

Marwa Mahmoud, BSc., PhD.

Benha , Qaliobia , 13518, Egypt
TEL/WhatsApp: 00201007395648
marwa.mahmoud@fsc.bu.edu.eg
[dr.marwa.saad@facebook.com](https://www.facebook.com/dr.marwa.saad)

[HTTPS://WWW.BU.EDU.EG/STAFF/MARWAMAHMOUD7](https://www.bu.edu.eg/staff/marwamahmoud7)

Objective:

To contribute to an innovative academic environment through high-quality teaching, student-centered learning, research, and knowledge transfer. I seek to apply my academic and research experience while developing new collaborations, expanding my expertise, and contributing to interdisciplinary education and biomedical research.

Education:

PhD. in zoology, Science Faculty, Benha University, Benha , Egypt.	<u>2010-2014</u>
MSc. in zoology, Science Faculty, Benha University, Benha , Egypt.	<u>2003-2008</u>
BSc. in zoology, Science Faculty, Benha University, Benha , Egypt.	<u>1998-2001</u>

Teaching experience :

- Years of experience from the first academic job : 24 years
- Years of experience after PhD : 11 years
- Major: Biology – Zoology.

Teaching philosophy :

To support students in developing strong scientific thinking and innovation through student-centered teaching, active learning, critical thinking, and confidence in applying biological and biomedical concepts.

Research philosophy:

My research approach focuses on applied biological questions and investigating how environmental, cellular, and biological factors affect living systems and human health.

Service philosophy :

I can divide my service philosophy to two parts .

First part in my philosophy with my member team depend on

("The 5Rs," which makes their values — respectful, responsive, realistic, responsible, and remembered positively .

second part in my philosophy with my experimental animals depend on ("The 3Rs," which makes their values — replace , reduce and refine .

Professional affiliations:

<i>Coordinator and Academic Advisor for the Molecular Biology and Biotechnology Program, Branch Obour City, Zoology Department, Science Faculty , Benha University, Benha , Egypt.</i> Link Facebook page : https://www.facebook.com/profile.php?id=61559914616610&mbextid=ZbWKwL	2024 – until now
Zoology (Assistant professor / lecturer) , Science Faculty , Benha University, Benha , Egypt.	2015 – until now
Zoology Assistant lecturer, Science Faculty , Benha University, Benha , Egypt.	2008 – 2014
Demonstrator, Science Faculty , Benha University, Benha , Egypt.	2002 –2008

Skills:

1- **Soft skills :** I can achieve these skills like:

Communication, Flexibility, Leadership, Motivation , Self-Motivation ,Patience, Persuasion, Problem-solving abilities, Responsibility ,Teamwork, Decisiveness, Time management, Ability to Work Under Pressure and Time Management , Flexibility , Negotiation and Conflict Resolution and Work ethic.

2- **Hard skills :**

Project Management , Administrative , Digital Marketing, Machine Learning , Artificial Intelligence, Design, Proposal Writing, Reporting, Science, Software (Microsoft office) , Social Media Marketing, Spreadsheets, Teaching, Technical Writing, Testing, Translation, Transcription, Word Processing and

Languages :

Arabic : Native language

English : Advanced Listener, Speaker, Reading and Writing

3- **Work practical skills:**

I can achieve histological techniques , histochemistry, immunohistochemistry , physiology , immunology anatomy , cytogenetics , some of molecular biology techniques , tissue culture techniques, and stem cells techniques .

4- **Teaching skills:**

I can teach many courses of zoology to undergraduate and postgraduate students as teaching:

Cytology

Histology

Histopathology

Histochemistry

Physiology

Neurobiology

Tumour Biology

Research Methods

Tissue culture

Stem cell biology

Biotechnology management

Biotechnology introduction

5- **Other skills :**

Arrange and supervision on training courses, workshops and seminars.

Make research paper, reviews .

Supervision on research project and MSc. or PhD. thesis.

I prepared and supervised on the fourth year students to achieved the first **Clearing some basics of scientific research course in our college and department April 2024.**

Link Facebook page :

<https://www.facebook.com/profile.php?id=61559964924025&mibextid=ZbWKwL>

Supervision of Graduation research and Scientific Theses :

-(Master thesis ended 2017) Ttle : Cyto toxic effects of zinc oxidenanoparticles on testicular tissue of albino mice.

-(Master thesis roll now) Title : **Molecular study on the Antitumor effect of 2', 3'-Dideoxyguanosine triphosphate (ddgtp) analog against cancer proliferation**

PUBLISHED RESEARCH:

- 1- Mohamed El-Hady El-desoky and Marwa Mohamady . Ultrastructural studies on the effect of electromagnetic field on the liver of albino rats (Rattus norvegicus), Journal of american science 2001 ;7) 2 .(

- 2- Marwa S.M. Mahmoud . Studies on Some Biological Aspects of Electromagnetic Field on The Liver of Albino Rats . master degree, lambert academic publishing, 2016.
- 3- Marwa S.M. Mahmoud . Effects of 6 weeks exposure of 3.5 mT (ELF EMF) on some animal behaviors in white albino rat (Sprague Dawley) pups. zagazig veterinary, 2014, 42(1), 74-80.
- 4- Samir A. Nassar, Omar I. Ghonemy, Mohamed H. Awwad, Marwa S.M. Mahmoud and Yazed M.B.Alsagati. Cyto toxic effects of zinc oxide nanoparticles on testicular tissue of albino rat and the protective role of vitamine E, Transylvanian review 2017 Vol XXV, No 22 (5809-5819).
- 5- Salma S. Nassara, Marwa S. M. Mahmoud , Somaia A. Negmc and Amr M. Abd El-Hadyd .Histological, histochemical, and immunohistochemical changes in mouse pancreas induced by electromagnetic field (EMF) exposure and potential protective effects of crocin. EGYPTIAN JOURNAL OF BASIC AND APPLIED SCIENCES. 2025, VOL. 12, NO. 1, 638–653.

Shairing In Innovators Marathons :

- Benha National University 2026.
- Benha University 2026 (with student project about product of wound heling this paper under working still now to publish).

Copy of highest earned credential (transcript of highest degree if graduated from an institution where course work was completed.



Attendance and active participation in training courses, workshops and seminars:



	<u>Course/Workshop /seminar / supervisor and trainer Name</u>	<u>Place</u>	<u>Date</u>
1	Participant in the Use and maintenance of educational display devices, production of educational materials and design of educational situations course	Faculty of Education - Benha University	Feb 2006
2	Participant in the Coarse on electron microscopy	Zagazig University - Electron Microscope Unit	25- 27/ 3/ 2006
3	Participant in the Applications of modern diagnostic immunology techniques in the diagnosis of infectious diseases, especially the ELISA test course	Faculty of Veterinary Medicine - Cairo University	11-15/ 3/2007
4	Certificate in 18 English Level(from beginner to upper intermediate levels (new interchange course books) with excellent score	Association of Language and Computer Science Experts, registered No. 5177 of 2003	4/ 5/ 2007
5	Participant in the University teacher preparation course	Faculty of Education - Benha University	26/4- 7/5 / 2009
6	Participant in the Examination and student evaluation systems	Training Center - Benha University	13- 15/ 7/ 2010
7	Participant in the Statical analysis spss	Computer Center - Benha University	26- 28/ 7/ 2010
8	Certificate of ICDL course	Bashayer Center sponsored by a grant from Benha University	16/10/2011
9	Participant in the Self-assessment and external review	Training Center - Benha University	12-14/ 6/ 2012
10	Certificate of local TOEFL test with score RECORD 566	Public Service Center for Foreign Languages, Benha University.	18-september- 2013
11	Participant in the Nature Research Academies : Successful Pre-submossion publishing strategies in	On line by Egyptian knowledge bank	7-feb- 2021

	collaboration with the EKB		
12	Participant in the InCites B&A hands on training	On line by Egyptian knowledge bank	9-feb-2021
13	Participant in the Basics of scientific research and raising the capabilities of researchers course	Researcher Support Center, Faculty of Science, Cairo University	21/1-10/2/2021
14	Participant in the Image analysis (Image J programme) course	Under the auspices of the Egyptian Society of Histology and Cytology	30-31/ 1 /2021
15	Participant in An introductory seminar and introduction to the statistical principles of the spss program	the British Egyptian Academy in London online	12/ 2 /2021
16	Participant in the Future Foresight of Entrepreneurship and Future Opportunities for Work	Innovation Support Office (TAICO) - Benha University online	13-15 / 2 /2021
17	Participant in the Seminar on the role of the university in achieving Egypt's 2030 goals	Benha university	25/ 9 /2022
18	Participant in the Seminar on the role of intellectual property in achieving sustainable development in Egypt	Benha university	26/ 9 /2022
19	Participant in the How to choose a research point and write a professional research article	National Institute of Standardization Egypt online	31/ 12/2022
20	Participant in the Intensive scientific research course	Researcher Support Center, Faculty of Science, Cairo University	29/1-2/2/2023
21	Participant in the Applications of Artificial Intelligence and Chat GPT in Education and Scientific Research	Future Scientists Platform Facebook page online	25/2/2023
22	Participant in the Online workshop "Leadership and Management"	Organized by the College of Continuing Education at Nile University	5/4/2023
23	Participant in the Introductory seminar on green smart projects online	Under the patronage of Ambassador. Hesham Badr - General Coordinator of	11/4/2023

		the Initiative Eng. Khaled Mustafa - Permanent Undersecretary Dr. Hesham Al-Helbawy - Assistant Minister of Local Development	
24	Participant in the How to write a scientific research paper targeting classified journals (Q1 + Q2) workshop	The official page of the Association of Arab Universities on Facebook online	30/4/2023
25	Participant in the TOT 92 Course and P.T.P Training of Trainers Course and Training Package accredited by Ain Shams University course	Ain Shams University Adult Education Center	4-20 /5/2023
26	Certified Trainer from Adult Education Center	Ain Shams University Adult Education Center	27/5/2023
27	Participant in the Egyptian Knowledge Bank Information Resources Workshop	Benha university	29-30 /10/2023
28	Participant in the The First Environmental Forum at Benha University Environmental Economics and its Role in Sustainable Development	Benha university	7/11/2023
29	Participant in the New World Discovery Seminar: Using Artificial Intelligence in Various Fields of Scientific Research workshop	Cairo University Laser Institute	18/2/2024
30	Participant in the Workshop hands on PCR course	Biochemical endocrinology unit ,Department of Biochemistry, Faculty of Medicine, Benha University	5,12/3/2024
31	Participant in the Statistical analysis of test results workshop	Evaluation and Measurement Center, Benha University	10/3/2024
32	Participant in the Strategic Planning for Colleges and Institutes of Higher Education	Quality Assurance and Accreditation Center, Benha University, in	25- 26/ April /2024

	course	agreement with the National Authority for Quality Assurance and Accreditation of Education	
33	Preparation and Supervision the first <u>Clearing some basics of scientific research course</u>	zoology department, science faculty , Benha university	23-24/4/2024
34	Academic guidance , psychological and social support course for faculty members.	Education and Student Affairs Sector, Benha University.	May 2024
35	Participant at the academic scientific writing workshop	organized by the service and support center for researchers – Auditorium 7 - Faculty of Science - Cairo University	21-22 May 2024
36	Participant in the “Biostatistics and data Analysis” workshop,	organized by the Service and support centre for researchers, Faculty of Science, Cairo University	26-27 June 2024
37	Participant in the Description of programs and courses for colleges and institutes of higher education course	Quality Assurance and Accreditation Centre, Benha University, in agreement with the National Authority for Quality Assurance and Accreditation of Education	2,3,4/7/2024
38	Participant in the Effective Teaching and Learning Strategies for Colleges and Institutes of Higher Education course	Quality Assurance and Accreditation Center, Benha University, in agreement with the National Authority for Quality Assurance and Accreditation of Education	9-10/7/2024
39	Participant in the Basics of biostatistics by SPSS course	Health research hub online	22 /7/ 2024

40	Workshop (theoretical and practical) How to be qualified biotechnologists	children's Cancer hospital, Egypt 57357 the department of continuous education and developmental knowledges	13-21/9/2024
41	Workshop (New approaches in liver clinic and bench collaboration summit)	Egyptian association of cancer research	02 November 2024
42	5 th Al- Azhar Clinical & surgical oncology international conference	Hilton Cairo Grand Nile	4-5 September 2025
43	Training (Innovative experimental techniques in genetics and the role of probiotics in cancer management)	National Research Centre	14-18 September 2025
44	5 th scientific conference on Lung&Breast cancer	Oncology department at sheikh zayed specialized hospital	10 th October 2025
45	1 st part workshop Proteomics	AGIRI A.R.C.	12 November 2025
46	2 nd part workshop Proteomics	AGIRI A.R.C.	1 December 2025
47	Workshop molecular docking principal and practices drug discovery	National Research Centre	24 December 2025
48	7 th Workshop Egyptian bioinformatics	Nile university	3 January 2026
50	AI Ambassadors, Batch Seven	National Telecommunication Institute	18 February .- 25 March 2026