

## C. V. of Prof. Dr. Osama Mohamed Ahmed



### PERSONAL DETAILS

<b>Surname</b>	Ahmed
<b>First Name</b>	Osama
<b>Middle Name</b>	Mohamed
<b>Title</b>	Professor of Physiology
<b>Date of Birth</b>	November 24, 1970
<b>Place of Birth</b>	Beni-Suef, Egypt
<b>Gender</b>	Male
<b>Marital Status</b>	Married + (1)
<b>Nationality</b>	Egyptian
<b>Present Address</b>	Experimental Obesity and Diabetes Research Lab, Division of Physiology, Zoology Department, Faculty of Science, Beni-Suef University, Beni-Suef, Egypt
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## Education

School/College/University	Degree obtained	Dates
Faculty of Science, Zoology Department, Cairo University.	Ph. D. in Comparative Physiology	2000
Faculty of Science, Zoology Department, Cairo University.	M. Sc. in Comparative Physiology	1997
Faculty of Science, Zoology Department, Cairo University, Beni-Suef Branch.	B. Sc. in Zoology	1992

## Employment History

Employer	Position	Dates
Head of Zoology Department	Faculty of Science, Zoology Department (Division of Physiology), <b>Beni-Suef University</b> , Beni-Suef, Egypt.	29-9-2011 to 30-9-2017
Professor of Physiology (Endocrinology and Metabolism)	Faculty of Science, Zoology Department (Division of Physiology), <b>Beni-Suef University</b> , Beni-Suef, Egypt.	Years 2010-
Associate Professor of Physiology (Endocrinology and Metabolism)	Faculty of Science, Zoology Department (Division of Physiology), <b>Beni-Suef University</b> , Beni-Suef, Egypt.	Years 2005-2010
Lecturer of physiology	Faculty of Science, Zoology Department, <b>Cairo University</b> , Beni-Suef branch, Egypt.	Years 2000-2005
Assistant lecturer of Physiology	Faculty of Science, Zoology Department, <b>Cairo University</b> , Beni-Suef branch, Egypt	Years 1997-2000
Administrator	Faculty of Science, Zoology Department, <b>Cairo University</b> , Beni-Suef branch, Egypt	Years 1993-1997

## Trainings and Workshops

Training attended/Technical skills acquired	Place	Dates
Molecular Biology (PCR and protein analysis)	Central laboratory, Faculty of Science, Ain Shams University	18-23/2/2006

Genetic Engineering	Research Center, Institute of Graduate Studies and Research, Alexandria University.	16-19 / 3 / 2008
Bioinformatics in Molecular Diagnosis	Research Center, Institute of Graduate Studies and Research, Alexandria University.	20-23 / 4 / 2008
Preparation of Research Project	Faculty and Leadership Development Project (FLDP), Beni-Suef University	10-13 / 7 / 2007
Development of Management Skills	Faculty and Leadership Development Project (FLDP), Cairo University	1-3 / 2 / 2005
Economics and Marketing of Scientific Researches	Faculty and Leadership Development Project (FLDP), Beni-Suef University	23-25 / 6 / 2007
The 2 <sup>nd</sup> International Neuro-immunology Course	International Brain Research Organization (Neuro-immunology School) held in University Hospital, Suez Canal University, Ismailia, Egypt.	24 Nov. – 3 Dec. / 2008
Coordinator of Biological and Medical Analyses Course Teacher in Biological and Medical Analyses Course	Microanalysis, Environmental Research and Community Service Center, Beni-Suef University	9-22 July 2011
Biostatistics and Training on Use of SPSS	Zoology Deptment, Faculty of Science, Beni-Suef University, Egypt.	9-22/7 /2011
Speaker in the Target Meeting's (TM's) 3rd World Diabetes and Obesity Online Conference. Title of Presentation " Adipokines and a link between obesity and type 2 diabetes mellitus".	Online Meeting	19-21 September 2013
Preparation of Experts in Strategies of Higher Education	Faculty and Leadership Development Center, Beni-Suef University, Egypt.	
Recent Advances in Chemistry and Biology of Natural Products (Organizer and Speaker)	Faculty of Science and Faculty of Pharmacy, Beni-Suef, Egypt. Funded by Science and Technology	3-4 August 2014

	Development Fund (STDF), Academy of Scientific Research and Technology (ASRT), Egypt.	
International workshop on: 1- Nanotechnology: A tool Nutraceuticals Delivery in fish by Dr. Subodh Gupta 2- Molecular Approaches in systematics, phylogeny and evolution by Prof. Dr. Abdel Fattah Badr The workshop is organized by The Egyptian Society of Experimental Biology (ESEB)	Hurghada, Egypt	22-26 Feb. 2015
Basic techniques in cell culture and stem cell research"	Medical Technology Center for Research and Services, Medical Research Institute, Alexandria University.	2-4 February 2016
Experimental Animal Ethics and Their Role in International Publishing	Beni-Suef University, Egypt	28 March 2017
Techniques of Stem Cell Separation and Culture	Center of Excellence in Molecular Biology and Cellular Medicine, Faculty of Medicine, Suez Canal University, Egypt	14-15 Feb. 2018
Workshop on Web of Science Journal Selection Process	Academy of Scientific Research and Technology, Egypt organized by EKB and A Clarivate Analytics Company	Feb. 25 <sup>th</sup> , 2019
Workshop held by Springer Nature at Academy of Scientific Research and Technology for Editors of the Egyptian Journals	Academy of Scientific Research and Technology, Egypt	8 April 2019

### Membership of professional associations

Professional body	Level of membership	Year of award
Member in the Egyptian -German Society of Zoology, Zoology Department, Cairo University	Member	2002- 2012

Member in the Society of the Union of Arab Biologists, Zoology Department, Cairo University	Member	2002-2010
Member in the Egyptian Society of Zoology, Zoology Department, Cairo University	Member	2006-2013
Member in the Society of Natural Toxins, Zoology Department, Suez Canal University	Member	2006-2013
Member in the Egyptian Society of Toxicology, Ain Shams University	Member	2006-2008
Member in the International Brain Research Organization (IBRO)	Member	2008-2013
Member in the Neuroscience Group of Egypt (NGE)	Member	2008-2009
Member in the African Neuroscientists Union or Group	Member	2009
Reviewer in European Journal of Medicinal Chemistry	Reviewer (Referee)	2009-2013
Reviewer in Journal of Endocrinological Investigation	Reviewer (Referee)	2010
Reviewer in Journal of Medicinal Plants Research	Reviewer (Referee)	2010
Reviewer in Bioorganic and Medicinal Chemistry	Reviewer (Referee)	2011
Reviewer in Gene (Elsevier)	Reviewer (Referee)	2012
Reviewer in Experimental Diabetes Research	Reviewer (Referee)	2013
Endocrine	Reviewer (Referee)	2014
Deputy Editor of Beni-University Journal of Basic and Applied Sciences (BJBAS)	Deputy Editor	2013
International Biographical Center(IBC), Cambridge, England	<b>As one of the Leading health Professionals of the World</b>	2009
	<b>And as one of the Leading Scientists of the World</b>	2009
International Biographical Center(IBC), Cambridge, England	<b>Top 100 scientists in the arena of Physiology</b>	2010
Co-principal investigator STDF project (ID: 152) <b>entitled:</b> "Search for novel anti-hyperglycemic and anti-hyperlipidemic plant and algal constituents affecting the mediators of insulin resistance in experimental obesity and type 2 diabetes mellitus". Period of project is two years.	<b>Co-principal investigator</b>	11-3-2010 to 11-3-2013
Principal investigator of Beni-Suef University Project entitled "Search for novel anticarcinogenic algal constituents targeting the initiation, promotion and progression of chemical	<b>Principal investigator</b>	One year project

hepatocarcinogenesis in experimental animals"		2013-2014
Executive Manager of Microanalysis, Environmental Research and Community Service Center, Beni-Suef University	<b>Executive Manager</b>	27 Nov. 2010- Oct. 2011.
Conference Secretary and Coordinator of The 19th Conference of the Egyptian German Society of Zoology	<b>The 19th Conference of the Egyptian German Society of Zoology held in Faculty of Science, Beni-Suef University at Period 30 April – 1 May 2011</b>	<b>30 April – 1 May 2011</b>
Director of Research Publication Unit in Beni-Suef University.	<b>Director</b>	<b>5/1-2011 - 1/7-2015</b>
Deputy Editor of Beni-University Journal Applied Sciences (BUJAS)	<b>Deputy Editor</b>	<b>2012</b>
Member in the Egyptian Society Experimental Biology (ESEB)	<b>Member</b>	<b>2015</b>
Member of scientific advisory board of Journal of Physiology and Pharmacology advances	<b>Co-Editor</b>	<b>2014-</b>
Co-Editor in Pharmacologia	<b>Co-Editor</b>	<b>2014-2015</b>
Aperto Journal of Endocrine System and Enzymology	<b>Editor</b>	<b>Nov. 2014-</b>
Hepatoma Research	<b>Editorial Board Member</b>	<b>Jan. 2014-2017</b>
Member in Committee of on Publication Ethics - COPE	<b>Editorial Board Member</b>	<b>Jul. 2014-</b>
SM Journal of Biology	<b>Editorial Board Member</b>	<b>Dec. 2015-</b>
The Journal of Etiology and Animal Health	<b>Editorial Board Member</b>	<b>Oct. 2015-</b>
Cancer Medicine & Anti-Cancer Drugs <a href="http://www.omicsonline.org/editorialboard-cancer-medicine-anti-cancer-drugs.php">http://www.omicsonline.org/editorialboard-cancer-medicine-anti-cancer-drugs.php</a>	<b>Editorial Board Member</b>	<b>Feb. 2016-</b>
International journal of clinical endocrinology and metabolism <a href="http://www.peertechz.com/Clinical-Endocrinology-Metabolism/editorialboard.php">http://www.peertechz.com/Clinical-Endocrinology-Metabolism/editorialboard.php</a>	<b>Editorial Board Member</b>	<b>Oct. 2015-</b>

Jacobs Journal of Enzymology and Enzyme Engineering <a href="http://www.jacobspublishers.com/index.php/journal-of-enzymology-and-enzyme-engineering-editorial-board">http://www.jacobspublishers.com/index.php/journal-of-enzymology-and-enzyme-engineering-editorial-board</a>	<b>Editorial Board Member</b>	<b>Nov. 2014-</b>
Aperto Journal of Endocrine System and Enzymology <a href="http://aperito.org/journal/ebm_display/20">http://aperito.org/journal/ebm_display/20</a>	<b>Editorial Board Member</b>	<b>Dec. 2015-</b>
International Workshop on "Recent Advances in Chemistry and Biology of Natural Products", at 3-4 August 2014, held in Faculty of Science and Faculty of Pharmacy, Beni-Suef, Egypt. Funded by Science and Technology Development Fund (STDF), Academy of Scientific Research and Technology (ASRT), Egypt.	<b>Organizer and Speaker</b>	<b>2014</b>
Journal of Medicine and Medical Sciences. Title of reviewed article "Metformin Improves Insulin Secretion and Reduces Insulin Resistance in People at High Risk for Development of Type 2 Diabetes Mellitus and Cardiovascular Disease"	<b>Reviewer</b>	<b>March 2016</b>
Endocrine, Metabolic & Immune Disorders - Drug Targets. Title of reviewed article "Gonadal Hormones in Adolescent Females with Beta- Thalassemia in relation to Iron load"	<b>Reviewer</b>	<b>March 2016</b>
Chemico-Biological Interactions Title of reviewed article "Antioxidant, antilipidemic and antidiabetic effects of ficusin with their effects on GLUT4 translocation and PPAR $\gamma$ Expression in high fat streptozotocin induced type 2 diabetic rats. Ms. Ref. No.: CHEMBIOINT-D-16-00169".	<b>Reviewer</b>	<b>April 2016</b>
European Journal of Medicinal Chemistry. Title of reviewed article "Fragment-based design, synthesis, and biological evaluation of 1-substituted-indole-2-carboxylic acid as selective Mcl-1 inhibitors"	<b>Reviewer</b>	<b>April 2016</b>
Title of reviewed article Comparative analysis of analgesic and anti-inflammatory activities of bark and leaves of Acacia ferruginea DC" Beni-Suef University Journal of Basic and Applied Sciences	<b>Reviewer</b>	<b>Feb. 2016</b>
Title of reviewed article "Therapeutic effect of thiazolidinedione on hepatosteatosis via regulating Stearoyl CoA desaturase, lipase activities and obesity hormone" <b>Experimental and Therapeutic Medicine.</b>	<b>Reviewer</b>	<b>Dec. 2017</b>
<b>BSU Excellence Award</b> ( الفوز بجائزة التفوق لجامعة بني سويف )	<b>Winner of BSU Excellence Award</b>	<b>2014</b>
<b>State Incentive (encouragement) Award</b> ( الفوز بجائزة الدولة التشجيعية )	<b>Academy of Science and Technology, Egypt</b>	<b>2014</b>
- Principal investigator of National Project The project titled "Therapy of type 1 and type 2 diabetes mellitus with stem cells and adult somatic cells trasdifferentiated into pancreatic $\beta$ -cells by direct reprogramming" Fund: 100,000 EP	<b>Principal investigator</b>	<b>2015-2016 2<sup>nd</sup> round Projects.</b>

- <b>Principal investigator</b> of the project entitled "Assessment of the Efficacy of Various Citrus Flavonoids on Experimentally-Induced Arthritis" Project ID (2015-6-ع). Fund: 15,000 EP. Funded by Faculty of Science, Beni-Suef University.	<b>Principal investigator</b>	<b>2015</b>
- Journal of Cellular Biochemistry: reviewing of manuscript # JCB-17-1545 entitled "Hypothyroidism and hyperthyroidism change ectoenzyme activity in rat platelets".	<b>Reviewer</b>	<b>Dec., 2017</b>
-Journal of Applied Biomedicine: reviewing of manuscript # JAB_2017_308 entitled "Naringenin alleviates high D-glucose-induced injuries through upregulation of microRNA-30d-5p level in human AC16 cardiac cells"	<b>Reviewer</b>	<b>Dec., 2017</b>
- <b>Co-investigator</b> of the project entitled "Assessment of the Improvement Efficacy and the Mechanisms of Action of Citrus Peel Extracts and Flavonoids in Experimentally-Induced Arthritis". Fund: 40,000 EP.	<b>Co-investigator</b> Competitive projects, Beni-Suef University.	<b>2016</b>
- <b>State first class privilege 2017 in Egypt</b>		<b>2017</b>
-CRESSCO Journal of Enzymology and Endocrinology	<b>Member in the editorial board</b>	<b>2016</b>
-Diabetes & Obesity International Journal (DOIJ)	<b>Member in the editorial board</b>	<b>2017</b>
-The Science Advisory Board	<b>Member in the advisory board</b>	<b>2016</b>
-Jacobs Journal of Entomology and Zoological Studies	<b>Member in the advisory board</b>	<b>2016</b>
-EC Gynaecology	<b>Editorial Board Member</b>	<b>2017</b>
-Reports in Cancer and Treatment <a href="https://www.rroij.com/editorialboard-reports-in-cancer-and-treatment.php">https://www.rroij.com/editorialboard-reports-in-cancer-and-treatment.php</a>	<b>Editorial Board Member</b>	<b>2017</b>
-Diabetes and Obesity - <a href="http://riverapublications.com/journal/diabetes-obesity">http://riverapublications.com/journal/diabetes-obesity</a>	<b>Editorial Board Member</b>	<b>2017</b>
-Annals of Thyroid Research <a href="http://austinpublishinggroup.com/thyroid-research/editorialBoard.php">http://austinpublishinggroup.com/thyroid-research/editorialBoard.php</a>	<b>Editorial Board Member</b>	<b>2017</b>
<b>Research Journal of Oncology</b>	<b>Editorial Board Member</b>	<b>2017</b>
<b>International Journal of Diabetes and Metabolic Disorders</b>	<b>Editorial Board Member</b>	<b>2017</b>
<b>Open Access Journal of Toxicology (OAJT)</b> <a href="https://juniperpublishers.com/oajt/editorialboard.php">https://juniperpublishers.com/oajt/editorialboard.php</a>	<b>Associate editor</b>	<b>2017</b>
<b>Journal of Phytochemistry and Biochemistry</b>	<b>Editorial Board Member</b>	<b>2017</b>

<b>Reports in Cancer and Treatment</b> <a href="https://www.rroij.com/editorialboard-reports-in-cancer-and-treatment.php">https://www.rroij.com/editorialboard-reports-in-cancer-and-treatment.php</a>	Editorial Board Member	2017
<b>Jenpub Open Access ebook of Diabetes</b> <a href="http://jenpub.com/ebook-diabetes-editorialboard.html">http://jenpub.com/ebook-diabetes-editorialboard.html</a>	Editorial Board Member	2017
<b>Endocrinology Research and Metabolism</b> <a href="http://www.imedpub.com/endocrinology-research-and-metabolism/editors.php">http://www.imedpub.com/endocrinology-research-and-metabolism/editors.php</a>	Editorial Board Member	2017
<b>International Journal of Diabetes: Current Research</b> <a href="http://www.scitcentral.com/editorboard.php?journal=23">http://www.scitcentral.com/editorboard.php?journal=23</a>	Editorial Board Member	2017
<b>SM Pancreatic Disorders and Therapy</b> <a href="http://smjournals.com/pancreatic-disorders/editorial-board.php">http://smjournals.com/pancreatic-disorders/editorial-board.php</a>	Editorial Board Member	2017
<b>Jacobs Journal of Drug Metabolism and Toxicology</b> <a href="http://drugmetabolismandtoxicology.jacobspublishers.com/index.php/editorial-board-drug-metabolism-and-toxicology">http://drugmetabolismandtoxicology.jacobspublishers.com/index.php/editorial-board-drug-metabolism-and-toxicology</a>	Editorial Board Member	2017
<b>Journal of Diabetic Complications &amp; Therapy</b>	Editorial Board Member	2017
<b>The Open Medicinal Chemistry Journal</b> <a href="https://benthamopen.com/TOMCJ/editorial-board/">https://benthamopen.com/TOMCJ/editorial-board/</a>	Associate editor	2017
<b>Annals of Biomedical Research</b> <a href="http://escires.com/annals-of-biomedical-research-editorial-board.html">http://escires.com/annals-of-biomedical-research-editorial-board.html</a>	Editorial Board Member	2017
<b>The Open Diabetes Journal</b> <a href="https://benthamopen.com/todiaj/editorial-board/">https://benthamopen.com/todiaj/editorial-board/</a>	Associate Editorial Board Members	2018
<b>CPQ Medicine</b> <a href="https://www.cientperiodique.com/journal/editorboard/medicine">https://www.cientperiodique.com/journal/editorboard/medicine</a>	Editorial Board Member	2018
<b>CPQ Cancer</b> <a href="http://www.tealeafjournal.com/scientific-name.html">http://www.tealeafjournal.com/scientific-name.html</a>	Editorial Board Member	2018
<b>World Journal of Diabetes</b> <a href="https://www.wjgnet.com/1948-9358/Nav/705">https://www.wjgnet.com/1948-9358/Nav/705</a>	Editorial Board Member	2018
<b>Phab Linx Journal of Diabetes</b> <a href="http://phablinxjournals.com/board.php?type=Diabets">http://phablinxjournals.com/board.php?type=Diabets</a>	Editorial Board Member	2018
<b>Journal of Studies on Diabetes (JSD)</b> <a href="https://uniquepubinternational.com/upi-journals/journal-studies-diabetes-jsd/editorial-board-jsd/">https://uniquepubinternational.com/upi-journals/journal-studies-diabetes-jsd/editorial-board-jsd/</a>	Editorial Board Member	2018
<b>Journal of Phytochemistry and Biochemistry</b>	Editorial Board Member	2018

<b>Journal of Biotechnology and Biomedicine</b> <a href="http://www.fortunejournals.com/journal-of-biotechnology-and-biomedicine/editorial-board.php">http://www.fortunejournals.com/journal-of-biotechnology-and-biomedicine/editorial-board.php</a>	<b>Editorial Board Member</b>	<b>2018</b>
<b>13<sup>th</sup> Scientific Conference of the Zoological Society A. R. Egypt held in Faculty of Science, Beni-Suef University, Egypt.</b>	<b>Organizer</b>	<b>14-15 Oct. 2017</b>
<b>Journal of Medicine and Therapeutics</b> <a href="https://www.oatext.com/Journal-of-Medicine-and-Therapeutics-JMT.php#Editorial Board">https://www.oatext.com/Journal-of-Medicine-and-Therapeutics-JMT.php#Editorial Board</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>Egyptian Journal of Zoology</b> <a href="http://ejz.journals.ekb.eg/journal/editorial.board">http://ejz.journals.ekb.eg/journal/editorial.board</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>Phab Linx Journal of Diabetes</b> <a href="http://phablinxjournals.online/board.php?type=Diabets">http://phablinxjournals.online/board.php?type=Diabets</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>Cientific Clinical Oncology Journal (CCOJ)</b> <a href="https://www.cientificgroup.com/ccoj_eb.php">https://www.cientificgroup.com/ccoj_eb.php</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>Recent Research in Endocrinology and Metabolic Disorder</b> <a href="https://rriemd.com/index.php/rriemd/Editorial-Board">https://rriemd.com/index.php/rriemd/Editorial-Board</a>	<b>Editorial Board Member</b>	<b>April 2019</b>
<b>Journal of Medical Sciences &amp; Clinical Research</b> <a href="https://medisciencejournal.com/editor-board/">https://medisciencejournal.com/editor-board/</a>	<b>Editorial Board Member</b>	<b>June 2019</b>
<b>Journal of Pharmaceutical Sciences and Pharmacology</b> <a href="http://www.scienceinquest.com/journal-of-pharmaceutical-sciences-and-pharmacology/editorial-panel.php">http://www.scienceinquest.com/journal-of-pharmaceutical-sciences-and-pharmacology/editorial-panel.php</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>Biocell</b> <a href="https://www.techscience.com/biocell/body.php?type=editor_board">https://www.techscience.com/biocell/body.php?type=editor_board</a>	<b>Editorial Board Member</b>	<b>2019</b>
<b>The International Journal of Gastroenterology and Hepatology Diseases (Bentham Science).</b> <a href="https://benthamscience.com/journals/the-international-journal-of-gastroenterology-and-hepatology-diseases/editorial-board/#ebm-pic_4">https://benthamscience.com/journals/the-international-journal-of-gastroenterology-and-hepatology-diseases/editorial-board/#ebm-pic_4</a>	<b>Editorial Board Member</b>	<b>2020</b>
<b>Membership of Asian Council of Science editors</b>	<b>Membership</b>	<b>2021</b>

### **Examiner and Evaluator of the following thesis and promotion files:**

- (1) Ph. D. thesis in Biochemistry entitled "The *in vitro* and *in vivo* antioxidative and antidiabetic effects of some african medicinal plants and the identification of the bioactive compounds" (2013) of student Auwal Mohamed Ibrahim, **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa**.
- (2) Ph.D. thesis in Zoology entitled "The effect of vitamin E and thymoquinone on the oxidative stress induced by nicotin in the brain of albino rats" (2013) of student Hussein Gebreel Sawy Mohamed, **Zoology Department, Faculty of Science, Minia University, Egypt**.
- (3) M. Sc. Thesis in Molecular and Integrated Physiology entitled "Effects of levofloxacin and ciprofloxacin on neurotransmitters in selected brain areas of male albino rats" (2011) of student Rabeaa Mohamed Saleh Ayad, **Zoology Department, Cairo University, Egypt**.
- (4) M. Sc. Thesis in Animal entitled "Field studies on some biomarkers in sea catfish, Arius Thalassinus, as indicators of water pollution at Hodeida, Yemen Republic" (2012) of student Yousef Saeed Saleh Kasem, **Zoology Department, Cairo University, Egypt**.
- (5) M. Sc. Thesis in Zoology "The effects of *Origanum majorana* L. extract on atherosclerosis induced in the rabbit" (2012) of student Dina Fouli Ahmed Fouli, **Zoology Department, Ain Shams University, Egypt**.
- (6) Ph.D. thesis in Physiology entitled "The Physiological Role of Three Natural Compounds against High/Fat-Sucrose Diet Induced Metabolic Disorders in Rats" (2013) of student Sohair Mohamad Mahmoud Ragab, **Zoology Department, Assiut University, Egypt**.
- (7) M. Sc. thesis in Biochemistry entitled "Effects of commercially available non-nutritive sweeteners in an experimentally induced rat model of type 2 diabetes" (2014) of student Siphwe Ndumiso Dlamini, **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa**.
- (8) Evaluation of the research work for promotion of the candidate Abdelbasit Ibraheem Ismaaeel Al-Sieni, **Biochemistry Department, Faculty of Science, King Abdel Aziz University, Saudi Arabia** to full professor (2014).
- (9) Evaluation of M. Sc. thesis titled "*In vitro* and *in vivo* activites of *Ulva lactuca* polysaccharides as cancer chemopreventive agents" of student: Gamal El Din Fathi Abdellatif **Zoology Department, Faculty of Science, Beni-Suef University, Egypt**, August, 2012.
- (10) Evaluation of M. Sc. thesis entitled "Gestational diabetes mellitus and its effects on newborns" of the student Lobna Abdel Hamid Ali, **Zoology Department, Faculty of Science, Qena, South Valley University, Egypt**.

- (11) Evaluation of Ph.D. thesis in Physiology entitled "The Physiological and biochemical studies on gamma-irradiated rat treated with dehydroepiandrosterone sulfate (DHEAS)" (2015) of student Gihan Roushdy Abdel-Hamid Hamza, **Zoology Department, Faculty of Science, Ain Shams University, Egypt.**
- (12) Evaluation of the research work for promotion of the candidate Najat Aly Khatter, **Biology Department, Faculty of Science for Girls, King Abdel Aziz University, Jeddah, Saudi Arabia** to full professor (2015).
- (13) Evaluation of the research work for promotion of the candidate Afaf Mokhtar El Atrash, **Zoology Department, Faculty of Science, Tanta University, Egypt,** to full professor in Physiology. Oct. 2015
- (14) Evaluation of M. Sc. thesis titled "Evaluating the Effect of L-Carnitine on Acrylamide - Induced Toxicity in Male Rats" of student Amira Saad Ahmed El Shaer. **Zoology Department, Faculty of Science, Alexandria University,** Sep. 2015.
- (15) Evaluation of the research work for promotion of the candidate **Hend Maarof Tag, Zoology Department, Faculty of Science, Suez Canal University, Egypt** to Associate professor Jan. 2016.
- (16) Evaluation of Ph. D. thesis titled "Studies on Anti-oxidative and Anti-diabetic effects of Some African Natural Products: *in-vitro* and *in-vivo*" of student Mr. Aminu Mohammed in Biochemistry, **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa,** Jan. 2016.
- (17) Evaluation of the research articles of Dr. Amira Anwar Bauomy, **Zoology Department, Faculty of Science, Helwan University, Egypt,** for promotion to associate professor degree. March 2016.
- (18) Evaluation of M. Sc. thesis titled "Toxicokinetics and Toxicodynamics of Aceton in Male Albino Rat" of student Basnat Fawzi Awad Abdel Salam, **Zoology Department, Faculty of Science, Cairo University,** Jan. 2016.
- (19) Evaluation of M. Sc. thesis titled "Chlorpyrifos-induced oxidative damage in male rats and the ameliorating effect of faxseed oil" of student Heba Saleh Mohammed, **Zoology Department, Faculty of Science, Alexandria University,** March 2016.
- (20) Physiological and toxicological evaluation of oyster mushroom (*Pleurotus ostreatus*) on fertility of male rats. M. Sc. Thesis of student: Mohammad Abdelfattah Ahmed, **Zoology Department, Faculty of Science, Alexandria University. June 2016.**
- (21) Evaluation of M. Sc. thesis titled "Evaluation of the preventive effects of silymarin and hydro-ethanolic extract of *Silybum marianum* on diethylnitrosamine/phenobarbital-induced carcinogenesis" of student: Nour Yassin Saber **Zoology Department, Faculty of Science, Beni-Suef University, Egypt,** June, 2016.
- (22) Evaluation of M. Sc. thesis titled "Physiological studies on adult male rats after exposure to noradrenaline and serotonin reuptake inhibitor drug - tramundin" of student Nanees Salaheldin Mohammad Mohammad Alsaadany. **Zoology Department, Faculty of Science, Alexandria University,** Dec. 2016.

- (23) Evaluation of the Ph. D. thesis titled "Studies on the Anti-hyperglycemic Potentials and Possible Mode of Actions of Some Commonly used Sugar Alcohols" of the candidate Chika Ifeanyi Chukwuma, **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa**, Jan. 2017.
- (24) Evaluation of M. Sc. thesis titled "The protective effects of some natural antioxidants against cyfluthrin-induced oxidative damage in male rats" of student Ibtehal Gomaa Mohamed El-Qzaz, **Zoology Department, Faculty of Science, Alexandria University**, Feb. 2017.
- (25) Evaluation of M. Sc. thesis titled "Assessment of the effect of bee venom and/or hesperidin on complete Freund's adjuvant-induced arthritic rats" of student Eman Abdel-Mohsen Ahmed Sayed **Zoology Department, Faculty of Science, Beni-Suef University, Egypt**, Dec. 2016.
- (26) Evaluation of Ph. D. thesis titled " Biochemical Effects of Purslane Ethanolic Extract on Doxorubicin – Induced Toxicity in Albino Rats" of student Haidy Tamer Abo Sree **Biochemistry Division, Chemistry Department, Faculty of Science, Beni-Suef University, Egypt**, May 2014.
- (27) Evaluation of research work for promotion of Dr. Md. Shahidul Islam (Staff number 16578) "Senior Lecturer" to an "Associate Professor" in **the School of Life Sciences, College of Agriculture, Engineering and Sciences of the University of KwaZulu-Natal, South Africa, 2015**.
- (28) Evaluation of Ph. D. thesis titled "Biochemical effects of oyster and button mushroom extracts and carvedilol on ethylene glycol-induced urolithiasis in albino rats" of student Mahmoud Ragab Mohammed Abo El-Hassan **Biochemistry Division, Chemistry Department, Faculty of Science, Beni-Suef University, Egypt**, June, 2016.
- (29) Evaluation of Ph. D. thesis titled "Assessment of the Toxic Effects of *Calotropis Procera* and Abamectin in Albino Rats" of student Heba Younes Ahmed Abdel-Mageed, **Zoology Department, Faculty of Science, Beni-Suef University, Egypt**, Nov. 2016.
- (30) Evaluation of Ph.D. thesis in Physiology entitled "Physiological and Histochemical Study of the Protective Effect of Alpha Lipoic Acid against Lead-Induced Neurotoxicity in Rats " of student Heba Ahmed Abd El-Hamed El-Dash, **Zoology Department, Faculty of Science, Fayoum University, Egypt**, Nov. 2016.
- (31) Evaluation of the research work for promotion of the candidate Amel Mahmoud Aly Soliman, Zoology Department, Faculty of Science, **Cairo University, Egypt** to **Professor Degree**, June 2016.
- (32) Evaluation of the research work for promotion of the candidate Sohair Ramadan Fahmy, Zoology Department, Faculty of Science, **Cairo University, Egypt** to **Professor Degree**, August 2016.
- (33) Evaluation of the research work for promotion of the candidate Hanan Mohamed Ebead Saleh, Zoology Department, Faculty of Science, **Cairo University, Egypt** to **Associate Professor Degree**, Nov. 2016.

- (34) Evaluation of the research work for promotion of the candidate Omayma Kamel Radwan Abou Zeed, **National Organization for Drug Control and Research, Egypt** to **Professor Degree**, April 2017.
- (35) Evaluation of the research work for promotion of the candidate Manal Fawzy Mohamed El-Khadragy, Zoology Department, Faculty of Science, **Helwan University, Egypt** to **Professor Degree**, April 2017.
- (36) Evaluation of the research work for promotion of the candidate Soliman Sayed Ahmed Ibrahim, Zoology Department, Faculty of Science, **Zagazig University, Egypt** to **Professor Degree**, September 2017.
- (37) Evaluation of the research work for promotion of the candidate Magda Sayed Hassanin Afifi, Zoology Department, Faculty of Women for Arts, Science and Education, **Ain Shams University, Egypt** to **Professor Degree**, Oct. 2017.
- (38) Evaluation of Ph.D. thesis in Physiology entitled "Ameliorative effects of safranal and N-acetylcysteine on neuro- and biochemical dysfunction induced by hyperthyroidism in the brain of adult male albino rats" of student Asmaa Saeid Shahat Abdel Kader, Zoology Department, **Faculty of Science, Ain Shams University, Egypt**, Oct. 2017.
- (39) Evaluation of Ph.D. thesis in Physiology entitled "Evaluating and Comparing the Antitumour Effects of Alcoholic Extract and Some Bioactive Components of Sweet Marjoram (*Origanum majorana* L.) on Colon Cancer" (2018) of student Mai Mamdouh Hassan Hosni, Zoology Department, **Faculty of Science, Ain Shams University, Egypt**.
- (40) Evaluation of Ph. D. thesis titled "**The role of grape seed extract against bisphenol A induced liver and testis toxicity in male rats**" of student Eman Hassan Hassan El Sayed, **Zoology Department, Faculty of Science, Alexandria University, Jan, 2018**.
- (41) Evaluation of the research work for promotion of the candidate Edem Nuglozeh, **Kingdom of Saudi Arabia, Hail University, Vice Rectorship for Graduate Studies and Scientific Research** to **Associate Professor Degree**, March 2018.
- (42) Evaluation of M. Sc. thesis entitled "**Assessment of the effects of some herbs on diabetes and the probable mechanisms of action in type 2 diabetic rats**" (2018) of student Mahmoud Mohamed El Fateh Mahmoud, Department of Molecular Cell Biology, **Institute of Genetic Engineering and Biotechnology, University of Sadat City, Egypt**.
- (43) Evaluation of the research work for promotion of the candidate Loay Khaled Hassouneh, **Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences, Al-Isra University, Jordan** to **Associate Professor Degree**, Feb. 2019.
- (44) Evaluation of the research work for promotion of the candidate Khaled Gamal El Din Mohamed Abdel Wahab, **Medical Physiology Department, National Research Center, Doki, Cairo, Egypt** to **Professor Degree by Council of Research Centers and Institutes, Egypt**, March 2019.

- (45) Evaluation of Ph. D. thesis in Biochemistry (2019) of Mr Ochuko Lucky Erukainure (216073060) and titled "Antidiabetic and Toxicological Properties of Some African Medicinal Plants used in the Treatment of Diabetes and Its Complications", **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa, January 2019.**
- (46) Evaluation of Ph. D. thesis titled "Anti-diabetic and immunomodulatory effects of olive leaf polyphenols and vitamin C in streptozotocin diabetic male rats" of student Mariam Marzok Hesien Buharara, **Zoology Department, Faculty of Science, Alexandria University, March, 2019.**
- (47) Examination of of M. Sc. thesis titled "Effect of *Spirulina platensis* against carbon tetrachloride (CCl<sub>4</sub>)-induced hepatotoxicity in male rats" of Mohamed Abdel-Moneim Mohamed Hashim, **Zoology Department, Faculty of Science, Alexandria University, June, 2019.**
- (48) Evaluation of Ph. D. thesis numbered 216076152 and titled "Studies on antioxidative and antidiabetic potentials of some African medicinal plants and possible mechanism of actions" of the candidate Olakunle Sanni, **College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa, July 2019.**
- (49) Examination of of M. Sc. thesis titled "Evaluation of Anti-cancer Activity of Whey Protein and Lactoferrin in Chemically Induced Liver Carcinoma in Male Albino Rats" of student of Marwa Mohamoud Mohamed, **Zoology Department, Faculty of Science, Ain Shams University, Egypt. August 2019.**
- (50) Evaluation of M. Sc. thesis titled "Aphrodisiac and Androgenic Effects of Bee Pollen and Palm Pollen in Streptozotocin-Induced Diabetic Rats" of the student Mariam Abdel Wahab Ahmed El Agamy **Faculty of Science, Beni-Suef University, Egypt, June 2019.**
- (51) Evaluation of M. Sc. thesis titled "Performance of nanohydroxapatite in overcoming the acute renal failure induced by cisplatin in male rats" of student Maha Mohamed Farid Ahmed, **Zoology Department, Faculty of Science, Cairo University, Nov. 2019.**
- (52) Evaluation of Ph. D. thesis titled "Assessment of the preventive effects green tea aqueous extract and epicatechin on doxorubicin-induced toxicity in albino rats" of student Fatma El-Zahraa Sabry Abdelrahman, **Faculty of Science, Beni-Suef University, Egypt, June 2019.**
- (53) Evaluation of the research work for promotion of the candidate Rana Abdel Sattar Ali, Zoology Department, Faculty of Science, **South Valley University, Egypt** to **Associate Professor Degree, Oct. 2019.**

- (54) Evaluation of M. Sc. thesis titled "Reproductive functions of hyperthermic male rabbits: The ameliorative effects of virgin olive oil" of student Reem Ahmed Mahmoud Ahmed, **Zoology Department, Faculty of Science, Assiut University, Dec. 2019.**
- (55) Evaluation of M. Sc. thesis titled "**Haematological and Pathophysiological Alterations Induced by Rodenticides in Rats**" of student Zeinab Hassan Sayed Abd el-Aal, **Zoology Department, Faculty of Science, Assiut University, Dec. 2019.**
- (56) Evaluation of M. Sc. thesis titled "**The Role of L-Carnitine and Solanum Nigrum as Food Supplement and Antioxidant against Thiamethoxam Induces Hepatotoxicity in Male Rats**" of student Fatma Awd Abd-Mwla Abd El-Hafez, **Zoology Department, Faculty of Science, Alexandria University, Feb. 2020.**
- (57) Evaluation of the work submitted by the candidate Prof. Dr. Mohamed Hassan Mona, Zoology Department, Faculty of Science, **Tanta University, Egypt** to **Tanta University Excellence Award of Academic Performance. Jan. 2020.**
- (58) Evaluation of the work submitted by the candidate Prof. Dr. Mohamed Labib Salem, Zoology Department, Faculty of Science, **Tanta University, Egypt** to **Tanta University Excellence Award of Academic Performance. Jan. 2020.**
- (59) Evaluation of Ph. D. thesis titled "The possible protective effect of *Eruca sativa* leaves extract and seed oil against bacterial lipopolysaccharide (LPS) induced testicular toxicity in adult rats" of student Mona Gamal Ali, **Zoology Department, Faculty of Science, Alexandria University, Sep. 2020.**
- (60) Evaluation of M. Sc. thesis titled "Ameliorative effect of *Coelatura aegyptiaca* extract on hyperlipidemia induced multiple organs injury in rats" of student Walaa Muhammad Ibrahim, **Zoology Department, Faculty of Science, Cairo University, Oct. 2020.**
- (61) Evaluation of Ph. D. thesis titled "Fish Ecophysiology as Biological Indicator to Conserve Aquatic Habitats in Protectorates at Fayoum Governorate, Egypt" of Hossam Shabaan Mohamed Kotb, **Zoology Department, Faculty of Science, Fayoum University, Nov. 2020.**
- (62) Evaluation of M. Sc. thesis titled "Association Between TLL1 Variants and Development of Hepatocellular Carcinoma after Hepatitis C Virus Treatment by Using Directly Acting Antivirals" of student Ali Kareem Mohsen Ali, **Zoology Department, Faculty of Science, Alexandria University, Sep. 2020.**
- (63) Evaluation of the research work for promotion of the candidate Dr. Lobna Faroud Sayed Wahman, **National Organization for Drug Control and Research, Giza, Egypt** to **Professor Degree**, July 2020.
- (64) Evaluation of Ph. D. thesis titled "Effect of Kefir consumption on high fat-fed/streptozotocin-induced diabetic Wistar male rats: of student Lobna A. A. Yousef, **Zoology Department, Qena Faculty of Science, South Valey University, Jun. 2020.**

(65) Evaluation of Ph. D. thesis titled "Comparative anti-diabetic effects and mechanisms of actions of some widely consumed Chinese and South African indigenous teas" of student Mr Xiao Xin (217082112). College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa, January, Dec. 2020.

### **Fields of interest**

- Studies on Experimentally-induced type 1 and 2 diabetes and its treatment with medicinal plants and plant constituents
- Hepatotoxicity and anti-tumor activities.
- Experimentally-induced hypo- and hyper-thyroidism.
- Chemically-induced carcinogenicity and the treatment of cancer with natural products and newly synthesized organic compounds.

### **Publications from M. Sc. Thesis**

- (1) Rawi, S. M.; Abdel-Moneim, A. and **Ahmed, O. M.** (1996): Studies on the effect of garlic oil and glibenclamide on alloxan diabetic rats. I. The hypoglycemic and histopathological effects. **J. Union Arab Biol.**, 6A: 121-42.
- (2) Rawi, S. M.; Abdel-Moneim, A. and **Ahmed, O. M.** (1998): Studies on the effect of garlic oil and glibenclamide on alloxan diabetic rats. II. Biochemical effects. **Egypt. J. Zool.**, 30: 211-228.

### **Publications from Ph. D. thesis**

- (1) Abdel-Moneim, A.; El-Zayat, E. and **Ahmed, O. M.** (1999): Studies on the effects of glimepiride and some antidiabetic plants on protein metabolism of streptozotocin diabetic rats. **J. Egypt. Ger. Soc. Zool.**, 28A: 79-98.
- (2) Abdel-Moneim, A.; **Ahmed, O. M.**; Rawi, S. M. and Semmler, M. (2001): Studies on the hypoglycemic and hypolipidemic effects of glimepiride and some antidiabetic plants on streptozotocin diabetic rats. **J. Egypt. Ger. Soc. Zool.**, 34A: 175-206.

### **Post – Doctor Publications, Conferences and Presentations:**

- (1) **Ahmed, O. M. (2001):** Histopathological and biochemical evaluation of liver and kidney lesions in streptozotocin diabetic rats treated with glimepiride and

- various plant extracts. **J. Union Arab Biol.**, 16A: 585-625. **Presented in the 8<sup>th</sup> International Conference, 4-7 November (2001), Cairo University, Faculty of Science, Fayoum Branch.**
- (2) **Ahmed, O. M.** and Bastawi, M. (2002): Effect of ascorbic acid and zinc sulphate administration on cadmium - induced thyroid dysfunction in albino rats. **J. Egypt. Ger. Soc. Zool.**, 38A: 387-408. **Presented in the 12<sup>th</sup> International Conference, 3-7 March (2002), Mansoura University, Faculty of Science (Damietta).**
- (3) **Ahmed, O. M.** (2003): Evaluation of the hypoglycemic and antioxidant effects and the probable mechanism of action of chromium and selenium in streptozotocin - induced diabetic albino rats. **J. Egypt. Ger. Soc. Zool.**, 41A: 163-193. **Presented in the 13<sup>th</sup> International Conference, 2-5 March (2003), Cairo University, Faculty of Science, Beni-Suef Branch.**
- (4) **Ahmed, O. M.** and Mostafa, O. M. S. (2003): Experimental use of black seed oil against *Schistosoma Mansoni* in albino mice. IV. Oxidative stress markers and some biochemical parameters in liver and kidney. **J. Egypt. Ger. Soc. Zool.**, 41A: 227-253. **Presented in the 13<sup>th</sup> International Conference, 2-5 March (2003), Cairo University, Faculty of Science, Beni-Suef Branch.**
- (5) Fahim, H. I., **Ahmed, O. M.** and Bastawi, M. A. (2004): Borage extract and alpha lipoic acid as antithyroidal and antioxidant agents. **J. Egypt. Ger. Soc. Zool.**, 45A: 329-348.
- (6) **Ahmed, O. M.** (2005): The hypoglycemic effect of curcumin and esculetin and their probable mechanisms of action in streptozotocin diabetic albino rats. **J. Egypt. Ger. Soc. Zool.**, 46A: 351-375. **Presented in the 11<sup>th</sup> International Conference of Union Arab Society of Biology, 7-9 December (2004), Cairo University, Faculty of Science.**

- (7) **Ahmed, O. M.** and Abdel-Reheem, E. S. (2005): Hypolipidemic, proteogenic and kidney functions effects of curcumin and esculetin in diabetic rats. **J. Egypt. Ger. Soc. Zool.**, 47A: 193-219.
- (8) Fahim, Assem and **Ahmed, O. M.** (2004): Evaluation of the hypoglycemic and some biochemical effects of taurine, gliclazide and samwa chloroform extract on alloxan diabetic male albino rats. **J. Egypt. Ger. Soc. Zool.**, 44A: 153-198.
- (9) **Ahmed, O. M.**; Bahgat, M. and Ahmed, R. G. (2007): Age and heat stress related changes in monoamine contents and cholinesterase activity in some central nervous system regions of albino rat newborns. **International Journal of Zoological Research**, 3(2): 65-76. (IF [ICV]: 6.91)
- (10) **Ahmed, O. M.**; Ahmed, R. G.; Nada, M. M. and Bahgat, M. (2007): Does the heat stress affect the neurons development in some central nervous system regions of albino rat newborns. **Asian journal of animal and veterinary advances**, 2 (3): 86-103. (IF: 0.87)
- (11) The conference of the Egyptian German Society of Zoology in Suez Canal University (Egypt), the 16<sup>th</sup> conference, at the period between 5-9/3/2006.
- (12) The 21<sup>st</sup> scientific conference of Egyptian Society of **Toxicology** in Girls' College, Ain Shams University (Egypt), at the period between 12-13 / 4 / 2006.
- (13) The 2<sup>nd</sup> scientific conference of Egyptian Society of **Natural Toxins** in Cairo, Egypt, at the period between 18-20/12/2006.
- (14) The 11<sup>th</sup> Annual International Conference of **Egyptian Society of Experimental Biology** 21-26 Feb. 2015, Cairo University Conference Center, Egypt.
- (15) Conference of Biotechnology for the Emerging Economics held in Beni-Suef University at 7 April 2015.
- (16) **Ahmed, O. M.**; Abdel Hamid, H.; Bastawi, M. A. and Hasona, N. A. (2006):

- Antihyperglycemic effects of *Plantago ispaghula* seeds aqueous extract in diabetic and hypercholesterolemic rats. **J. Egypt. Ger. Soc. Zool.**, 51A: 371-93.
- (17) Abdel Hamid, H.; **Ahmed, O. M.**; Bastawi, M. A. and Hasona, N. A. (2007): Evaluation of the antihyperlipidemic and proteogenic effects of *Plantago ispaghula* seeds aqueous extract in diabetic and hypercholesterolemic rats. **J. Union Arab Biol.**, 27A Zoology: 29-51.
- (18) **Ahmed, O. M.** (2006): Evaluation of antihyperglycemic, antihyperlipidemic and myocardial enhancing properties properties of pioglitazone in diabetic and hyperthyroid rats. **J. Egypt. Ger. Soc. Zool.**, 51A: 253-78.
- (19) **Ahmed, O. M.**; Abdel-Reheim, E. S.; Ashour, M. B. and Abdel-Tawab, S. M. (2007): Evaluation of anti-hyperglycemic effects of some medicinal plant ingredients and their probable mechanisms on streptozotocin-induced diabetic rats. **J. Egypt. Ger. Soc. Zool.**, 53A: 53-100.
- (20) Abdel-Reheim, E. S.; **Ahmed, O. M.**; Ashour, M. B. and Abdel-Tawab, S. M. (2007): Biochemical study on the effect of rosiglitazone and various plant constituents on streptozotocin-induced diabetic rats. **J. Egypt. Ger. Soc. Zool.**, 54A: 309-39.
- (21) Abdel Aleem, S. R.; **Ahmed, O. M.** and Mossa, N. M. A. (2007): Chemopreventive effects of diallyl disulphide on CCl<sub>4</sub>-induced kidney injury and haematological disturbances in albino rats. **J. Egypt. Ger. Soc. Zool.**, 55C: 389-419.
- (22) Ali, T. M.; **Ahmed O. M.** and El Fayoumi H. M. (2007): Biochemical and Haematological effects of Giardiasis on children from some rural communities of Beni-Suef Governorate in Egypt. **J. Egypt. Soc. Biotech. Environ. Sci.**, 9A: 219-44.

- (23) Ahmed, R. R. and **Ahmed, O. M.** (2008): Probable thermogenic mechanisms during hyperthermia in developing albino rats: Physiological, histological and immunohistochemical studies. **J. Egypt. Ger. Soc. Zool.**, 56C: 87-120.
- (24) **Ahmed, O. M.**; Abdel Aleem, S. R. and Mossa, N. M. A. (2008): Chemopreventive effect of diallyl disulphide on CCl<sub>4</sub>-induced liver injury in albino rats. **J. Egypt. Ger. Soc. Zool.**, 56A: 25-62.
- (25) **Ahmed, O.M.**; El-Gareib, A.W.; El-Bakry, A. M.; Abd El-Tawab, S. M. and Ahmed, R.G. (2008): Thyroid hormones states and brain development interactions. **Int. J. Dev. Neurosci.**, 26(2):147-209. **(IF: 2.692)**
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- (31) **Ahmed, O. M.**; Mohamed, M. A.; Ahmed, R. R.; Ahmed, S. A. (2009): Synthesis and anti-tumor activities of some new pyridines and pyrazolo[1,5-a]pyrimidines. **European Journal of Medicinal Chemistry**, 44: 3519–23. (IF: 3.499)
- (32) Ahmed M. Hussein and **Osama M. Ahmed (2010)**: Regioselective one-pot synthesis and anti-proliferative and apoptotic effects of some novel tetrazolo[1,5-a]pyrimidine derivatives. **Bioorganic & Medicinal Chemistry**, 18: 2639-44. (IF: 2.903).
- (33) **Ahmed, O. M. (2010)**: Antihyperglycemic effects of water extract of *Ulva lactuca* and its polysaccharides in nicotinamide-streptozotocin-induced diabetic rats. **Egypt. J. Zool.**, 54: 273-97.
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- (35) **Ahmed, O. M.**; Abdel-Moneim, A.; Abulyazid, E. and Mahmoud, A. M. (2010): Antihyperglycemic, Antihyperlipidemic and Antioxidant Effects and the Probable Mechanisms of Action of *Ruta graveolens* Infusion and Rutin in Nicotinamide-Streptozotocin-Induced Diabetic Rats. **Diabetologia Croatica**, 39 -1: 15-35.
- (36) **Ahmed, O. M.**; Abd El-Tawab, S. M. and Ahmed, R. G. (2010): Effects of experimentally-induced maternal hypothyroidism and hyperthyroidism on the development of rat offspring: I. The development of the thyroid hormones-neurotransmitters and adenosinergic system interactions. **Int. J. Dev. Neurosci.**, 28: 437-54. (IF: 2.692)

- (37) Saad M. Bin Dajem; Ali A. Shati; Mohamed A. Adly; **Osama M. Ahmed**; Essam H. Ibrahim ; Osama M.S. Mostafa (2011): Green tea (*Camellia sinensis*) ameliorates female *Schistosoma mansoni*-induced changes in the liver of Balb/C mice. **Saudi Journal of Biological Sciences**, 18: 361–68. (IF: 1.781).
- (38) Abdel-Moneim, A.; Ashour, M. B.; Mahmoud, A. M. and **Ahmed, O. M.** (2011): Insulin sensitizing effects of hesperidin and naringin in experimental model of induced type 2 diabetes in rats: Focus on tumor necrosis factor-alpha and resistin. **Nature and Science**, 9(10): 134-41.
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- (41) **Ahmed, O. M.**; Hozayen, W. G. M.; Bastawy, M.; Hamed, M. Z. (2011): Biochemical effects of *Cichorium intybus* and *Sonchus oleraceus* infusions and esculetin on streptozotocin-induced diabetic albino rats. **Journal of American Science**, 7(12): 1124-37.
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- The developmental pattern of neurons in relation to oxidative stress and anti-oxidant defense system. **Int. J. Devl. Neuroscience** 30(6):517-37. (IF: 2.692)
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and antioxidant effects of newly synthesized pyrimido[1,6-a]pyrimidine Derivatives in neonatal streptozotocin-induced diabetic rats. **Medicinal Chemistry**, 2(1): 020-028. (**Scopus CiteScore Metrics: 1.32**)

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### **Supervision of Following Theses:**

#### **A) Theses that were granted:**

- (1) M. Sc. thesis entitled “Natural Products as anticytotoxic agents” of the student Nermeen Mohamed Ali Mossa.
- (2) Ph. D. thesis entitled “Effect of green tea and/or licorice on liver of albino rats intoxicated with dimethylnitrosamine” of the student Mohamed Abdel Gabar Hassan.
- (3) Ph. D. thesis entitled “Biochemical and physiological studies of the effects of rosiglitazone maleate and some plant constituents on streptozotocin-induced diabetic albino rats” of the student Sanaa Mahmoud Abdel-Twab.
- (4) M. Sc. thesis entitled “Effect of heat stress on the development of the nervous system of albino rats” of the student Ahmed Ragab Gaber.
- (5) M. Sc. thesis entitled “Some biochemical effects of *Ispaghula* on albino rats” of the student Nabil Abdel-Salsm Hasona Ahmed.
- (6) Ph. D. thesis entitled “Assessment of cardiac function in thyroid disease” of the student Hossam Mohamed Abo Hassan.
- (7) Ph. D. thesis entitled “Assessment of various biochemical and physiological effects of some natural products on chemically induced hepatotoxicity and nephrotoxicity in experimental rats” of the student Howida Said Abo Saif
- (8) M. Sc. thesis entitled “Evaluation of various biochemical and physiological effects of some medicinal plant ingredients in streptozotocin diabetic rats” of the student Ayman Moawad Mahmoud Abdel Baset.
- (9) Ph. D. thesis entitled “Effects of experimentally – induced hypothyroidism and hyperthyroidism in pregnant albino rats on the development of their offspring.” of the student Ahmed Ragab Gaber.
- (10) Ph. D. thesis entitled “Biochemical effects of blue lotus on albino rats” of the student Walaa Gamal Mahmoud Hozzein.
- (11) M. Sc. thesis entitled “The possible protective role of *Foeniculum vulgare* Mill. against radiation induced certain biochemical changes in albino rats” of the student Maha Mahmoud Ali.
- (12) M. Sc. thesis entitled “Various physiological and biochemical effects of some medicinal plants and vitamins on experimental hyperhomocysteinemia in albino rats” of the student Heba Yunis Ahmed.
- (13) M. Sc. thesis entitled “Gestational diabetes mellitus and its effects on newborns” of the student: Lobna Abdel Hamid Ali. Faculty of Science, Qena, South Valley University.
- (14) Ph. D. thesis entitled “Biochemical and physiological effects of fish oil and evening primrose oil on olanzapine-induced obesity in albino rats” of the student: Rasha Ibrahim Abdel Allah.
- (15) M. Sc. thesis entitled “Biochemical effects of *Ulva lactuca* aqueous extract, ulvan polysaccharides and atorvastatin on ethylene glycol-induced hyperoxaluria” of the student: Mahmoud Ragab Mohamed Abu Hassan.
- (16) M. Sc. thesis entitled "Assessment of the anti-hyperglycemic, anti-hyperlipidemic and anti-oxidant efficacies of lettuce and ginger oils in streptozotocin-induced diabetic albino rats" of student: Marwa Abdel Rahman Ali Gomaa.
- (17) M. Sc. thesis entitled “The probable chemopreventive effects of some medicinal plant ingredients against cyclosporine A-induced toxicity" of the student: Asmaa

Hassan Ahmed.

- (18) M. Sc. thesis entitled "Biochemical studies on the effects of alpha lipoic acid on experimental diabetic cataract" of the student: Azah Abdel-Nabi Ibrahim.
- (19) M. Sc. thesis entitled "Biochemical effects of *Sonchus oleraceus* extracts on azathioprine-induced hepatotoxicity." of the student: Abeer Ragab Ramadan.
- (20) M. Sc. thesis entitled "Assessment of the chemopreventive effects of *Cynara scolymus* against cisplatin-induced toxicity in albino rats" of the student Mohamed Awad Abdel Gaid.
- (21) M. Sc. thesis entitled "Assessment of the effects of some herbs on diabetes and the probable mechanisms of action in type 2 diabetic rats" (2018) of student Mahmoud Mohamed El Fateh Mahmoud, Department of Molecular Cell Biology, Institute of Genetic Engineering and Biotechnology, University of Sadat City, Egypt.
- (22) M. Sc. thesis entitled "Biochemical effects of some medicinal plant constituents on experimentally-induced diabetic albino rats" of the student: Marwa Zidan Hamed.
- (23) M. Sc. thesis entitled "Biochemical effects of wheat germ oil and/or zinc sulphate against D-galactosamine – induced hepatotoxicity in albino rats" of the student : Hanaa Salah Mohamed.
- (24) M. Sc. thesis entitled "Biochemical effects of various medicinal plant constituents on rifampicin-induced hepatotoxicity in albino rats" of student: Hyam Saaban Hussein
- (25) M. Sc. thesis entitled "The chemopreventive effects of garlic and onion oils against valproic acid-induced toxicity" of the student: Walaa Helmy Ahmed.
- (26) M. Sc. thesis entitled "*In vitro* and *in vivo* studies on the activities of some natural products as cancer chemopreventive agents" of the student Gamal Eldein Fathi Abdel-Latif.
- (27) Ph. D. thesis entitled "Studies on the effect of some plant ingredients on thioacetamide-induced cytotoxicity in albino rats" of the student Nermeen Mohamed Ali Mossa.
- (28) Ph. D. thesis entitled "Evaluation of various physiological effects of some anti-diabetic agents in diabetic albino rats" of the student: Ayman Moawad Mahmoud Abdel-Baset.
- (29) M. Sc. entitled "Effects of some plant constituents on the chemical carcinogenesis in experimental animals" of the student: Asmaa Mohamed Mahmoud.
- (30) Ph. D. thesis entitled "The biochemical effects of some natural products against doxorubicin – induced toxicity in albino rats" of the student: Haidy Tamer Abo Sereeh.
- (31) M. Med. (Physiology) entitled "Effect of sildenafil on luteinizing hormone secretion in diabetic female rats" of the student: Safy Salah Gaber.
- (32) M. Med. (Physiology) entitled "Effect of sildenafil in the treatment of recurrent ulcerative colitis in rats" of the student: Shaymaa Ahmed Ramadan.
- (33) M. Med. (Physiology) entitled "A study of the effect of some medicinal plant constituents on doxorubicin-induced hepatotoxicity in albino rats" of the student: Mohammad Abd El Nasser Mohammad Allam.
- (34) M. Sc. (Physiology) entitled "Preventive effects of *Spirulina versicolor* and *Enteromorpha flexuosa* ethanolic extracts on diethylnitrosamine and benzo(a) pyrene-induced carcinogenesis in albino rats of the student: Noha Abdel Azeem Ahmed.
- (35) Ph. D. (Biochemistry) entitled "Biochemical effects of oyster and button mushroom extracts and carvedilol on ethylene glycol-induced urolithiasis in albino rats" of student: Mahmoud Ragab Mohamed.
- (36) M. Sc. (Molecular Integrated Physiology) entitled "Evaluation of the preventive

- effects of silymarin and hydroethanolic extract of *Silybum marianum* on diethylnitrosamine/phenobarbital-induced carcinogenesis" of student: Nour Yassin Saber.
- (37) M. Sc. thesis entitled "Efficacies of some anti-inflammatory plant constituents on the progression of some autoimmune diseases in experimental animals" of the student: Ezzat Abdel Twab Abdo. Genetic Engineering and Biotechnology Research Institute (GEBRI), Sadat University.
- (38) M.Sc. of Student: Mohamed Yassin Zaky. The thesis entitled "Assessment of the chemopreventive effects of some medicinal plant ingredients on chemically-induced toxicity in albino rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (39) Ph.D. of the student: Mohamed Awad Abd El Gaid Abd El Karim. The thesis entitled "Assessment of the chemopreventive effects of *Punica granatum* extracts in experimentally induced carcinogenesis". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (40) Ph. D. (in Physiology) of the student: Heba Younis Ahmed. The thesis entitled ""Assessment of the Toxic Effects of *Calotropis Procera* and Abamectin in Albino Rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (41) M. Sc. in Molecular integrated physiology entitled "Effect of Some Natural Products on Experimentally Induced Arthritic Rats". Student: Eman Abdel-Mohsen Ahmed, Zoology Department, Faculty of Science, Beni-Suef University.
- (42) Ph. D. in Physiology and Ecology of student Mohamed Maher Abdel-Tawab Abdel-Hafez. The thesis entitled "Assessment of the preventive effects of various *Spirulina versicolor* extracts on doxorubicin-induced toxicity in albino rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (43) M. Sc. in Molecular and Integrated Physiology of the student: Alaa Sherif Abdel Fatah Mohamed. The thesis entitled "Assessment of the preventive effects of navel orange peel ingredients doxorubicin-induced toxicity in rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (44) M. Sc. of the Student: Doria Akef Abdel Hafiez Omar. The thesis entitled "Assessment of the Preventive Effects of Navel Orange Peel Ingredients on Experimentally-Induced Arthritic Albino Rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (45) M. Sc. in Molecular and Integrated Physiology of the student of the student: Manal Nosehy Abdel Azeem. The thesis entitled "Evaluation of the effects of navel orange peel ingredients on type 2 diabetic albino rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (46) Ph.D. of the Student: Noha Abdel Azeem Ahmed. The thesis entitled "Assessment of the Preventive Effects of Some Plant Constituents on Experimentally-Induced Arthritic Rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (47) M. Sc. of the student Randa Rady Gheryany. The thesis entitled "The preventive efficacy of some marine algae against experimentally-induced rheumatoid arthritis in albino rats". Biochemistry Division, Chemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (48) M. Sc. thesis entitled "Assessment of anti-diabetic effects of various constituents and

- the probable mechanisms of action in type 2 diabetic rats” of the student: Mahmoud Mohamed El-Fateh. Genetic Engineering and Biotechnology Research Institute (GEBRI), Menoufia University.
- (49) Ph. D. in Physiology of the student: Marwa Abdel Rahman Ali Gomaa. The thesis entitled "Assessment of the preventive effects of *Salvia officinalis* and *Ruta graveolens* ethanolic extracts on chlorpyrifos and methomyl-induced toxicity in albino rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
  - (50) Ph. D. in Comparative Anatomy and Embryology entitled “Effect of antiepileptic drugs on pregnant rats and their fetuses”. Student: Rania Yehia Kamel, Zoology Department, Faculty of Science, Cairo University
  - (51) Ph. D. in Molecular and Integrated Physiology of student Fatma Al-Zahraa Sabry Abdel Rahman. The thesis entitled "Assessment of the chemopreventive effects of some plant constituents on chemically-induced carcinogenesis". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
  - (52) Ph. D. in physiology of the Student: Safi Salah Gaber The thesis entitled "Assessment of the chemopreventive effects of some plant constituents on chemically-induced carcinogenesis". Physiology Department, Faculty of Medicine, Cairo University, Egypt.
  - (53) M. Sc. in Molecular and Integrated Physiology of the student of the student: Mariam Abdel Wahab Ahmed. The thesis entitled "Aphrodisiac and androgenic effect of some plant constituents on experimentally induced-male sexual dysfunctions". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
  - (54) Ph. D. in Cytology and Histology of the student Lopna Abdel Hamid Ali. Faculty of Science, Qena, South Valley University.
  - (55) M. Sc. in Molecular and Integrated Physiology of Student: Heba T-Ullah Rabeih. The thesis entitled “Evaluation of the preventive effects of some plant constituents against doxorubicin-induced toxicity in rats”. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
  - (56) M. Sc. of the student: Mena Allah Mohamed Ashraf. The thesis entitled "Assessment of the preventive effects of thyme oil and thymol on doxorubicin-induced toxicity in rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
  - (57) M. Sc. of Student: Ablaa S. Saleh. The thesis entitled "Efficiency of some plant constituents' treatment and stem cell therapy in experimentally-induced diabetes mellitus". Biochemistry Division, Chemistry Department, Faculty of Science, Beni-Suef University, Egypt.
  - (58) Ph.D. of student: Gamal El Din Fathy Abdel Latif. Department of Zoology, Faculty of Science, Cairo University, Egypt.
  - (59) Ph.D. of student: Fatma Mohamed Halafya Mohamed. Department of Surgery, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef, Egypt.
  - (60) Ph.D. of student: Safy Salah Gaber Hassan. Department of Physiology, Faculty of Medicine, Beni-Suef University, Beni-Suef, Egypt.
  - (61) Ph.D. of student: Mohamed Abdel Naser Mohamed Allam. Department of Physiology, Faculty of Medicine, Al-Azhar University, Cairo, Egypt.

## **B) Theses that are not granted yet:**

- (1) Ph. D. in Molecular and Integrated Physiology of student Maha Mahmoud Ali Mohammed. The thesis entitled "Modulation of Iron Overload Toxicity and/ or Gamma-irradiation exposure Induced Certain Biochemical Changes by Naringin in Male Albino Rats". Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (2) Ph.D. of the Student: Asmaa Mohamed Mahmoud Ahmed. The thesis entitled "Assessment of Effects of Egyptian Marine Algae chemically-Induced Carcinogenesis in Albino Rats". Biochemistry Division, Chemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (3) M. Sc. of student: Hesham Mahmoud Sayed Eid. The thesis entitled "Efficacy of mesenchymal stem cell therapy and various plant flavonoids' treatment in experimentally-induced diabetic animals". Physiology Division, Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (4) M. Sc. thesis of Lamia Nabil Bakry, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (5) M. Sc. thesis of Nermeen Ahmed Mohamed Ahmed, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (6) M. Sc. thesis of Eman Bekir Abbas Ali, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (7) M. Sc. thesis of Nagwa Gouda Tawfik, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (8) M. Sc. thesis of Khadiga Hassan Mohamed, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (9) M. Sc. thesis of Hala Mohamed Diaab, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (10) M. Sc. thesis of Rania Sayed Ezzat, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (11) M. Sc. thesis of Hadeer Mohamed Morsi, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (12) M. Sc. thesis of Marwa Sayed Saber, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (13) M. Sc. thesis of Asmaa Kamal Sayed Hassan, Molecular and Integrated Physiology. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (14) M. Sc. thesis of Sara Mohamed Abdel Aziz, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (15) M. Sc. thesis of Mohamed Saeid Abdel Megeed, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (16) Ph. D. thesis of Naglaa Hamdy Mohamed, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (17) M. Sc. thesis of Huda Hussein Shabaan, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (18) M. Sc. thesis of Rasha Atia Hassan Atia, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.

- (19) M. Sc. thesis of Asmaa Salem Zaky, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (20) M. Sc. thesis of Shiamaa Soliman Khaled, Biochemistry. Biochemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (21) M. Sc. thesis of Eman Mohamed Kamel, Physical Chemistry. Chemistry Department, Faculty of Science, Beni-Suef University, Egypt.
- (22) Ph. D. in Molecular and Integrated Physiology of student Nour Yassin Saber Yassin. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (23) Ph. D. in Molecular and Integrated Physiology of student Eman Abdel Mohsen Ahmed. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (24) Ph. D. in Molecular and Integrated Physiology of student Manal Noshi Abdel Azeem. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (25) Ph. D. in Molecular and Integrated Physiology of student Eman Ezz El Din Mohamed Mahmoud. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (26) Ph. D. in Cell Biology, Histology and Genetics of student Asmaa Adel Abdel Fatah. Zoology Department, Faculty of Science, Beni-Suef University, Egypt.
- (27) M. Sc. of student: Rofyda Hosni Aly. Faculty of Postgraduate Studies for Advanced Sciences, Beni-Suef University, Beni-Suef, Egypt.
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- (30) M. Sc. of student: Asmaa Yousef Abdel Twab. Faculty of Postgraduate Studies for Advanced Sciences, Beni-Suef University, Beni-Suef, Egypt.
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- (32) M. Sc. of student: Gaber Fathy Gaber Aly. Department of Pharmacology, Faculty of Pharmacy, Beni-Suef University, Beni-Suef, Egypt.
- (33) M. Sc. of student: Hadeer Abd Allah Sayed. Department of Histology, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef University, Egypt.

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الاهتمام العلمي الحالي: أبحاث مرض البول السكري وأمراض المناعة الذاتية وكذلك أمراض السرطان في حيوانات التجارب والعلاج بمشتقات النباتات الطبية و المواد المخلفة عضويا و بتكنولوجيا النانو و الخلايا الجذعية.