

Suzan Attia Mawed Ebrahim



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📍 Egypt, El-Dakahlia, Mitghamer, El-Rahmania

🌐 <http://www.staffdata.zu.edu.eg/ar/ShowData/22373>

Profile

- Innovative Associate Professor bringing proven success in implementing technology and based curriculum delivery and assessment tools.
- Passionate about fostering academic development and success for every student.
- Inspiring Professor brings advanced teaching skills and department leadership experience.
- Goal-oriented to advance department, improve teaching and modernize courses.
- Extensive background in the research and university fundraising

Additional Information

Language skills

- *Mother tongue* :- Arabic
- *Other language(s)*:

1- English LISTENING C2 READING C2 WRITING C2 SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

2- Chinese LISTENING A2 READING A1 WRITING A1 SPOKEN PRODUCTION A2 SPOKEN INTERACTION A1

Driving license Number: 176978

Education Background

1- Doctorate (Ph.D.)

-College of Fisheries
Huazhong Agriculture
University, Wuhan, P.R.China
-Aquaculture, Fish Genetics and
Breeding.

September 2016-June 2020

Thesis: Functional analysis of *atg7* and *beclin1* During the Larval-To-Juvenile Transition and In Adult Zebrafish.

Main Experience:

- 1- General Molecular Experiments (PCR, qrt-PCR, DNA and RNA molecular techniques, Western blotting, RNA insituhybridization, immunofluorescence, Immunohistochemistry.
- 2-Histological and Histopathological techniques and Transcriptomic Sequencing (RNA-Seq).
- 3-Gene Cloning, Gene editing using CRISPR/Cas9 technique. Fish rearing and breeding.
- 4-Data analysis and graphs preparation.

2- Master of Zoology (M.Sc)

-Faculty of Science, Zoology Department,
ZagazigUniversity, Zagazig, Egypt
-Comparative Anatomy and Experimental
Embryology.

September 2009- May 2014

Thesis: A comparative morphological and histological study on some sense organs in some fishes

Main Experience:

- 1-Training on fish Breeding and Anatomy.
- 2-Training on Histology, Scanning &Transmission Electron Microscope.

3- Bachelor of Biology (B.Sc)

-Faculty of Science, Zoology Department,
ZagazigUniversity, Zagazig, Egypt
-General Zoology

September 2004- May 2008

Sum: 5419/6000 (Excellent with honor grade)
Percentage: 90.32%

Scientific Publications

- 1- Sun H, Wang Z, Zhang Z, Xiao Q, **Mawed S A**, Xu Z, Zhang X, Yang H, Zhu M, Xue M, Liu X, Zhang W, Zhen Y, Wang Q, Pan Y. Genomic signatures reveal selection of characteristics within and between Meishan pig populations. *AnimGenet*. 2018 Apr;49(2):119-126. doi: 10.1111/age.12642. Epub 2018 Mar 6. PMID: 29508928
- 2- **Mawed, Suzan Attia**, Yan He, Jin Zhang, and Jie Mei. "Strategy of hepatic metabolic defects induced by beclin1 heterozygosity in adult zebrafish." *International Journal of Molecular Sciences* 21, no. 4 (2020): 1533.
- 3- **Mawed, Suzan Attia**, Jin Zhang, Fan Ren, Yan He, and Jie Mei. "atg7 and beclin1 are essential for energy metabolism and survival during the larval-to-juvenile transition stage of zebrafish." *Aquaculture and Fisheries* 7, no. 4 (2022): 359-372.
- 4- Ahmed, M. M., A. T. Mohammed, M. R. Farag, M. A. Hassan, **S. A. Mawed**, M. Alagawany, C. Zizzadoro, A. Di Cerbo, and H. M. R. Abdel-Latif. "Dietary Supplementation of Nile Tilapia (*Oreochromis niloticus*) With Panax ginseng Essential Oil: Positive Impact on Animal Health and Productive Performance, and Mitigating Effects on Atrazine-Induced Toxicity. *Front. Mar. Sci* 9 (2022): 920057.
- 5- **Mawed, Suzan Attia**, Carlotta Marini, Mahmoud Alagawany, Mayada R. Farag, RashaM. Reda, Mohamed T. El-Saadony, Walaa M. Elhady, Gian E. Magi, Alessandro Di Cerbo, and Wafaa G. El- Nagar. "Zinc Oxide Nanoparticles (ZnO-NPs) Suppress Fertility by Activating Autophagy, Apoptosis, and Oxidative Stress in the Developing Oocytes of Female Zebrafish." *Antioxidants* 11, no. 8 (2022): 1567.
- 6- **Mawed, Suzan Attia**, Gerardo Centoducati, Mayada R. Farag, Mahmoud Alagawany, Shimaam. Abou-Zeid, Walaa M. Elhady, Mohamed T. El-Saadony, Alessandro Di Cerbo, and Sheren A. Al- Zahaby. "Dunaliella salina Microalga Restores the Metabolic Equilibrium and Ameliorates the Hepatic Inflammatory Response Induced by Zinc Oxide Nanoparticles (ZnO-NPs) in Male Zebrafish." *Biology* 11, no. 10 (2022): 1447.
- 7- Farag, Mayada R., Claudia Zizzadoro, Mahmoud Alagawany, Shimaam M. Abou-Zeid, **Suzan Attia Mawed**, Mohamed S. El Kholy, Alessandro Di Cerbo et al. "In ovo protective effects of chicoric and rosmarinic acids against Thiachloprid-induced cytotoxicity, oxidative stress, and growth retardation on newly hatched chicks." *Poultry Science* (2023): 102487.
- 8- Farag, Mayada R., Mahmoud Alagawany, EmanAA Mahdy, Enas El-Hady, Shimaam M. Abou-Zeid, **Suzan A. Mawed**, Mahmoud M. Azzam, Giuseppe Crescenzo, and Azza MA Abo-Elmaaty. "Benefits of Chlorella vulgaris against Cadmium Chloride-Induced Hepatic and Renal Toxicities via Restoring the Cellular Redox Homeostasis and Modulating Nrf2 and NF-KB Pathways in Male Rats." *Biomedicines* 11, no. 9 (2023): 2414.
- 9- Al-Zahaby, Sheren A., Mayada R. Farag, Mahmoud Alagawany, Heba SA Taha, Maria Vittoria Varoni, Giuseppe Crescenzo, and **Suzan Attia Mawed**. "Zinc Oxide Nanoparticles (ZnO-NPs) Induce Cytotoxicity in the Zebrafish Olfactory Organs via Activating Oxidative Stress and Apoptosis at the Ultrastructure and Genetic Levels." *Animals* 13, no. 18 (2023): 2867.

Experience

1- Associate professor (Lecturer)

-Faculty of Science, Zoology Department, Zagazig University, Zagazig, Egypt

-October 2020-Till now

Main Experience:

- My Scope in scientific research includes (Animal Anatomy, Experimental Embryology, Molecular Biology, Toxicology, Nanotechnology, Histology, Histopathology, Data analysis, working on different animals' model).
- Joined with an excellent team work in doing experiments, statistical analysis, writing scientific manuscripts for publication in qualified Q1 impacted journals.
- My Academic interests are delivered engaging lectures, seminars and tutorials, increasing class productivity.
- Coordinated with colleagues in continuous reviews and curriculum development, ensuring students received high-quality courses.
- Continuously improved subject knowledge by conducting thorough research.
- Maintained extensive knowledge in current research, ensuring teaching metacademic standards.
- Implemented strategic lesson planning, monitoring progress and performance against set targets.
- Assisted in planning and development of teaching materials, workbooks and class projects.
- Clearly conveyed core subject concepts on 1:1 basis, tailoring explanations to meet students' needs.
- Recognized students' positive behavior using established rewards system.
- Devised curriculum plans to achieve department exam targets.
- Spearheaded research into 'Comparative Anatomy and Experimental Embryology', designing protocols, leading research teams and overseeing execution.
- Prepared polished lectures discussing course-specific topics and broader related issues.
- Administered examinations, graded papers and assigned fair, accurate grades based on results.
- Teaching lectures and seminars in (Comparative Anatomy of Zoology, Experimental Embryology, Aquaculture, Genetics and Breeding, Molecular Editing, Organic Evolution of Vertebrates).

2- Ph.D. Candidate at 'College of Fisheries'

Huazhong Agriculture University (HZAU)

Wuhan, China

September 2016-June 2020

Main Experience:

- Worked with PhD project stakeholders to understand, define and meet project requirements.
- Coordinated staff and resources to meet project goals.

3- Assistant lecturer

-Faculty of Science, Zoology Department (Anatomy and Experimental Embryology),
Zagazig University, Zagazig, Egypt

May 2014- August 2016

Main Experience:

- Instructed students in classroom and lecture environments and explained importance of speech delivery and presentation.
- Conducted general administration on behalf of lectures such as report writing, lesson planning and responding to emails.
- Maintained excellent student relationships by providing supportive, helpful environments through how to make a research paper and doing some experiments.

4- Biology Demonstrator

- Faculty of Science, Zoology Department (Anatomy and Experimental Embryology) Zagazig University, Egypt
December 2008-April 2014

Skills

Digital Skills Microsoft Office / Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Skype / Social Media / Facebook / Google Docs / Internet user / Power Point / Organizational and planning skills / Written and Verbal skills / Good listener and communicator / Motivated / Team-work oriented / Reliability / Decision-making / Analytical skills / Responsibility / Flexibility / Presenting / Creativity / Conflict resolution / Empathic listener / Detail-Oriented / Research and analytical skills / Strategic Planning / Critical thinking / Excellent writing and verbal communication skills / Good time management / WhatsApp / positive thinking / leadership / Good Communication

- Teaching and Research skills
- Student support
- Seminar management
- Teaching material development
- Lecture planning
- Research papers
- Academic publication
- Assignment grading
- In-class lectures
- Student performance evaluation
- Tutorial planning
- Proposal development
- Course material preparation

References

1- Prof. Dr. Mostafa Ali Salem, Professor of Comparative Anatomy and Embryology, Head of Zoology Department, Faculty of Science, Zagazig University, Zagazig, Egypt. (My M.Sc. Supervisor)

• **Tel. +02-012783364770.**

• **Email address: salemlab3@hotmail.com**

2-Prof. Dr. Mei Jei, Professor of Fish Genetics and Breeding, College of Fisheries, Huazhong Agriculture University, Wuhan, Hubei Province, P.R. China. (My Ph.D. Supervisor)

• **Tel: +86-27-87282113; Fax: +86-27-87282113**

• **Email address: jmei@mail.hzau.edu.cn**

3- Prof. Dr. He Yan. Professor of Fish Genetics and Breeding, College of Fisheries, Huazhong Agriculture University, Wuhan, Hubei Province, P.R. China. (My Ph.D. Supervisor)

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