



## **Curriculum Vitae (CV) for Faculty Staff**

**Personal statement:** Prof. Amira Kassab, Professor of Medical Histology and Cell Biology, Faculty of Medicine, Tanta University, Egypt. Dean of Scientific Research, Ibn Sina University for Medical Sciences, Amman, Jordan.

<b>1. Personal Information</b>	
<b>Name:</b>	Amira Adly Mohammed Kassab
<b>Date and place of birth</b>	October3, 1980 / Egypt
<b>Faculty:</b>	Medicine
<b>Department:</b>	Medical Histology and Cell Biology/Tanta University Basic Medical Sciences/IBN Sina University for Medical Sciences
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## 2. Education

Date	Issuing institute	Field	Degree
February 2013	Department of Medical Histology and Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt.	Basic Medical Sciences in Histology and Cell Biology	Medical Doctorate Degree (M.D.)
October 2007	Department of Medical Histology and Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt	Basic Medical Sciences in Histology and Cell Biology	Master Degree (M.Sc.)
November, 2003	Faculty of Medicine, Tanta University, Egypt.	Medicine and Surgery	Bachelor of Medicine and Surgery (M.B.Ch.B.) with general grade: excellent with honor degree.

## 3. Specialization and area of interest

<b>General</b>	Medical Histology and Cell Biology
<b>Focus area</b>	Electron Microscopy and Immunohistochemistry in histological and cytological studies.



#### 4. Professional experience

Position	Date
<b>Dean of Scientific Research</b> , Ibn Sina University for Medical Sciences, Amman, Jordan	31/1/2024.
<b>Professor of Medical Histology</b> , Department of Basic Medical Sciences, Faculty of Medicine, Ibn Sina University for Medical Sciences, Amman, Jordan	15/10/2023
<b>Professor of Medical Histology &amp; Cell Biology</b> , Department of Medical Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt	30/7/2023
<b>Associate Professor</b> of Medical Histology & Cell Biology, Department of Medical Histology & Cell Biology, Faculty of Medicine, Tanta University, Egypt	from 30/7/2018 till 29/7/2023.
<b>Lecturer</b> of Medical Histology and Cell Biology, Department of Medical Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt	from 31/3/2013 till 29/7/2018.
<b>Assistant Lecturer</b> of Medical Histology & Cell Biology, Department of Medical Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt	from 17/12/2007 till 30/3/2013.
<b>Demonstrator</b> , Department of Medical Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt	from 20/6/2005 till 16/12/2007.
<b>General Practitioner</b> , Ministry of Health and Population, Tanta, Egypt	from April 2005 to June 2005.
<b>House Officer</b> , Tanta University Hospital, Egypt	from March 2004 to February 2005.



## 5. Research Experience

Experimental animal care & use

Tissue processing for histological analysis

Immunohistochemistry

Electron microscopy

Stem cell

Thesis supervision (7) for M.SC. & M.D. degree

## 6. Publications

Name of Author(s)	Title
<b>ORCID:</b> <a href="https://orcid.org/0000-0002-5318-569X">https://orcid.org/0000-0002-5318-569X</a>	
Elwan WM, <b>Kassab AA</b> 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.
Elwan WM and <b>Kassab AA</b> (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.
<b>Kassab AA</b> 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.
<b>Kassab AA</b> 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.



<b><u>Abu-Elnaga AA, <b>Kassab AA</b>, Soliman GM, Elshal AO</u></b> (2018).	Histological and immunohistochemical study of the effect of tramadol and its withdrawal on the seminiferous tubules of adult albino rat. <i>Tanta Med J.</i> 46 (1) :38-53.
<b><u>Kassab AA and Tawfik SM</u></b> (2018).	Effect of a caffeinated energy drink and its withdrawal on the submandibular salivary gland of adult male albino rats (Histological and Immunohistochemical study). <i>EJH.</i> 41(1): 11-26.
<b><u>Kassab AA(2018).</u></b>	Wheat germ oil attenuates deltamethrin –induced injury in rat cerebellar cortex (Histological and Immunohistochemical studies). <i>EJH.</i> 41(2): 182-191.
<b><u>Salah EF, Afifi OK, Soliman GM, <b>Kassab AA.</b></u></b>	Light, electron microscopic and morphometric study on the adrenal cortex of male albino rats at different ages. <i>Tanta Medical Journal</i> 35.2007.
<b><u>Elhosary NM, El-Gharbawy DM, <b>Kassab AA</b> and Elgharabawy RM</u></b> (2018):	Cyanamide-Induced Hepatotoxicity and the Potential Protective Role of Pomegranate Seed Extract in Adult Male Albino Rats. <i>Ain Shams Journal of Forensic Medicine and Clinical Toxicology</i> 30: 38-51.
<b><u>Kassab AA(2019):</u></b>	The potential protective role of flaxseed extract on ventral prostate in a rat model of streptozotocin-induced diabetes: A histological and immunohistochemical study. <i>EJH.</i> 42 (2):425-436.
<b><u>Kassab AA(2019):</u></b>	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. <i>EJH.</i> 42 (4):900-914.
<b><u>Elkelany MM, <b>Kassab AA</b>, Abd-Elhafez AAA, Mousa AM and El-deeb TA</u></b> (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. <i>Int.J.Curr.Microbiol.App.Sci.</i> 8(5): 1791-1795
<b><u>Negm WA, Abo El-Seoud KA, Kabbash A, <b>Kassab AA</b>and El-Aasr M</u></b> (2021):	Hepatoprotective, cytotoxic, antimicrobial and antioxidant activities of <i>Dioonspinulosum</i> leaves Dyer Ex Eichler and its isolated secondary metabolites. <i>Natural Product Research</i> 35(23):5166-5176.
<b><u>Kassab AA, Aboregela AM, Shalaby AM</u></b> (2020):	Edaravone attenuates lung injury in a hind limb ischemia-reperfusion rat model: A histological, immunohistochemical and biochemical study. <i>Annals of Anatomy</i> 228: 151433.



<b>Kassab AA</b> 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.
<b>Kassab AA</b> , 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.
<b>Kassab AA</b> , 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.
<b>Kassab AA</b> , 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.
Abd-Elhafez AAA, Elkelany MM, Mousa AMI, El-Deeb TAA, <b>Kassab AA</b> (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.
Allam D, <b>Kassab AA</b> , 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.
Hegazy KA, Elswaidy NR, <b>Kassab AA</b> , 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.
Abo-Elyazed AA, <b>Kassab AA</b> , Elbakary N, Abo Raya A A, Shalaby NM:	The therapeutic effect of activated platelet supernatant-primed mobilized peripheral blood mononuclear cells on experimentally induced ulcers in the ileum of adult male albino rat: histological and immunohistochemical study. EJH. 2023, 46(4): 2078-2093.
<b>Kassab AA</b> , 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.



Badran D, El-Agroudy A, <b>Kassab AA</b> , Elbaimy KS, Eldeken Z, Elswaify NRM:	Impact of peripheral blood mononuclear cells preconditioned by activated platelet supernatant in managing gastric mucosal damage induced by zinc oxide nanoparticles in rats. Anat Cell Biol. 2024 Mar 31;57(1):105-118.
Sharkas GF, El-Masry R, Abdel-Ghany S, El Baz-A, Abou-Elsaad T, <b>Kassab AA</b> , Badran DH, Bashir AY.	Satisfaction of academic medical staff with integrated medical curriculum: an exploratory multinational survey. BMC Medical Education 2024; 24:1483.
Elfaiomy SKAS, Elnasr S, <b>Kassab AA</b> , El Deeb S.	Protective impact of melatonin on paclitaxel induced damage on skeletal muscle fibers in albino rats. Tanta Medical Journal 2025; 53(1): 129-133. DOI: 10.4103/tmj.tmj_58_24
Elswaify N, Abd El Halim H, Soliman N, <b>Kassab AA</b> , Badran D (2025)	The therapeutic Potential of the preconditioned peripheral blood mononuclear cells on sciatic nerve injury in a diabetic rat model. Accepted in the Egyptian Journal of Histology
Khalil RM, Eldeken ZH, Youssef OM, Kassab AA, Ramadan A, Sak NH	Curcumin's dual effect on pyroptosis and autophagy in metabolic-associated fatty liver disease: A potential therapeutic strategy. Scientific reports (accepted 8/7/2025).
Badran D, Agroudy A, <b>Kassab AA</b> , Zaher SM, El-Swaify NR:	Propolis mitigates oxidative stress/NF- $\kappa$ B/NLRP3 signaling (inflammasome pathway) and protects against copper oxide nanoparticles induced pathological alterations in rats' spleen: A histopathological and biochemical study. accepted in Egyptian Journal of Histology.

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#### 7. Conferences and Presentations

Name- organizer	Place and date	Type of participation
The 8 <sup>th</sup> international conference of the Jordanian society of pathologists,	Landmark, Amman, Jordan, May 8, 2025.	Attendance



The 8 <sup>th</sup> scientific day of the public health association in collaboration with the eastern Mediterranean public health network,	Crown Plaza Hotel, the Dead Sea, October 24, 2024.	Attendance
The 1 <sup>st</sup> Hashemite University Faculty of Medicine Conference, entitled: (Medical Education: Current situation and future perspectives),	Landmark Hotel, Amman, Jordan, 25 April, 2024	Attendance
The First Medical Students' Conference, Geneva Hotel, Amman, Jordan(MSC-JO).In collaboration with JAPA Academy Journal,	Geneva Hotel, Amman, Jordan, 10-11September 2023	(student oral presentation).
Physician Scientist Summit Conference, In collaboration with Aqaba Medical Sciences University and Jordan Medical Association	at Four Season Hotel, Amman, Jordan, 4May,2023,	Attendance
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.	Attendance
Participation in all annual scientific conferences (International) of the Egyptian society of	2006-2022.	Attendance



Histology & Cytology, Egypt		
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### 8. Training courses

Course name-organizer	Date
Workshop in <b>active learning techniques</b> (School of Medicine and Health Sciences, George Washington University, UTHSA-GWU Faculty professional development program for Ibn Sina University for Medical Sciences),	May 29, 2025.
Workshop in <b>Managing your time</b> (School of Medicine and Health Sciences, George Washington University, UTHSA-GWU Faculty professional development program for Ibn Sina University for Medical Sciences),	April 21, 2025.
Attendance of ISUMS/GW Webinar Series <b>Professionalism in medicine</b> (School of Medicine and Health Sciences, George Washington University, UTHSA-GWU Faculty professional development program for Ibn Sina University for Medical Sciences)	October 31, 2024.
Workshop and training course in medical education, <b>methods of learning assessment in health profession education</b> (UTHSA-GWU Faculty development program for Ibn Sina University for Medical Sciences),	June 3-4, 2024.
Workshop and training course in medical education, <b>maximizing impact: course design for engagement and retention</b> (UTHSA-GWU Faculty development	June 3-4, 2024.



program for Ibn Sina University for Medical Sciences),	
Fundamental of <b>digital transformation</b> certificate, module1 (mobile applications), ICT, Tanta University, Egypt, September 2022.	September 2022
<b>Communication skills</b> in different styles of education, The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt	2022.
<b>Effective presentation skills</b> , The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt,	2022.
<b>Credit hour system</b> , The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt.	2022
<b>Time and conference management</b> , The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt	2022
<b>Research team management</b> , The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt	2022
<b>Professional ethics and etiquette</b> , The International Center for Faculty and Leadership Development (TCIFLD), Tanta University, Egypt,	13-15 February 2018.
<b>Problem Based Learning (PBL), Case Based Learning (CBL), Objective Structured Practical Examination (OSPE) and Flipped Class Rooms (FCRs) Courses</b>	2017



in **Competency-Based Medicine**,  
International Competency-Based Medical  
Bachelor Program, Faculty of Medicine,  
Tanta University, Egypt,

<b>9. Teaching Experience for last 5 years</b>		
<b>Course Name</b>	<b>Year</b>	<b>Institute</b>
Teaching of medical histology and cell biology courses to the undergraduate students	2007-2022	Faculty of Medicine, Pharmacy and Dentistry, Tanta University, Egypt.
Teaching of medical histology and cell biology courses to the postgraduate students	2013-2022	Faculty of Medicine, dentistry and nursing, Tanta University, Egypt
Teaching of Medical Histology courses to the undergraduate students	2022-2025	Faculty of Medicine and Dentistry, Ibn Sina University for Medical Sciences, Amman. Jordan.
Participation in teaching the integrated modules courses for undergraduate students.	2023-2025	Faculty of Medicine, Ibn Sina University for Medical Sciences, Amman. Jordan.
Participation in teaching the course of medical communication skills for undergraduate students	2023-2024	Faculty of Medicine and Dentistry, Ibn Sina University for Medical Sciences, Amman. Jordan.
Participating in writing and editing of theoretical and practical books and curriculum design in histology and cell biology for Medicine, Pharmacy, and Dentistry students,	2015-2025	Faculty of Medicine, Tanta University, Egypt.



#### 10. committees' membership and community service

Date	Name or type of membership/service
2005-2025	Membership in the Egyptian Society of Histology and Cytology
2023-2025	Membership in the Egyptian Society of Electron Microscopy
2024-2025	Chairman of the scientific research committee of Faculty of Medicine-Ibn Sina University for Medical Sciences

#### 11. Awards and Honors

Name	Date	Issuing authority
Research articles: <ul style="list-style-type: none"><li>• Edaravone attenuates lung injury in a hind limb ischemia-reperfusion rat model: A histological, immunohistochemical and biochemical study. Annals of Anatomy (2020), 228: 151433.</li></ul>	2020	Rewards from Tanta University, Egypt for the international publications
• Hepatoprotective, cytotoxic, antimicrobial and antioxidant activities of Dioonspinulosumleaves Dyer Ex Eichler and its isolated secondary metabolites. Natural Product Research (2021), 35(23):5166-5176.	2021	Rewards from Tanta University, Egypt for the international publications



### 13. References

❖ **Samah Kandeel El-Sayed:** Professor of Histology & Cell Biology, Faculty of Medicine, Tanta University, Tanta, Egypt.

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## مكتب الاعتماد وضمان الجودة

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