immunohistochemical Study. *EJH*. 2023, 46(4):1676-1693.

25-Badran D, El-Agroudy A, **Kassab AA**, Elbaiomy KS, Eldeken Z, Elswaidy NRM: Impact of peripheral blood mononuclear cells preconditioned by activated platelet supernatant in managing gastric mucosal damage induced by zinc oxide nanoparticles in rats. *Anatomy and Cell Biology*. **Published online** January 15, 2024 <https://doi.org/10.5115/acb.23.217>

Accounts

- Google scholar account:
<https://scholar.google.com/citations?user=rgTCTH8AAAAJ&hl=en&oi=ao>
- Research gate account:
https://www.researchgate.net/profile/Amira_A_Kassab
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References

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