

Prof. Khaled Abdel-Sater CV

Personal Data:

Full Name: Khaled Ahmed Abdel-Sater.

Profession: Full Professor of Physiology, Faculty of Dentistry Mutah University, Karak, Jordan.

-Full Professor of Physiology, Faculty of Medicine Al-Azhar University, Assiut, Egypt

E-mail: kabdelsater@mutah.edu.jo

kabdelsater@yahoo.com

Date of Birth: December 23, 1969 -Assuit-Egypt.

Address: Assiut-King Faisal st., Al-Azhar University Sq.

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Academic and Professional Qualifications:

-Medical Bachelor & Bachelor of Surgery (M.B.,B.Ch.) Dec. 1993, Al-Azhar University, Cairo, Egypt.

-Master Degree in Physiology (M.SC.), 2000, Al-Azhar University Cairo, Egypt.

-Medical Doctor in Physiology (Ph.D.), 2004, Al-Menia University Egypt.

Working Experiences:

Position	Start date	End date	Name of organization	Country
Administrator of physiology	8-9-1998	22-8-2000	Faculty of Medicine Al-Azhar University, Cairo	Egypt
Assistant lecturer of physiology	23-8-2000	1-6-2004	Faculty of Medicine Al-Azhar University, Assiut	Egypt
Lecturer of physiology	2-6-2004	2-12-2009	Faculty of Medicine Al-Azhar University, Assiut	Egypt
Assistant Professor of Physiology	1-9-2005	30-8-2007	Faculty of Healthy Science, Abha	KSA
Assistant Professor of Physiology	1-9-2007	30-8-2009	Faculty of Medicine Omer Al-Mokhtar University	Libya
Assistant Professor of Physiology	1-9-2009	30-8-2010	Faculty of Medicine Tabuk University	KSA
Associate Professor of Physiology	2-10-2010	1-9-2012	Faculty of Medicine King Abdul Aziz University	KSA
Assistant Professor of Physiology	3-12-2009	17-2-2014	Faculty of Medicine Al-Azhar University, Assiut	Egypt
Professor of Physiology	18-2-2015	Up To date	Faculty of Medicine Al-Azhar University, Assiut	Egypt
Professor of Physiology and Advisor of University President for Community Services and Environment Development	1-10-2016	1-9-2017	Deraya University El-Mina	Egypt
Vice Dean for Education and Student Affairs	31-7-2018	31-7-2022	Faculty of Medicine Al-Azhar University, Assiut	Egypt
Professor of Physiology	9-2-2024	Up To date	Faculty of Dentistry Mutah University, Karak	Jordan

Meetings and Workshops Attended:

- 1- Conference of diabetes mellitus and the heart in Cairo- Egypt on 6th and 7th September 2006.
- 2- First Egyptian international conference on E- medicine (EICEM1) 27- 29 march 2007.
- 3- Workshop in the program for E-learning teaching skills and web-based education on blended learning, King Fahed University of petroleum and minerals, KSA, on 12 and 13 January 2008.
- 4- E-learning and clinical skills workshop King Fahed University of petroleum and minerals KSA, 2008.
- 5- Arts of learning online workshop King Fahed University of petroleum and minerals KSA, 2008.
- 6- Second annual forum on E-learning and English language learning, Tabuk University KSA, 28 May 2008.
- 7- Achievement Tests, Tabuk University KSA, 20-21 May 2009.
- 8- MOODLE in Education Administration, Tabuk University KSA, 22 March- 6 April 2009.
- 9- Creative fundamentals, Tabuk University 6-7 October 2009.
- 10- Fundamentals of Pedagogy, Tabuk University KSA, 8-9 October 2009.
- 11- General and educational scenario, Tabuk University KSA, 13-16 October 2009.
- 12- The 1st international conference of Omer Al-Mokhtar Faculty of Medicine, 23 -25 April 2010.
- 13- Developing the capabilities of faculty members, Omer Al-Mokhtar Faculty of Medicine, 16-21 March 2010.
- 14- Human Development Omer Al-Mokhtar Faculty of Medicine, 29 April 2010.
- 15- 3rd annual conference for Egyptian Society of Physiological Sciences (ESPS), Tanta University, Physiology: a framework of integrated research, 20 March 2014.
- 16- The 9th annual scientific conference of Sohag Faculty of Medicine: Applied Scientific Research, A Fact or A Fiction? 24 and 25 April 2014.
- 17- The development of the administrative and legal skills, Assiut University 4-5 February 2014.
- 18- The effective management of time and work pressures, Assiut University 11-12 February 2014.
- 19- Crisis and disaster management. Assiut University 14-15 February 2014.
- 20- Strategic planning. Assiut University 20-22 February 2014.
- 21- Modern trends for the development of education methods of measurement and evaluation, Assiut University 8-9 March 2014.
- 22- Guidelines of management of acute cerebrovascular stroke, 1st conference of Neuropsychiatry Department, Al-Azhar Faculty of Medicine Assiut: New ara in integrated medicine , 18 March 2014.
- 23- The 3rd annual scientific conference of Al-Azhar Faculty of Medicine Assiut: New ara in integrated medicine , 20and 21 September 2018.

- 24- The 4th annual scientific conference of Al-Azhar Faculty of Medicine Assiut: integrated medicine , 19 and 20 September 2019.
- 25-Introductory Human Physiology, an online course, Duke University, 21/8/2018.
- 26- Presentation and Apply skills, an online course Nafhan, 26 July 2019.
- 27- Job interview skills, an online course Nafhan, 26 July 2019.
- 28- Time management and organization, an online course Nafhan, 26 July 2019.
- 29-Setting goals, an online course Nafhan, 26 July 2019.
- 30-Basis of entrepreneurship-1 an online course Nafhan, 15 September 2019.
- 31- Training in web science, end note online, incites and JCR (CLARIVATE), Al-Azhar Faculty of Medicine Assiut, 24 October 2019.
- 32-TOT course in entrepreneurship Al-Azhar Faculty of Medicine Assiut, 20 and 22 September 2019.

Teaching Experiences:

Experience of teaching physiology for more than 22 years for:

- Medical students (Al-Azhar, Sohag, South Valley, New Vally, KSA, Libya, Merit and Mutah).
- Dental students (Al-Azhar, South Valley and Mutah).
- Pharmacy students (Al-Azhar, Sohag and Deraya).
- Physical therapy students (South Valley and Deraya).
- Nursing students (Al-Azhar and Sohag).
- Veterinary students (New Valley).
- Medical science students (KSA).
- Health science students (KSA, Assiut).
- Postgraduate students (Al-Azhar, Sohag and South Valley).

Subjects Taught:

A- Undergraduate Integrated Courses 5+2 Taught (By Rotation):

Cell biology and function (transport across the cell-membrane, body fluid compartments and electrolytes, homeostasis, membrane potentials & ANS), **Skin & Musculoskeletal**, (muscle physiology & body temperature regulation), **CVS** (cardiovascular system), **GIT** (gastrointestinal physiology) **Respiratory and renal** (the respiratory system & renal physiology and acid-base balance), **Hematology** (blood physiology), **Endocrinology, reproduction & developmental biology**, **Neurosciences** (central nervous system physiology and special senses physiology).

B-Teaching Courses to Medical Practitioners studying toward The M.SC and PHD of Medicine:

Homeostasis, stress physiology, hormones of growth, growth and development, acid base balance, electrolytes balance, formation of urine, digestion and absorption of food, gastrointestinal enzymes and hormones, motor and sensory functions of the brain, ventilation in health and disease, electrical physiology, special circulation, hair cells function, feedback mechanisms, paradoxical physiological phenomena, chemical transmitters and endocrinal disorders.

Area of Research Interest:

- Endocrinology.
- Experimental physiology.
- Sport medicine.
- Stress physiology.

List of Publications: (see https://www.researchgate.net/profile/Khaled_Abdel-Sater)

<https://scholar.google.com/citations?user=XFpZGHkAAAAJ&hl=ar>

Scopus ID: 36112857600 <https://orcid.org/0000-0001-9357-4983>

Researcher ID :KII-0055-2024

1-Khaled A. Abdel-Sater (2009): Effects of acute and chronic maternal deprivation on hypothalamo-pituitary-adrenal axis in rats pups with hyperthyroidal mothers. 80th Annual Meeting of the American Thyroid Association, September 23-27, 2009. Thyroid. September 2009, 19(s1): S-74. DOI: 10.1089=thy.2009.1589

On line: <http://www.liebertonline.com/toc/thy/19/s1>

Q1 Imapct facor 6 SJR 2023 1.89

2-El-Sayed emara and Khaled A. Abdel-Sater (2011): beneficial effects of calcium channel blocker “nifedipine” on abnormalities of platelets and lipid metabolism in patients with type II diabetes mellitus. **Diabetes Metab**, , 2:5.

<https://www.iomcworld.com/abstract/beneficial-effects-of-calcium-channel-blocker-8220nifedipine8221-on-abnormalities-of-platelets-and-lipid-metabolism-in-p-26094.html>

Q1 SJR 2023 1.65

3-Khaled A. Abdel-Sater, Wafaa M. Hassab El-Naby and Mohamad Sayed Bakheet (2012): The gender difference of selective serotonin reuptake inhibitor, fluoxetine in adult rats with stress-induced gastric ulcer. European Journal of Pharmacology. 688 (1-3):42-48. doi: 10.1016/j.ejphar.2012.04.019

<https://www.sciencedirect.com/science/article/abs/pii/S0014299912003536>

Q1 SJR 2023 1.06

ISI Impact Factor = 5

4- Hanan Sayed M. Farghaly, Ahmed Mostafa Mahmoud, Khaled A. Abdel-Sater (2016): Effect of dexmedetomidine and cold stress in a rat model of neuropathic pain: Role of interleukin-6 and tumor necrosis factor- α . European Journal of Pharmacology. 776 (5): 139-145.

<http://www.sciencedirect.com/science/article/pii/S0014299916300711>

doi:10.1016/j.ejphar.2016.02.046 **Q1 SJR 2023 1.06**

5- Al-Ridi M.R., Abdel-Sater K.A. and Sokar S.S. (2013): Effect of acetylsalicylic acid and at1 receptor antagonism on vascular oxidative stress in hypertensive rats. **Life Science Journal** ; 10(2): 2638-2648.

On line: http://www.lifesciencesite.com/lj/life1002/366_B01498life_1002_2638_2648.pdf

Q1 SJR 2023 1.26

6-Soha S. Essawy , Khaled A. Abdel-Sater and Amani A. Elbaz (2013): Comparing the effects of inorganic nitrate and allopurinol in renovascular complications of metabolic syndrome in rats: role of nitric oxide and uric acid. Archives of Medical Science, 2014, DOI: 10.5114/aoms.2013.33222

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4107240/>

Q2 SJR 2023 0.69

7- Mansour H, Abdel-Sater K. Modulatory Effect of Green Tea on Lipid Metabolism and Brain Neurotransmitters of Obese Mice Model. Medicine and Pharmacy Reports [Internet]. 15Feb.2014 [cited 31Oct.2024];85(3):347-52. Available from: <https://medpharmareports.com/index.php/mpr/article/view/172>

Q2 SJR 2023 0.37

8- K.A. Abdel-Sater and H. Mansour (2012): Effects of leptin on metabolic bone turnover in ovariectomy rats. Acta Endocrinologica (Buc), vol. VIII, (2): 189-198

doi: 10.4183/aeb.2012.189. <http://www.acta-endo.ro/Archive/Search?author=Mansour>

Q3 SJR 2023 0.31

9- **Khaled Abdel-Sater and Hamdy Mansour (2013)**: Bone biomarkers of ovariectomised rats after leptin therapy. Bratisl Lek Listy; 114 (6): 303-307.

DOI: 10.4149/BLL_2013_064

Q3 SJR 2023 0.31

10- **Omyma Galal Ahmed, Khaled Ahmed Abdel-Sater Eliwa, Sabah Ahmed Mohamed Fadel, Sahar marei Zaki, Rana Toghhan Ahmed Farag (2023)**: Pathogenesis of T2DM-induced cognitive impairment and possible role of PCG1- α /FNCD5/BDNF pathway. *IJCBS*, 23(3) (2023): 122-128.

Q4

<https://www.iscientific.org/wp-content/uploads/2023/09/18-IJCBS-23-23-3-25.pdf>

11- **Khaled A. Abdel-Sater (2009)**: Gastroprotective effects of Nigella Sativa oil on the formation of stress gastritis in hypothyroidal rats. *Int J Physiol Pathophysiol Pharmacol*, 1(2):143-149,2009.

ISI Impact Factor = 2.154

On line: <http://www.ijppp.org/files/IJPPP902001.pdf>

12- **Khaled A. Abdel-Sater, Misbahuddin Mohd Rafeeq and Mohammed Mohiuddin (2012)**: Effects of vitamins D supplementation on cold restraint stress induced oxidative stress in rats. African journal of pharmacy and pharmacology, vol 6 (41): 2880-2883.

doi: 10.5897/AJPP12.359.

<http://www.academicjournals.org/journal/AJPP/article-abstract/C768AFC30254>

ISI Impact Factor = 0.5

13- **Adel Shalaby, Khaled A. Abd El-Sater, Ahmed Mostafa Hassan and Mohamed El-Fiky (2015)**: Sex differences in some physiological effects of cold season or short-term cold exposure in adult albino rat. *Endocrinology & Metabolic Syndrome*. 4:159.

On line: <http://www.omicsonline.org/open-access/sex-differences-in-some-physiological-effects-of-cold-season-2161-1017.1000159.pdf.php?aid=40703>

14- **Khaled A. Abdel-Sater (2008)**: Effects of exercise on cardiovascular dysfunctions induced by cigarette smoking. *Journal of Stress Physiology & Biochemistry*, vol. 4, No. 2 pages 14-29. **On line:** http://www.jspb.ru/issues/2008/N2/JSPB_2008_2_14-29.pdf

13-

15- **Basma Kamal Ramadan, Shebl Ramadan Samaha, Khaled Abdel-Sater, Eman Ahmed El- Sawaf and Mona Schaalán (2012)**: Potential protective effects of garlic on acute testicular injury in rats. *Research Journal of Medicine and Medical Sciences*, 7(1): 10-19.

On line: <http://www.aensiweb.com/rjmms/rjmms/2012/10-19.pdf>

16- **Mohamed Hashem Ibrahim, Mohamad Sayyed Bakheet, and Khaled A Abdel-Sater (2013)**: Relationship between vitamin D and disease activity in some rheumatic diseases. *International Journal of Nutrition and Metabolism*. Vol.5(7), pp. 114-127.

DOI:10.5897/IJNAM2013.053

17- **Khaled A Abdel-Sater and Ahmed Mostafa M. Hassan (2014)**: Effects of combination of carvedilol and melatonin on induced metabolic syndrome in rats. *Biochem Physiol* 3: 137. **On line:**

<http://omicsgroup.org/journals/effects-of-combination-of-carvedilol-and-melatonin-on-induced-metabolic-syndrome-in-rats-2168-9652.1000137.php?aid=26998>

ISI Impact Factor = 0.8

18- **Khaled A. Abdel-Sater (2011)**: Physiological positive feedback mechanisms. *Am. J. Biomed. Sci.*, 3(2), 145-155; doi: 10.5099/aj110200145.

http://www.nwpii.com/ajbms/papers/AJBMS_2011_2_08.pdf

19- **Khaled A. Abdel-Sater (2015)**: Pathophysiology of the Endothelium. *EC Cardiology*, 1(1): 17-26.

<https://www.econicon.com/eccy/cardiology-ECCY-01-00003.php>

- 20- Adel Shalaby, Khaled Abdel-Sater, Gamal El-Din Abdel-Hamid, Ahmad M. Hassan, Ahmad S. Nour El-Deen (2016):** Hepatorenal changes by nigella sativa seeds powder in diabetic rats. **Pak J Physiol**;12 (2).
<http://pjp.pps.org.pk/index.php/PJP/article/view/487>.
- 21- Khaled A. Abdel-Sater (2018):** Physiology of the Aquaporins. Review. **Am. J. Biomed. Sci.**, 10 (3):167-183;doi:10.5099/aj180300167.
<https://www.nwpii.com/ajbms/papers/20180305Abs.shtml>.
- 22- Eman S. Abdul Hamid and Khaled A. Abdel-Sater (2021):** Effects of underwater environment on different body functions. **Am. J. Biomed. Sci.**,13(2),51-59; doi:10.5099/aj210200051
- 23- Alaa Ramadan, Mohamed Diaa, Khaled A. Abdel-Sater (2021):** Impact of electronic cigarettes on the liver. **J Med Biol Sci.**, 1(1): 103.
- 24- Rana Toghhan and Khaled A. Abdel-Sater (2021):** Physiology of non-voltage-gated ion channels Review. **Am. J. Biomed. Sci.**, 13 (4):192-2000 doi:10.5099/aj210400192.
- 25-Aml A. Mohamed, Khaled A. Abdel-Sater, Saly Y. Abdel-Hamid and Hayam Z. Thabet (2006):** Role of nitric oxide in the pathophysiology of lead- induced cardiovascular diseases in rats. Assiut Medical Journal vol. 30, No. 3, September 2006 pages 209-222 . **Online**:<http://www.aun.edu.eg/arabic/books/mawsoaaEN2010.pdf>
- 26-Khaled A. Abdel-Sater, Ali A. A. Khalil and Ebtihal A. Abdel- Aziz (2006):** Meabolic characterization, plasma leptin and insulin resistance of stressed rats. **Al-Azhar Assiut Medical Journal (AAMJ)**, 4 (3) : 91-102.
www.aamj.eg.net/journals/pdf/865.pdf
- 27-Ali A. A. Khalil, Khaled A. Abdel-Sater and Amani El Baz (2007):** Renovascular protective effects of the angiotensine converting enzyme inhibitor, ramipril and the angiotensin receptor blocker, losartan in expermintally diabetic rats. Suez Canal Univ. Medical Journal, 10 (1) :107-116.
- 28-Ebtihal A. Abdel- Aziz, Faten M. Omran, Khaled A. Abdel- Sater, Ehab S. El- Khayat, and Ola M. Omran (2007):** Effects of henna leaf (lawsonia inermis) on biochemical and pathological alterations in chemically – induced cancer breast in albino female rats. Assiut Medical Journal. 31, (2) :39-52 .
- 29-Yaser M. Ashour, Ali A. A. Khalil and Khaled A. Abdel-Sater (2008):** Combination of aspirin and metformin therapy may affect liver function tests and inflammatory mediators in expermintally diabetic rats. Suez Canal Univ. Medical Journal vol., No. 1.
- 30- Hoda M. Moghazy1, Ahmed MostafaMahmoud1, Ashraf M.A. Ali1, Khaled A. Abdel-Sater (2019):** Role of orexin 1 receptor blocker sb-334867 on changes of triglyceride and cholesterol metabolisminduced by paradoxical sleep deprivation in adult male rats. **Sohag Medical Journal**, 23(2):1-6.
- 31- Sotohy A. Sotohy, Khaled A. Abdel-Sater, Mohamed A. Mahmoud and Asmaa H. Abdel-Kareem (2019):** Physiological effects of perinatal stress on hypothalamic-pituitary-adrenal (hpa) axis in rat pups with model of hyperthyroidal mothers. **Assiut Vet. Med. J.** 65 (160),1-9.
- 32- Yasser M. Ashour, Khaled A. Abdel-Sater, Ahmad A. Abdel-Hakeem, Ahmmad R. Hamed and Shimaa F. Abdel-Latif (2020):** Effects of prenatal stress exposure on stress neurohormonal axis in rat pups of thyroid disturbed mothers. **MJMR**, 31 (2):261-271.
- 33-Rana Toghana, Rehab H. Abdel-Aziza, Tahany Abbasb, Khaled A. Abdel-Sater (2021):** A new regimen for induction of metabolic syndrome and the effect of febuxostat in ovariectomized female albino rats. **SVU-IJMS**, 4(2):99-107.
- 34-M.Ashraf A.Ali, Hoda M. Moghazy1, Ahmed MostafaMahmoud1, Dina M.monir1, Rasha Abdeen Refaei1, Khaled A. Abdel-Sater (2022):** Updates Regarding Neurocircuits and Neurotransmitters Involved in the Regulation of Wakefulness. **Sohag Medical Journal**, 25 (1): 34-41.
- 35-Omya Galal Ahmed, Khaled A. Abdel-Sater, Rana Toghhan, Sabah Ahmed Mohamed Fadel, Sahar Marei Zaki. (2023).** Vitamin D mitigates hippocampus apoptosis induced by diabetes. **SVU-IJMS**, 6(2):586-596.

Sharing in international book (peptic ulcer)

Khaled A. Abdel-Sater (2011). Herbal Treatment of Peptic Ulcer: Guilty or Innocent, Peptic Ulcer Disease, Jianyuan Chai (Ed.), ISBN: 978-953-307-976-9, InTech,
<http://www.intechopen.com/articles/show/title/herbal-treatment-of-peptic-ulcer-guilty-or-innocent>

Scientific Contribution as A Reviewer:

Dr. Khaled has been appointed as an external reviewer for the following medical journals:

- 1- African Journal of Biochemistry Research.
- 2- International Journal of Medicine and Medical Sciences (IJMMS).
- 3- Sultan Qaboos university medical sciences journal.
<http://web.squ.edu.om/squmj-central/articles/Thanks-2-%20Reveiwers.pdf>
- 4-King Abdulaziz City for Science and Technology (KACST).
- 5-Scientific Research of Qassim University.

One of Editorial board of Al-Azhar Assiut Medical Journal from 2017- up to date.

An award for excellence in research: Highest evaluation score in research gate for staff members in Faculty of Medicine, Al-Azhar University, Assuit – 2015.