



## PERSONAL DATA

<b>Name:</b> Asmaa Magdy Ahmed Zaazaa	<b>Sex :</b> Female
<b>Nationality:</b> Egyptian	<b>Date of birth:</b> 20/11/1982
<b>Address:</b> 4 Muhammed Mousa St., Ebn-Elhakam square, Cairo, Egypt.	<b>Phone:</b> Home: 02 26528743 Mobile: 02 01223612159, 02 01012926496
<b>E- mail:</b> asmaa.zaazaa@women.asu.edu.eg	<b>Department:</b> Zoology.
<b>Specialty:</b> Physiology.	<b>Present Position:</b> Professor of Physiology.
<b>Faculty:</b> Faculty of women for arts, science and education.	<b>University:</b> Ain Shams University.



## SCIENTIFIC DEGREES

Qualifications		Year	Faculty	University
MB.B.CH	B.Sc.	2003	Faculty of women for arts, science and education.	Ain Shams University
M.Sc.	M.Sc.	2008	Faculty of women for arts, science and education.	Ain Shams University
Entitled thesis	<b>THE POSSIBLE PROTECTIVE EFFECTS OF ANTIOXIDANTS ON DOXORUBICIN-INDUCED CARDIOTOXICITY IN EHRlich CARCINOMA-BEARING MICE</b>			

<b>MD Or PhD</b>	<b>PhD</b>	<b>2012</b>	<b>Faculty of women for arts, science and education.</b>	<b>Ain Shams University</b>
<b>Entitled thesis</b>	<b>Potential role of proteolytic enzymes against Alzheimer's disease- induced in female rats</b>			
<b>Other Qualifications</b>	<b>Associate Professor</b>	<b>2017</b>	<b>Faculty of women for arts, science and education.</b>	<b>Ain Shams University</b>

### **PROFESSIONAL CAREER**

Graduation Year: 2003/ Bachelor of Science in zoology with excellent evaluation.

- 1- Demonstrator at Zoology department, Faculty of women for arts, science and education, Ain Shams University (2/8/2004-15/9/2008).
- 2- Assistant lecturer at Zoology department, Faculty of women for arts, science and education, Ain Shams University (16/9/2008-25/3/2012).
- 3- Lecturer at Zoology department, Faculty of women for arts, science and education, Ain Shams University (26/3/2012-20/10/2017).
- 4- Associate Professor at Zoology department, Faculty of women for arts, science and education, Ain Shams University (21/10/2017- 28/12/2022).
- 5- Professor of Physiology at Zoology department, Faculty of women for arts, science and education, Ain Shams University (29/12/2022).

### **Research interests**

1- Oncology	2- Medicinal Chemistry	3- Neurology	4- Biochemistry
5- Hormones	6- Medical Physiology	7- Molecular Biology	8- Phytochemistry

### **Knowledge of foreign Languages**

English

### **TRAINING COURSES FOR QUALITY AND GOVERNMENT EXCELLENCE**

No.	Name of training course	Year
1	International Standard for Governance Management Systems ISO 37000-2021	2022
2	The international standard for quality management systems ISO9001-2015	2022
3	International Standard for Innovation Management Systems ISO56002-2019	2022
4	International Standard for Energy Management Systems ISO50001-2018	2023
5	The training program that qualifies for candidacy for the position of dean of a college/institute at the university under the title (University Management and Leadership)	2022

### **TRAINING COURSES**

No.	Name of training course	Year	Place
1	International Computer Driving Licence  (ICDL) 10-24 June	2009	Syndicate Applied center
2	Effective Presentation Skills 19-21 June	2012	Development Center of Capabilities of faculty members and leaders at Ain Shams University
3	Managing the research team 25-27 August	2012	Development Center of Capabilities of faculty members and leaders at Ain Shams University
4	Planning strategist and executive plan 14 April	2014	College of Nursing, Ain Shams University
5	Statistical Package for Social Sciences (SPSS) 14-15/2/2016	2016	Assurance and Accreditation Center Ain Shams University

6	Electronic Administration of Question Banks and Evaluation Methods 16-17/5/2017	2017	Assurance and Accreditation Center Ain Shams University
7	Strategic Planning 29-30/4/2018	2018	Development Center of Capabilities of faculty members and leaders at Ain Shams University.
8	Quality standards in the teaching process 18-15/8/2018	2018	Development Center of Capabilities of faculty members and leaders at Ain Shams University.
9	Hand on stem cells workshop	2018	Egyptian society for progenitor cell research
10	Training of trainers	2019	adult education center, Ain Shams university
11	Leadership	2019	Development Center of Capabilities of faculty members and leaders at Ain Shams University.
12	Professional diploma in therapeutic nutrition	2019	British certifications INC & Food technology research institute
13	Training Diploma in clinical nutrition management	2020	Sadat academy for management sciences
14	Total nutrition diploma (clinical, sports and pediatric nutrition and obesity)	2020	American university for continuing learning
15	GAED- Cushing's disease	2021	Dubai Health Authority (On line)
16	International Diabetes Federation MENA	2021	On line
17	18 <sup>th</sup> Annual international congress of the Egyptian association for the study of liver and gastrointestinal diseases	2022	Grand Nile tower Cairo, Egypt

### **DIPLOMAS:**

1- Diploma in Strategic Management from the Global Board, with an excellent grade, 2022

- 2- Diploma in Organization and Change Management from the Global Board, with an excellent grade 2022
- 3- Diploma in human resources from the Global Board Foundation, with an excellent grade, 2022
- 4- Diploma in Marketing and Sales from the Global Board, with an excellent grade 2022
- 5- Diploma in Effective Leadership from the Global Board, with an excellent grade, 2022
- 6- Diploma in Management Consultant accredited by the Global Board, with an excellent grade, 2022
- 6- Diploma in Comprehensive Quality from the Global Board, with an excellent grade, 2022

### **UNIVERSITY ACTIVITIES**

- 1- Responsible for community participation in the Quality Assurance Unit of the Faculty from 2013 until now.
- 2- Chairman of the Chemical Committee, Department of Zoology from 2013 to 2017.
- 3- Member of the Technical and Financial Committee of the Chemical Committee of the Faculty of women for arts, science and education from 2013 to 2017.
- 4- Participate in the implementation of the quality system of university performance.
- 5- Participate in the examination work in college through my work as a member in the control of the fourth scientific degree.
- 7- Ambassador of government excellence in the college from 2019 until now.
- 8- Director of the marketing and media team at the college.

### **TEACHING EXPERIENCE**

Teaching in Faculty of women for arts, science and education. In the following courses:

- 1- Physiology course of third academic year for Zoology Department (theoretical and practical).
- 2- Physiology course of third academic year for Chemistry-Zoology Department (theoretical and practical).
- 3- Human Physiology course of second academic year for Chemistry Department (theoretical and practical).

- 4- Biodiversity course of first academic year for biology geology Department (theoretical and practical).
- 5- Human Development course of forth year for Chemistry-Zoology Department (theoretical).
- 6- Physiology course of third academic year for Chemistry-Zoology Department (credit hours) (theoretical and practical).
- 7- Human physiology course of first academic year for Chemistry Department (credit hours) (theoretical and practical).
- 8- Human physiology course of second academic year for Biology Geology Department (theoretical and practical).
- 9- Human Biology course of first academic year for Educational Psychology Division (theoretical and practical).
- 10- Biological analysis course for Postgraduate Pre-Masters Studies.
- 11- Advanced topics in the circulatory system course for Postgraduate Studies Pre-PhD.
- 12- Protein analysis course for Professional master's degree

### **SCIENTIFIC PUPICATION**

- 1-Abd El Dayem, S.; Foda, F.; Helal, M. and **Zaazaa, A.M.** The effect of catechin on the liver oxidative stress induced by doxorubicin treatment in mice inoculated with Ehrlich ascites carcinoma. Egyptian-German Association Journal of Zoology.2011, (62).
- 2- Abd El Dayem, S.; Foda, F.; Helal, M. and **Zaazaa, A. M.** (2010): The role of catechin against doxorubicin-induced cardiotoxicity in Ehrlich ascites carcinoma cells (EAC) bearing mice. *Journal of American Science*, 6 (4): 146-152.
- 3- Abd El-Motelp, B.A., **Zaazaa, A.M.** (2013): Potential antitumor effect of tetrodotxin and/or quercetin against Ehrlich carcinoma in mice. *World Journal of Pharmacy and Pharmaceutical Sciences* 2 (6): 6653-6668.
- 4- Ahmed, H.H., Aglan, H.A., **Zaazaa A.M.**, Shalby, A.B., El Toumy, S.A. (2016): Quercetin Confers Tumoricidal Activity Through Multipathway Mechanisms in A N-Methylnitrosourea Rat Model of Colon Cancer. *Asian Pacific Journal of Cancer Prevention* 17: 4991-4998.
- 5- **Zaazaa, A.M.**, Lokman, M.S., Shalby, A.B., Ahmed, H.H., El-Toumy, S.A., (2018): Ellagic Acid Holds Promise Against Hepatocellular Carcinoma in an Experimental Model: Mechanisms of Action. *Asian Pac J Cancer Prev*, 19 (2), 387-393.

**6- Zaazaa, A.M.,** Abd El-Motelp, B.A., Aniss, N.N.D., (2019): The Potential Protective Role of Rutin and Alpha-lipoic Acid Against Cisplatin-Induced Nephrotoxicity in Rats. *Pak. J. Biol.*, 22: 361-371.

**7- Zaazaa, A.M.,** Abd El-Motelp, B.A., (2020): MODULATORY EFFECTS OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS ON CYCLOPHOSPHAMIDE INDUCED HEPATOTOXICITY IN CARCINOMA MICE. *Int J Pharm Pharm Sci.* 12 (4): 53-62.

8- Aniss, NN, Abdel Rahman, YH, **Zaazaa, AM,** (2020): Cardioprotective Effect of Moringa Oleifera Against Doxorubicin Cardiotoxicity in Leukemia Rat Model. *International Journal of Pharmaceutical and Phytopharmacological Research.* 10(2): 148-161.

9- Hamdy, H.; Abd El Dayem, S.; Foda, F.; Metwally, F.; Shalby, A. and **Zaazaa, A.M.** (2012): Efficacy of nattokinase in management of neurodegeneration characterizing Alzheimer's disease in experimental animal model. *Archives Des Sciences,* 65 (12): 272-285.

10- Metwally, F.; Hamdy, H.; Shalby, A.; Abd El Dayem, S.; Foda, F.; and **Zaazaa, A.M.** (2012): Potential effect of nattokinase on brain growth factors in experimental model of Alzheimer's disease. *World journal of medical sciences,* (2): 91-99.

11- Hamdy, H.; Abd El Dayem, S.; Foda, F.; Metwally, F.; Shalby, A. and **Zaazaa, A.M.** (2013): Alpha-chymotrypsin ameliorates neuroinflammation and apoptosis characterizing Alzheimer's disease-induced in ovariectomized rats. *Experimental and Toxicologic Pathology,* 65, 477– 483.

12- **Zaazaa, A.M.** (2014): Protective role of the Nigella sativa oil against arsenic-induced neurotoxicity in male rats. *World Journal of Pharmaceutical Research* 3(2): 1624-1636.

13- Ahmed, H.H. **Zaazaa, A.M.** Abd El-Motelp, B. (2014): *Zingiber officinale* and Alzheimer's Disease: Evidences and Mechanisms. *Int. J. Pharm. Sci. Rev. Res.,* 27(2): 142-152.

14- Ahmed, H.H. Metwally, F.M. Rashad, H. **Zaazaa, A.M.** (2014): Ezzat, S.M. Salama, M.M. *Moringa oleifera* offers a Multi-Mechanistic Approach for Management of Obesity in Rats. *Int. J. Pharm. Sci. Rev. Res.,* 29(2), November – December 2014; Article No. 19, Pages: 98-106.

15- Metwally, F.M., Ahmed, H.H., Rashad, H., **Zaazaa, A.M.** (2016): Insights into the role of *Morus alba* in reversing obesity-associated hepatic steatosis and related metabolic disorder in rats. *Asian Journal of Pharmaceutical and Clinical Research* 9(2): 231-238.

16- Abd El dayem, S.M., **Zaazaa, A.M.**, Foda, F.M., Abd El aty, H.E. (2016): Quercetin mitigates toxicity and oxidative stress motivated by bisphenol A in liver of male rats. International Journal of Pharmacy and Pharmaceutical Sciences 8(7): 306-310.

17- **Zaazaa, A.M.** (2018): Celery (Apium Graveolens) Ethanolic Extract Ameliorates Experimental Atherosclerosis in Rats. International Journal of Pharmaceutical and Phytopharmacological Research, 8 (4): 28-41.

18- Asmaa Magdy Zaazaa, Bony Azmy Abd El-Motelp and Nadia Noble-Daoud Aniss (2019): Potential Protective Role of Rutin and Alpha-lipoic Acid Against Cisplatin-induced Nephrotoxicity in Rats. Pak. J. Biol. Sci., 22: 361-371.

19- Nadia Noble-Daoud Aniss, **Asmaa Magdy Zaazaa** and Mohamed Rabie Abdalla Saleh, 2020. Anti-arthritis effects of platelets rich plasma and hyaluronic acid on adjuvant-induced arthritis in rats. Int. J. Pharmacol., CC: CC-CC.

20- **Zaazaa, A.M.** (2018): Celery (Apium Graveolens) Ethanolic Extract Ameliorates Experimental Atherosclerosis in Rats. International Journal of Pharmaceutical and Phytopharmacological Research. 8 (4): 28-41.

21- **Zaazaa, A.M.**; Abd El-Motelp, B.A. and Aniss, N.N. (2019): Potential Protective Role of Rutin and Alpha-lipoic Acid Against Cisplatin-induced Nephrotoxicity in Rats. Pak. J. Biol. Sci., 22(8): 361-371.

22- Aniss, N.N.; **Zaazaa, A.M.** and Saleh, M.R. (2020): Anti-arthritis Effects of Platelets Rich Plasma and Hyaluronic Acid on Adjuvant-induced Arthritis in Rats. Int. J. Pharmacol., 16(1): 33-46.

23- **Zaazaa, A.M.** and Aniss, N.N. (2020): The role of platelet rich plasma and quercetin in alleviating Dimethylnitrosamine-induced acute spleen injury through regulating oxidative stress, inflammation and apoptosis. Int. J. Pharm. Pharm. Sci., 12(5): 17-25.

24- Aniss, N.N.; Abdel Rahman, Y.H. and **Zaazaa, AM**, (2020): Cardioprotective Effect of Moringa Oleifera Against Doxorubicin Cardiotoxicity in Leukemia Rat Model. International Journal of Pharmaceutical and Phytopharmacological Research. 10(2): 148-161.



**25- Zaazaa, A.M.** (2022): Studying the anticancer properties of bone marrow-derived mesenchymal stem cells against hepatocellular carcinoma induced by N-nitrosodiethylamine in male rats. *Biointerface Research in Applied Chemistry*, 13(1): 1-13.

**26- Zaazaa, A.M.**; Abd El-Motelp, B.A.; Mohamed, S.H.; Ali, N.A.; Youssef, A.M. (2022): Stem cell-derived exosomes and copper sulfide nanoparticles attenuate the progression of neurodegenerative disorders induced by cadmium in rats. *Heliyon*, 8 (2022) e08622.

**27- Zaazaa, A.M.**; Daoud, N.N.; El-Gendy, O.A.; Al-Shafei, A.I. (2022): Neuroprotective role of Bacopa monnieri extract in modulating depression in an experimental rat model. *Journal of Affective Disorders*, 308: 229–235.

**28- Heba E. Abd El Aty, Asmaa Magdy Zaazaa, Safaa H Mohamed, Samiha Abd El Dayem, Fatma Foda, 2023:** Promising Therapeutic Efficacy of Trigonella- foenum graecum and Bone Marrow-Derived Mesenchymal Stem Cells on Skeletal Muscle Atrophy in Experimental Rat Model, *Biointerface research*, 13 (2), 133.

**29- Neama Mokhtar, Fatma Fouda, Asmaa Magdy Zaazaa, Marwa Hanafy Mahmoud, 2023:** Nano-Encapsulation of Doxorubicin Using Pectin: Safety an Activity on Chemotherapy-Induced Cardiotoxicity in Carcinoma Mice, *Letters in applied nano Bioscience*, 12 (4): 107.

### **Books publications:**

1- Hanaa H. Ahmed, Aziza B. Shalby and **Asmaa M. Zaazaa** (2012): Proteolytic enzymes and Alzheimer's disease: Potentials of nattokinase, chymotrypsin in alleviating. ISBN 978-3659148415.

### **PARTICIPATION IN CONFERENCES**

No	Name of conference	Year	Participation	Title of research
1.	Kick-off conference" Stem cells from bench to heart". Sheraton, Cairo, Egypt. 5-6 June	2010	Attendance	

2.	The 10 <sup>th</sup> Medical Science Conference for the Medical Research Division“Medical Research between Theory and Application”. National Research Centre - Cairo - Egypt. 14-16 January.	2013	Attendance	
3.	The 5 <sup>th</sup> diabetic foot conference of the Egyptian society of diabetic foot. Pyramisa Hotel, Cairo, Egypt.3-4 October.	2013	Attendance	
4.	The 11 <sup>th</sup> Annual Medical Science Conference for the Medical Research Division“Medical Research between Theory and Application”. National Research Centre - Cairo - Egypt. 17-19 December.	2013	Speaker	Potential effect of alpha-chymotrypcin on growth factors in Alzheimer's disease model
5.	1 <sup>st</sup> Annual International Conference of the sector Community Service and Environmental Development, Faculty of women for arts, science and education. Sonesta Hotel, cairo, Egypt.19-20 March.	2014	Speaker	Ameliorative effect of black seed oil against arsenic-induced renal toxicity in male rats.
6.	The 4 <sup>th</sup> Annual Conference of the Association of Egyptian liver cancer (Grand Hyatt Hotel), Cairo, Egypt. 1-2 October.	2014	Attendance	
7.	The 12 <sup>th</sup> Annual Congress of Medical Sciences. (Medical Breakthrough Technologies towards a Healthy Community). NRC, Cairo. Egypt. 17-18 December.	2014	Speaker	Zingiber officinale offers a multi-mechanistic approach for management of Alzheimer’s disease induced in rats

<b>8.</b>	The 38 <sup>th</sup> Scientific Conference of the Egyptian Society of Histology and Cytology held. Ain Shams University. 25 <sup>th</sup> December.	2014	Attendance	
<b>9.</b>	5 <sup>th</sup> annual conference Zoology Department Faculty of Women for Art, science and Education Ain Shams University. Studying year (2014-2015)	Studyin g year (2014- 2015)	Attendance	
<b>10.</b>	2 <sup>nd</sup> annual International Conference of the sector Community Service and Environmental Development, Faculty of women for arts, science and education. 15-16/4/2015. Triumph hotel. Helliopolis. Cairo. Egypt.	2015	Attendance	
<b>11</b>	12 <sup>th</sup> annual conference (Diabetes: gut and liver)  (National training center, Cairo, Egypt) 2 <sup>th</sup> -3 <sup>th</sup> septemper, 2015	2015	Attendance	
<b>12</b>	14 <sup>th</sup> annual international conference of the Egyptian Association for the study of liver and Gastrointestinal Diseases.  Marriot Hotel, Cairo 2-4 March 2016	2016	Attendance	
<b>13</b>	2 <sup>nd</sup> international conference of the Arab society of therapeutic nutrition and complementary medicine. 23-24/3/2016 Conrad Cairo Hotel. Cairo Egypt.	2016	Attendance	
<b>14</b>	3 <sup>rd</sup> International Conference of the sector Community Service and Environmental Development, Faculty of women for arts, science and education. 6-7/4/2016. Triumph hotel. Helliopolis. Cairo. Egypt.	2016	Attendance	

<b>15</b>	BioVision Alexandria 2016 Conference, The Conference took place from 12 to 14 April 2016, at Bibliotheca Alexandria, Alexandria, Egypt.	2016	Attendance	
<b>16</b>	The 13 <sup>th</sup> Annual conference of the medical research division. (The future is now). 17 <sup>th</sup> December 2016. Nile Ritz Hotel, Cairo, Egypt.	2016	Attendance	
<b>17</b>	The 7 <sup>th</sup> conference of Zoology department. 27 <sup>th</sup> Feb.2017. Faculty of women for arts, science and education.	2017	Attendance	
<b>18</b>	16 <sup>th</sup> annual international conference of the Egyptian Association for the study of liver and Gastrointestinal Diseases.  Grand Nile Tower, Cairo, Egypt. 6-18 March 2018.	2016	Attendance	
<b>19</b>	The 8 <sup>th</sup> conference of Zoology department. 15 <sup>th</sup> April.2018. Faculty of women for arts, science and education.	2018	Attendance	
<b>20</b>	The 8 <sup>th</sup> conference of the Egyptian society of liver cancer (ESLC) (Liver Cancer Updates). Grand Nile Tower, Cairo, Egypt. 17-18 October 2018	2018	Attendance	
<b>21</b>	The 17 <sup>th</sup> Annual international congress of the Egyptian Association for the study of liver and gastrointestinal diseases. 5-7 March 2019 Grand Nile Tower, Cairo-Egypt	2019	Attendance	
<b>22</b>	16 <sup>th</sup> Annual conference of diabetes gut and liver. 25-26 September 2019 in National Training Institute.	2019	Attendance	

23	The Webinar of (EASLGD) "Functional Gastro- Intestinal Disorders" 23 June 2020	2020	Attendance	
24	the 2nd Webinar of The African Middle East Association for Gastroenterology (AMAGE) in Collaboration with The World Gastroenterology Organization (WGO) The Arab Fund for Technical Assistance to African Countries (AFTAAC) - League of Arab States (LAS). FACING THE CHALLENGE OF COVID 19	2020	Attendance	
25	International Diabetes Federation MENA 21 May (On line) (International Diabetes Federation Middle East and North Africa	2021	Attendance	

### **SUPERVISION OF THE FOLLOWING THESES**

- M.Sc.

No.	Running / Ended	Entitled thesis	Name of candidate	Faculty	University
1	Ended	Protective role of quercetin against induced toxicity of bisphenol A in male rats	Heba Elsayed Abd Elatey	Faculty of Women for arts, science and education	Ain Shams University
2	Ended	Study of the potential role of some nutraceuticals in the management of schizophrenia in the experimental rat model.	Mona Elsayed Ahmed	Faculty of Women for arts, science and education	Ain Shams University
3	Ended	Study the possible modulatory effects of Nanomaterial products against toxicity induced by Chemotherapy in Carcinoma mice.	Neama Atiah Mokhtar Abd El Latif	Faculty of Women for arts, science and education	Ain Shams University

## PhD

No.	Running Ended	Entitled thesis	Name of candidate	Faculty	University
1	Ended	Attenuate effects of stem cells or / and <i>Trigonella foenum-graecum</i> extract against simvastatin - induced muscular atrophy in experimental rat model.	Heba Elsayed Abd Elatey	Faculty of Women for arts, science and education	Ain Shams University

## INVITATIONS

Scientific Tree Group cordially invites me to attend the “**International Conference on Genetics & Genetic engineering**” scheduled to be held from April 01-03, 2019 in London, UK as a **speaker** to share my research titled “**Ellagic Acid Holds Promise Against Hepatocellular Carcinoma in an Experimental Model: Mechanisms of Action**”

## MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS:

- 1- Member of The Egyptian Society of Environmental Toxicology.
- 2- Member of The Egyptian Association for the study of liver and Gastrointestinal Diseases.

**Signature**

**Prof./ Asmaa Magdy Ahmed Zaazaa**