



## CURRICULUM VITAE



**Ghada Saad Zaghloul Ahmed Mahmoud, MD, PhD**

Assiut University, School of Medicine

Department of Medical Physiology

71515 Kornish Al Ibrahimeya, Qesm Than Asyut, Assiut Governorate

ghadaszam@aun.edu.eg

CONTACT INFORMATION			
Current Address	Medical Education Building	Home Tel. No.	002(088) 2147358
	3 <sup>rd</sup> Floor, RM	Work Tel No.	002(088) 2141991
	Faculty of Medicine, Assiut University	Mobile No.	00201069651669
	Assiut, Egypt.	E-mail ID.	ghadaszam@gmail.com
Home Address (Permanent Address)	Ahmed Hasan Baqouri Street		
	El-Safwa Towers, Bldg.5, Eighth floor, Apt. 31		
	Assiut 71511, Egypt		
EDUCATION			
Degree	Bachelor	Master	PhD
University Name	Assiut University	Assiut University	Marshall University
Country	Egypt	Egypt	WV, USA
Date of obtaining degree	1991	1997	2005
Bachelor (Major / Specialization)	Medicine and Surgery		
Master (Major / Specialization)	Physiology		
Title of Master Thesis	A biological study of prostaglandin F2 alpha and oxytocin on the uterine contractility of pregnant and non-pregnant rabbits.		
PhD (Major / Specialization)	Biomedical sciences with area of emphasis “Neurophysiology”		
Title of Ph.D. Dissertation	Mechanisms of growth hormone enhancement of excitatory synaptic transmission in CA2 area of rat hippocampus		
ACADEMIC APPOINTMENTS AND PROFESSIONAL EXPERIENCE			
2021-Present	Professor in the Department of Medical Physiology, Faculty of Medicine, Assiut University, Assiut, Egypt		
2015-2021	Assistant professor in the Department of Medical Physiology, Faculty of Medicine, Assiut University, Assiut, Egypt		
2015-2017	Assistant professor in the Department of Medical Physiology, Faculty of Physical Therapy, Deraya University, Minya, Egypt		
2008-2012	Assistant professor in Department of Neurobiology and Human Function, Oman Medical College, Sohar campus, Sultanate of Oman		
2005-2014	Lecturer in Department of Medical Physiology, Faculty of Medicine, Assiut University, Assiut, Egypt		

2001-2005	Graduate Research Assistant in the Department of Physiology at Marshall University – Joan C. Edwards School of Medicine, Huntington, WV, USA
2001-2005	Ph.D. graduate student in the Biomedical Sciences Program at Marshall University with an Area of Emphasis in Physiology – Joan C. Edwards School of Medicine, Huntington, WV, USA
1997-1999	Assistant Lecturer in Department of Physiology, Faculty of Medicine, Assiut University, Assiut, Egypt
1993-1997	Instructor in Department of Physiology, Faculty of Medicine, Assiut University, Assiut, Egypt
1992-1993	Pediatric Resident Physician in the Department of Pediatric, Faculty of Medicine, Assiut University, Assiut, Egypt
1991-1992	General Practitioner Physician (intern) at Assiut University Hospitals and Ministry of Public Health Hospitals, Egypt
<b>COURSES TAUGHT</b>	
Human Function for Medical Students (CCMD430) [ Physiology of CVS, Renal, Nerve and Musde] for graduate, and fourth year medical students: teaching Lectures & Laboratory instruction and setting-up exams, grading and evaluating the students' performance in the exams, 2008 – 2012	
Neurophysiology for Medical Students (CCMD 475) [Neuroanatomy, and Neurophysiology] for graduate, and fourth-year medical students: teaching Lectures & Laboratory instruction and setting-up exams, grading and evaluating the students' performance in the exams, 2008 – 2012	
Problem-Based Learning for Medical Students (PBL 401) for graduate, and fourth-year medical students: teaching and facilitating small group discussions, setting-up exams, grading and evaluating the students' performance in the exams, 2009 – 2012	
Physiology for the School of Nursing for undergraduate students, 2012	
Pathophysiology for School of Nursing for undergraduate students, 2012	
Biophysics for clinical pharmacy students (Pharm.D.101) for undergraduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2013, 2014.	
Human Physiology for Students of Faculty of Nursing (MD101) for Under-graduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2014.	
Human Physiology for Dental Students (DMD) [Muscle and nerve, Neurophysiology] for Under-graduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2013-2014.	
Human Physiology for Medical Students (MD) [Endocrinology, Reproduction, and Metabolism] for Under-graduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2013-2014.	
Human Physiology for Physical Therapy students (P.T.1012) for Undergraduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2015-2017.	
Human Physiology for Medical Students (MD) [Neurophysiology, Physiology of special sense] for Undergraduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2017-2018.	
Human Physiology for Dental Students (DMD) [Physiology of blood, Endocrine Physiology] for Undergraduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2017-2018.	
Human Physiology for Dental Students (Pharm.D.) [Physiology of Autonomic nervous system, Reproductive Physiology, Physiology of digestive system] for Under-graduate students: teaching Lectures and setting-up exams, grading and evaluating the students' performance in the exams, 2017-2018.	

## PRESENTATIONS

1. Positive effects of systemic sodium benzoate and olanzapine treatment on activities of daily life, spatial learning, and working memory in ketamine-induced rat model of schizophrenia. The 7th Conference of the Egyptian Society of Physiological Sciences (ESPS) Entitled "Male Health Basic and Practice" was Hosted by the Physiology Department, Assiut University Faculty of Medicine on the 21st of November 2018.
2. Mahmoud GS. Effects of Co-Application of Corticosterone and Growth Hormone on Hippocampal Neurons Involve NMDA Receptor Upregulation of NR2B Protein Expression and Increasing NR2B/NR2A Ratio, Egyptian Society of Physiological Sciences, 3<sup>rd</sup> Annual Conference, Physiology department, Faculty of Medicine, Tanta University, 2014.
3. Mahmoud GS. The stressed hippocampus, synaptic plasticity, and lost memories. Deans lecture, Clinical Review, OMC, Sohar Campus, Oman, 2012.
4. Mahmoud GS. Vitamin D Status and Arterial Hypertension. Deans lecture, Clinical Review, OMC, Sohar Campus, Oman, 2009
5. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. 18<sup>th</sup> Annual Research Day. Huntington, WV, USA, March 2004
6. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. Research talk Seminar, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, October 2004
7. Mahmoud GS. Learning and Memory. Lay Talk Seminar, Marshall University, College of Liberal Arts, Department of Communication Studies, Huntington, WV, March 2004
8. Mahmoud GS. Effects of REM Sleep Deprivation on Hippocampal Memory Function- Possible Role of Growth Hormone. 17<sup>th</sup> Annual Research Day. Huntington, WV, USA. March 2004
9. Mahmoud GS. The cerebral cortex; Intellectual function of the brain; Learning and Memory. Biomedical Sciences Lecture, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, Fall, 2003
10. Mahmoud GS. Neural Stem Cells. Biomedical Sciences Lecture, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, April 2002
11. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. 18<sup>th</sup> Annual Research Day. Huntington, WV, USA. March 2005

## PUBLICATIONS

1. Omya G Ahmed, **Ghada S Mahmoud**, Selvia S Samy, Sally A Sayed. The protective effect of melatonin on chronic paradoxical sleep deprivation induced metabolic and memory deficit in rats. *Int J Physiol Pathophysiol Pharmacol*. 2023 Jun 15;15(3):56-74. PMID: 37457649; PMCID: PMC10349320.
2. **Mahmoud GS**, Hosny G, Sayed SA. The protective effect of olanzapine on ketamine-induced cognitive deficit and increased NR1 expression in rat model of schizophrenia. *Int J Physiol Pathophysiol Pharmacol*. 2021 Apr 15;13(2):22-35. PMID: 34093963; PMCID: PMC8166812.
3. **Mahmoud GS**, Hosny G, Sayed SA. Hepatoprotective effect of trypsin/chymotrypsin against olanzapine-induced non-alcoholic steatohepatitis in rats. *Can J Physiol Pharmacol*. 2021 Oct;99(10):1088-1096. doi: 10.1139/cjpp-2021-0075.

4. Abd El-Mottaleb NA, **Mahmoud GS**, Negm EA, Abdel maksoud FM. Garlic antagonizes skeletal muscle ischemia reperfusion injury through regulating inflammation, apoptosis and desmin expression in adult male rats. *Int J Physiol Pathophysiol Pharmacol* 2019;11(4):126-137.
5. **Mahmoud GS**, El-Deek HE. Melatonin modulates inflammatory mediators and improves olanzapine-induced hepatic steatosis in rat model of schizophrenia. *Int J Physiol Pathophysiol Pharmacol* 2019;11(3):64-75.
6. **Mahmoud GS**, Sayed SA, Abdelmawla SN, Amer MA. Positive effects of systemic sodium benzoate and olanzapine treatment on activities of daily life, spatial learning and working memory in ketamine-induced rat model of schizophrenia. *Int J Physiol Pathophysiol Pharmacol* 2019;11(2):21-30.
7. Hassnen ML, **Mahmoud GS**, Dakrory MH, Al Nozhe FM. Effects of Ascending an Inclined Surface versus Backward Walking on Flat Surface on Dynamic Balance in Healthy Older Adult Males. *Current Journal of Applied Science and Technology*, 23(5): 1-10, 2017; Article no. CJASt.35673 Previously known as British Journal of Applied Science and Technology ISSN: 2231-0843, NLM IC: 101664541.
8. **Mahmoud GS**, Elbedewey MA, Abdelkader AM, Bekheet AB, El-Kossy DM, Sabbahi SA. Effects of Ultrasound versus Low Level Laser Therapy in Levofloxacin-Induced Rat Model of Knee Osteoarthritis. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* Vol. I(I) Ver. X, June: 78-85, 2017. e-ISSN: 2279-0853, p-ISSN: 2279-0861. DOI: 10.9790/0853-1606017885
9. **Mahmoud GS**, Mohamed AA, Abdelmawla SN, Hussein AW. Alpha Tocopherol Improves Activities of Daily Life, Glucose Homeostasis and Reduces IL-10, IL-18 and TNF-alpha in D-Galactose and Aluminum Chloride-Induced Rat Model of Alzheimer's Disease. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* Vol. 16(6) Ver. X, June: 08-10, 2017. e-ISSN: 2279-0853, p-ISSN: 2279-0861. DOI: 10.9790/0853-1606100810
10. **Mahmoud GS**, Mostafa DG. Vitamin D Aggravates the Metabolic Side Effects of Olanzapine in Female Rats. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* Vol. 15(6) Ver. I, June: 12-20, 2016. e-ISSN: 2279-0853, p-ISSN: 2279-0861. DOI: 10.9790/0853-1506021220
11. **Mahmoud GS**, Abd El-Aziz EA, Muhammed AA. The protective effect of garcinia on cardiovascular system of propylthiouracil induced hypothyroid rat model. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* Vol. 15(6) Ver. XIII, June: 103-112, 2016. e-ISSN: 2279-0853, p-ISSN: 2279-0861. DOI: 10.9790/0853-1506013103112
12. **Mahmoud GS** and Amer AS. Vitamin E Ameliorates the Acute Exercise-Induced Renal and Muscular Damage in Male Albino Rats. Accepted for publication at *Bull. Egypt. Soc. Physiol. Sci.* issue 3, volume 34, 2014.
13. **Mahmoud GS**, Amer AS, Mostafa DG. Functional and Structural Study on the effect of Curcumin on Folic Acid-Induced Acute Kidney Injury. *Bull. Egypt. Soc. Physiol. Sci.* 2014, 34 (2), 265-276.
14. **Mahmoud GS** and Amer AS. Protective effects of vitamin C against nicotine-induced oxidative damage of rat liver and kidney. *IOSR-JESTFT* 2014, 8(12) Ver. IV, 50-63.
15. **Mahmoud GS** and Amer AS. Effects of Co-Application of Corticosterone and Growth Hormone on Hippocampal Neurons Involve NMDA Receptor Upregulation of NR2B Protein Expression and Increasing NR2B/NR2A Ratio. *Bull. Egypt. Soc. Physiol. Sci.*, 2014, Vol. (34), No (1): 11-26.
16. Amer AS, Farghaly HSM, **Mahmoud GS**, and Hamed EA. Effect of tramadol versus indomethacin on gastric mucosa in rat model of nociception: a structural, immunohistochemical and hormonal study. *Assiut Med. J.* 2013, Vol. (37), No. (3), 197-214.
17. **Mahmoud GS**, Amer AS. Effect of Natural Extract of Hydroxycitric Acid on Lipid Profile, Liver and Testes of Adult Male rats. *AAMJ*, 2013, Vol. (11), N. (1), 161-182.
18. **Mahmoud GS** and Amer AS. In vitro study on the effect of corticosterone on synaptic transmission of hippocampal slices.

19. Eun Young Kim, **Mahmoud GS** and Grover LM. REM sleep deprivation inhibits LTP in vivo in area CA1 of rat hippocampus. Neurosci Lett. Jul 20, 2005.
20. **Mahmoud GS.** and Grover LM. Growth Hormone Enhances Excitatory Synaptic Transmission in Area CA1 of Rat Hippocampus J Neurophysiol. 2006 May; 95(5):2962-74.

<b>Books Published</b>	1	Principles of Nerve, Muscle, and Central Nervous System Physiology, 1 <sup>st</sup> Edition. Authors: Ghada Mahmoud. Assiut University Press, 2013, The Egyptian National Library and Archives in Cairo, 20471.
<b>Thesis and Dissertation Published</b>	2	<ol style="list-style-type: none"> <li>1. <b>M.S. Thesis (Physiology)</b> Biological effects of prostaglandin-F2<math>\alpha</math> and oxytocin on uterine contractility of pregnant and non-pregnant rabbits. Assiut University, Faculty of Medicine, Department of Physiology, Assiut, Egypt, 1997.</li> <li>2. <b>Ph.D. Dissertation (Biomedical Sciences with an emphasis in Physiology)</b> Mechanisms of Growth Hormone Enhancement of Excitatory Synaptic Transmission in Hippocampus, Marshall University - Joan C. Edwards School of Medicine, Department of Physiology, Huntington, WV, USA, 2005.</li> </ol>
<b>Abstracts published</b>		<ol style="list-style-type: none"> <li>1. <b>Mahmoud GS.</b>, Grover LM, Green TL. Effects of REM sleep deprivation on hippocampal memory function - Possible Role of Growth Hormone. Marshall University – Joan C. Edwards School of Medicine, 17<sup>th</sup> Annual Research Day. 17:41, 2004</li> <li>2. <b>Mahmoud GS.</b>, Grover LM, Green TL. Effects of REM sleep Deprivation on hippocampal Memory Function - Possible Role of Growth Hormone. Experimental Biology annual meeting, 2004.</li> <li>3. <b>Mahmoud GS.</b>, Grover LM. Growth hormone enhances excitatory synaptic transmission and inhibits long-term potentiation in area CA1 of rat hippocampus. Society for Neuroscience Annual Meeting. Program # 972.14, 2004</li> </ol>
<b>Conferences</b>	5	<ol style="list-style-type: none"> <li>1. 29<sup>th</sup> Annual Conference, Faculty of Medicine, Assiut University held on 23<sup>rd</sup> of November 2012</li> <li>2. Second Annual Conference of Integrated Medicine and Sleep Disorders Society, Assiut University, 13<sup>th</sup> of November 2013</li> <li>3. 3<sup>rd</sup> Annual Conference of ESPS titled "Physiology: A Framework of integrated research" Hosted by Physiology Department, Tanta Faculty of Medicine on 20<sup>th</sup> of March 2014</li> <li>4. 30<sup>th</sup> Annual Conference, Assiut Faculty of Medicine on 26<sup>th</sup> of April 2014</li> <li>5. 4<sup>th</sup> Annual Conference of ESPS titled "Advances of Adiposity and Neurocognition" Hosted by Physiology Department, Alexandria Faculty of Medicine at the Bibliotheca Alexandrina on 19<sup>th</sup> of March 2015.</li> <li>6. The 1<sup>st</sup> International Conference for Deraya University, Faculty of Physical Therapy Entitled "Updating Weight Control" at Conrad Cairo Hotel, 23<sup>rd</sup> February 2017.</li> <li>7. The 6<sup>th</sup> Conference of Egyptian Society of Physiological Sciences (ESPS) Entitled "Recent Advances in Obesity Research" at Human Physiology Department, Medical Research Institute – Alexandria University, 9<sup>th</sup> of November 2017</li> </ol>

		<p>8. The 7<sup>th</sup> Conference of Egyptian Society of Physiological Sciences (ESPS) Entitled "Male Health Basic and Practice" Hosted by Physiology Department, Assiut University Faculty of Medicine on 21st of November 2018.</p> <p>9. The 12<sup>th</sup> Annual Conference of Diabetes and Endocrinology Unit, Internal Medicine Department, Faculty of Medicine, Assiut University In Collaboration with South Egypt Diabetes and Endocrinology Association Entitled "Practical view of some endocrine disorders" for participation in the scientific activities as one of attendance on 13<sup>th</sup> – 14<sup>th</sup> of March, 2019, Assiut.</p> <p>10. The 32<sup>nd</sup> Annual Conference of Assiut University Entitled "Pros and Cons in Medicine" for active participation and attendance held at The administrative building at Assiut University, 23<sup>rd</sup> – 25<sup>th</sup> of March, 2019</p>
<b>Seminars</b>	21	<p>1. Manipulation procedures of the upper quadrant, 29th of March 2015</p> <p>2. Manipulation therapy of the lower quadrant, 30th of March 2015</p> <p>3. Rehabilitation of hand after flexor tendon repair, 21st of December 2015</p> <p>4. Role of physiotherapy in management of chest diseases, 21st of December 2015</p> <p>5. Headache Dilemma Among Clinicians, 5th of March 2016, 5<sup>th</sup> of March 2016</p> <p>6. Rehabilitation of tendons hand repair workshop, 21<sup>st</sup> of March 2016</p> <p>7. Learning and Memory Function of The Brain, 28<sup>th</sup> of March 2016</p> <p>8. Rehabilitation for coronary heart disease patients, May 16th, 2016</p> <p>9. New Trends of Postural Drainage in Chest Diseases, March 18<sup>th</sup>, 2016</p> <p>10. Rehabilitation for coronary heart disease patients, 11<sup>th</sup> of March 2016</p> <p>11. Living with low back pain, May 16<sup>th</sup>, 2016</p> <p>12. Mahmoud GS. The stressed hippocampus, synaptic plasticity and lost memories. Deans lecture, Clinical Review, OMC, Sohar Campus, Oman, 2012.</p> <p>13. Mahmoud GS. The aging hippocampus: cognitive, biochemical and structural findings. Deans lecture, Clinical Review, OMC, Sohar Campus, Oman, 17, May 2011.</p> <p>14. Mahmoud GS. Vitamin D Status and Arterial Hypertension. Deans lecture, Clinical Review, OMC, Sohar Campus, Oman, 2009.</p> <p>15. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. 18<sup>th</sup> Annual Research Day. Huntington, WV, USA. March, 2005</p>

		<p>16. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. 18<sup>th</sup> Annual Research Day. Huntington, WV, USA. March, 2004</p> <p>17. Mahmoud GS. Growth Hormone (GH) Enhances Excitatory Synaptic Transmission and Inhibits Long-Term Potentiation in Area CA1 of Rat Hippocampus. Research talk Seminar, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, October, 2004</p> <p>18. Mahmoud GS. Learning and Memory. Lay Talk Seminar, Marshall University, College of Liberal Arts, Department of Communication Studies, Huntington, WV, March, 2004</p> <p>19. Mahmoud GS. Effects of REM Sleep Deprivation on Hippocampal Memory Function- Possible Role of Growth Hormone. 17<sup>th</sup> Annual Research Day. Huntington, WV, USA, March, 2004</p> <p>20. Mahmoud GS. The cerebral cortex; Intellectual function of the brain; Learning and Memory. Biomedical Sciences Lecture, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, Fall, 2003</p> <p>21. Mahmoud GS. Neural Stem Cells. Biomedical Sciences Lecture, Marshall University - Joan C. Edwards School of Medicine, Huntington, WV, April, 2002</p>
<b>Consultation &amp; Services</b>	3	<p>1. Teaching Faculty Organization of Assiut University, member, 1993-present</p> <p>2. International Student Organization at Marshall University, member since 2001-2005</p> <p>3. Graduate Student Organization at Marshall University - Joan C. Edwards School of Medicine, member since 2001-2005</p>
<b>Training Courses Attended</b>	14	<p>1. "The training program for how to activate the E course" (15hr), FLDC 26-27 August 2018.</p> <p>2. "The training program for how to design the E course" (15hr), FLDC 19-20 August 2018.</p> <p>3. "The training program for effective presentation" (15hr), FLDC 30-31 August 2017.</p> <p>4. "The training program for scientific research funding and grants" (15hr), FLDC 30-31 July 2017.</p> <p>5. "The training program for research ethics" (15hr), FLDC 30-31 July 2017.</p> <p>6. "The training program for student evaluation" (15hr), FLDC 27-28 August 2017.</p> <p>7. "Basic Techniques in Animal Cell Culture" Hosted by Zoology Department, Faculty of Science, Assiut University on 24<sup>th</sup> – 26<sup>th</sup> of March 2015.</p> <p>8. "The training program for quality standards in teaching I" (15hr), FLDC 16<sup>th</sup> of November 2013</p> <p>9. "The training program for how to compete for research fund" (15hr), FLDC, 23<sup>rd</sup> of November 2013</p> <p>10. "The training program for international publishing of research" (15hr), FLDC 10<sup>th</sup> of</p>

		December 2013  11. "The training program for advanced theoretical and practical topics in molecular biology field; PCR types and DNA sequencing, The Molecular Biology Research Unit of Assiut University 16 <sup>th</sup> of December 2013  12. "The training program for code of ethics " (15hr), FLDC 21 <sup>st</sup> of December 2013  13. "The training program for strategic planning" (15hr), FLDC 28 <sup>th</sup> of December 2013  14. "The training program for research team management" (15hr), FLDC 2 <sup>nd</sup> of November 2013  15. Research in Medicine questions to outcome held on 15 <sup>th</sup> of December 2010  16. Radiation Safety Office at Marshall University, Joan C. Edwards School of Medicine, Huntington, WV, USA, 2000	
Participation/Organizing training workshops		Medical Education workshop held on 12 <sup>th</sup> of May 2010  Medical Education Workshop on student assessment held on 6 <sup>th</sup> , 7 <sup>th</sup> May 2009	
Practicing Activities	8	1. Rat handling 2. Behavioral testing (Daily life activities of rats; nesting, Burrowing, Hoarding, Attention set shifting task, Water maze test) 3. Preparation of hippocampal brain slices 4. In vitro electrophysiological recording, field potential recording 5. Analysis of the recording data using Origin software 6. RT-PCR, technique and analysis 7. Western blots, technique and analysis 8. Enzyme-Linked Immunosorbent Assays (ELISA), technique and analysis	
Supervising Thesis	2	Master thesis entitled “The protective effect of garcinia on cardiovascular system of propylthiouracil induced hypothyroid rat model”. 2012 – 2016  PhD thesis entitled “Effect of Garlic Extract on Skeletal Muscle Ischemia Reperfusion in Male Rats” 2013 - present	
Other	1	Reviewer of SQU medical Journal. 2008 - present	
MEMBERSHIP			
Title	Type/Nature	Institution Name	Date
Medical Doctor	Academic membership	Egyptian Medical Syndicate	1991 - present
Faculty member	Academic membership	Egyptian Society of Physiological Science	1993 - present
Graduate student	Academic membership	Federation of American Societies for Experimental Biology	2001 - 2005
Graduate student	Academic membership	The American Physiological Society	2001 - 2005



AWARDS AND HONORS			
1. Recipient of the Marshall University – Biomedical Sciences Program Scholarship to continue studying in the USA for the Ph.D. degree in the Biomedical Sciences with area of emphasis in Physiology, 2001 - 2005			
2. Recipient of the Egyptian Government Scholarship to study Medicine and Surgery at Faculty of Medicine, Assiut University, Assiut, Egypt, 1985 - 1991			
COMPUTER SKILLS			
Software/ Program		Level	
MS Office		Advanced	
E-learning software		Good	
Others		Data acquisition, processing and analysis with good level of knowledge of Statistical Methods and the use of Excel, Sigma Stat 2.03 Network, Sigma Plot 2001, and Origin 5.0 statistical software, and Microsoft Office (Word, Excel, and PowerPoint)	
LANGUAGE SKILLS			
Language		Level	
Arabic		Advanced	
English		Advanced	
Other		French, Deutsch	
References			
1) Name		Todd L. Green, Ph.D.	Contact No. +1(304)696-7329
Professional Relationship		PhD Advisor	E-mail green@live.marshall.edu
Job Title		Associate Professor	Address Department of PhysiologyMarshall University- Joan C. Edwards School of Medicine
2) Name		Lawrence M. Grover, Ph.D.	Contact No. +1(304)696-7328
Professional Relationship		PhD Advisor	E-mail grover@live.marshall.edu
Job Title		Professor	Address Department of PhysiologyMarshall University- Joan C. Edwards School of Medicine 1542 Spring Valley Drive Huntington, WV 25704-9398 Phone:
3) Name		Tom Heming, Ph.D.	Contact No. (968) 26844004 Ext. 103
Professional Relationship		Head of Department of Physiology	E-mail theming@omc.edu.om
Job Title		Associate Dean Professor	Address Department of Human Function Oman Medical College P.O. 391, P.C. 321, Sohar, Sultanate of Oman