

CURRICULUM VITAE

Personal Information

Name : Fatma Farrag Ali Ahmed
Birth Date : March, 4, 1980
Gender : Female
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Address home : Minia, Egypt.
Address Work : Medical Physiology Department, Faculty of Medicine, Minia University, Minia, Egypt.
Current profession: Associate Professor, Medical Physiology Department., Faculty of Medicine, Minia University, Minia, Egypt.

Academic background and qualifications

1) M.D STUDY

- ✚ **Academic qualification** ▪ M. D., Medical Physiology, 2014.
- ✚ **Degree obtained** ▪ Pass (there is no degree).
- ✚ **Name of University** ▪ Minia University, Minia, Egypt.
- ✚ **Field of study** ▪ Endocrine Physiology.
- ✚ **Length of study** ▪ 4 years.
- ✚ **MD' Thesis title** ▪ Study on the response of suprarenal gland under different conditions in adult male albino rats.

2) M.Sc. STUDY

- **Academic qualification** ○ M. Sc., Medial Physiology, 2010.
- **Degree obtained** ○ Distinction.
- **Name of University** ○ Minia University, Minia, Egypt.
- **Field of study** ○ Physiology.
- **Length of study** ○ 5 years.
- **Masters' Thesis title** ○ A study on the effect of nitric oxide on skeletal muscle contraction under different conditions in albino rats.
- **Preliminary Postgraduate Courses** ○ Performed with score very good.
- **General Score of Graduation** ○ Distinction with honor's degree.
- **Name of University** ○ Minia University, Minia, Egypt.

Degrees during studying years

3) M.B.B.CH. STUDY

- | Year | Degree |
|-------------------------|---------------|
| ✚ 1st year , 1997-1998 | ▪ Very good |
| ✚ 2nd year , 1998-1999 | ▪ Very good |
| ✚ 3rd year , 1999 -2000 | ▪ Distinction |
| ✚ 4th year , 2000-2001 | ▪ Distinction |
| ✚ 5th year , 2001-2002 | ▪ Distinction |
| ✚ 6th year , 2002-2003 | ▪ Distinction |

History of Positions

- **March, 2004 - February, 2005**

House officer.

- **June, 2005 – February, 2010**

Demonstrator, Physiology Dept., Faculty of Medicine, Minia University.

- **February, 2010 – November, 2014**

Assistant lecturer, Physiology Dept., Faculty of Medicine, Minia University.

- **November, 2014 – March, 2020**

Assistant Professor, Physiology Dept., Faculty of Medicine, Minia University.

- **March, 2020 up to now**

Associate Professor, Physiology Dept., Faculty of Medicine, Minia University.

Academic Experience and Teaching Background

1. **Teaching for medical students (old and integrated systems), pharmaceutical students, clinical pharmaceutical students, nursing students and dental students;** Instructed students on diverse subject matters, and provided teaching and assistant in laboratory work in the Physiology Dept., Faculty of Medicine, Minia University for the following courses for undergraduate students:
 1. Endocrine system and Reproduction.
 2. Hematological system.
 3. Renal system.
 4. Nervous system.
 5. Special senses.
 6. Cardiovascular system (CVS).
 7. Respiratory system.
 8. Digestive system.
 9. Musculoskeletal system.
 10. Metabolism.
2. **Managed all aspects of curriculum development and implementation.**
3. **Determined student capabilities and utilized effective teaching methods to educate students.**
4. **Played a key role in developing course materials for training seminars.**
5. **Evaluated student performance levels and recommended augmentations in study habits which resulted in improved academic performance levels.**
6. **Participated in online teaching through Microsoft teams.**
7. **Participated in electronic exams preparation.**

Language Proficiency

1. **Arabic** Excellent, Mother tongue
2. **English** Good command of English (Reading, listening, Speaking, Writing)
Passed the TOEFL test (Test of English as a Foreign Language)

Computer Skills

- Have got the ICDL certificate (International Computer Driving License).
- Have a good experience with statistics programs (SPSS & GraphPad prism) and bibliographic database (EndNote).

Conferences & Meetings

- December, 2014, attended the Periodic Scientific Meeting of Physiology Department on “Recent Advances in Muscle Proteins”, Minia Faculty of Medicine.
- December, 2014, attended Conference of “Nutrition and Health”, Minia University Hospital.
- February, 2015, attended the Periodic Scientific Meeting of Physiology Department on “Blood Brain Barrier”, Minia Faculty of Medicine.
- March, 2015, attended the 19th Annual Meeting of “Rheumatology and Rehabilitation Department”, Minia Faculty of Medicine.
- April, 2015, attended scientific meeting on "Gasotransmitters", Physiology Department, Faculty of Medicine, Minia University.
- March, 2017, attended "Annual Scientific Day of the Pharmacology Department", Faculty of Medicine, Minia University.
- June, 2019, attended the Periodic Scientific Meeting of Physiology Department on “Alzheimer's disease”, Minia Faculty of Medicine.
- August, 2019, attended the Periodic Scientific Meeting of Physiology Department on “Epilepsy”, Minia Faculty of Medicine.
- October, 2021, attended "Preservation of the Environment and Treatment of its Pollution" conference at Horus resort, Minia, Egypt.
- May, 2022, attended "The Second Scientific conference of the Pharmacology Department" at the conference hall in Horus resort, Minia, Egypt.

Workshops

- 1) **2005- 2014, attended 12 training courses in the:**
(Faculty and Leadership Development Project, FLDP), Minia University Center for Educational Technology, in various subjects like: Decision Making and Problem Solving, Recent Trends in Teaching, Effective Communication, Effective Presentation, Strategic Planning and other subjects.
- 2) **February-March, 2016**
Attended "Creating personal websites" course in the:(Information & Communication Technology Project, ICTP), Minia University Center for Educational Technology.
- 3) **July, 2018**
Attended " Scientific research ethics and international publishing".
- 4) **July – August, 2018**
Attended "Research in global databases and management of scientific references" “Endnote”.
- 5) **March 17th – 18th, 2019**
Attended "Scientific conferences Organization", supported by the Faculty Leadership Development Project (FLDP), Minia University.
- 6) **June 18th – 19th, 2019**
Attended "University Administration", supported by the Faculty Leadership Development Project (FLDP), Minia University.
- 7) **August 18th - 20th, 2019**
Attended “Statistical Analysis Using SPSS”, Information & Communication Technology Project (ICTP), Minia University.
- 8) **May, 2021**
Attended online " Test item preparation course for Medical sector".
- 9) **August 9th -10th , 2023**

Attended "Creating personal websites" course in the:(Information & Communication Technology Project, ICTP), Minia University Center for Educational Technology.

10) August 15th – 16th, 2023

Attended "Dealing with students with disabilities", supported by the Faculty Leadership Development Project (FLDP), Minia University.

Fields of interest and Skills

- 1) I'm interested in the field of the Endocrine physiology, so that I had done my M.D in this field.
- 2) I have strong ability to produce presentations to a professional standard.
- 3) I'm efficient at time management and prioritizing tasks to achieve deadlines with strong team working, leadership and very good communication skills.
- 4) I'm characterized by a high level of independency and strong analytical capabilities in dealing with complex matters.
- 5) I have advanced skills in writing researches.
- 6) I'm characterized by having personal websites like ORCID, Google Scholar, Research gate and Web of Science.

List of Publications & Scientific Awards

Local Publications:

- 1) A study on the role of exogenous nitric oxide donors on the development of skeletal muscle fatigue in adult albino rats. *El-minia med., bull.*, 20 (1), 2009.
- 2) A study on the relationship between different levels of oxygen tension and nitric oxide on skeletal muscle contraction in rats. *El-minia med., bull.*, 20 (1), 2009.
- 3) Myopathy in type ii diabetes: metabolic and functional study in adult male albino rats. *Al-Azhar med. J.* 45(2): 449-463, 2016.
- 4) The preventive effect of sodium hydrogen sulfide against L-arginine induced acute pancreatitis in male albino rats. *MJMR.* 28 (3): (28-34), 2017.
- 5) Pathophysiological mechanisms of type 2 diabetes mellitus and the effects of metformin treatment in adult male albino rats. *MJMR.* 34 (1): (209-214), 2023.

International Publications:

- 1) Effect of unilateral adrenalectomy on acute immobilization stress response in rats. *Endocrine Regulations.* 49: 206–216, 2015.
- 2) Biological variations in adrenal gland response to immobilization and glucoprivation stressors in rats. *Endocrine Regulations.* 49: 217–226, 2015.
- 3) Effect of Hemin on Brain Alterations and Neuroglobin Expression in Water Immersion Restraint Stressed Rats. *Scientifica.* 2016:7825396, 2016.
- 4) H₂S attenuates acute lung inflammation induced by administration of lipopolysaccharide in adult male rats. *Gen. Physiol. Biophys.* 37(3): 421– 431, 2018.
- 5) Proinsulin C-peptide as an alternative or combined treatment with insulin for management of testicular dysfunction and fertility impairments in streptozotocin-induced type 1 diabetic male rats. *J Cell Physiol.* 234(6):9351-9357, 2019.
- 6) Preventive effect of omega-3 fatty acids in a rat model of stress-induced liver injury. *J Cell Physiol.* 234(7):11960-11968, 2019.
- 7) Underlying mechanisms behind the protective effect of Angiotensin (1-7) in experimental rat model of ovarian ischemia reperfusion injury. *Life Sciences* 235: 116840, 2019.
- 8) Comparing the preventive effect of sodium hydrosulfide, leptin, and curcumin against L-arginine induced acute pancreatitis in rats: role of corticosterone and inducible nitric oxide synthase. *Endocrine Regulations.* 53(4):221-230, 2019.
- 9) Amelioration of estrogen-induced endometrial hyperplasia in female rats by hemin via heme-oxygenase-1 expression, suppression of iNOS, p38MAPK, and Ki67. *Canadian Journal of Physiology and Pharmacology.* 97(12):1159-1168, 2019.

- 10) Muscle adaptation to sleeve gastrectomy: Potential role of nutritional supplementation and physical exercise. *Acta Biochim Pol.*69(1):37-50, 2021.
- 11) Protective effect of hydrogen sulfide against stress-induced lung injury: involvement of Nrf2, NFκB/iNOS, and HIF-1α signaling pathways. *Cell Stress and Chaperones.*27 (1):55–70, 2022.
- 12) Administration of hemin ameliorates ovarian ischemia reperfusion injury *via* modulation of heme oxygenase-1 and p-JNK/p-NF-κBp65/iNOS signaling pathway. *Life Sciences.* 296:120431, 2022.
- 13) Targeting PI3K/p-Akt/eNOS, Nrf2/HO-1, and NF-κB/p53 signaling pathways by angiotensin 1-7 protects against liver injury induced by ischemia-reperfusion in rats. *Cell Biochemistry and Function.*42(1): e3938, 2024.

Scientific Awards:

Obtaining the International Scientific Publishing Award at the 8th Science Day Celebration at Minia University, 2019.

Obtaining the International Scientific Publishing Award at the 9th Science Day Celebration at Minia University, 2020.

Obtaining the International Scientific Publishing Award at the 11th Science Day Celebration at Minia University, 2022.

SUPERVISION

Master Thesis:

- The Possible Preventive Effect of Some Antioxidants and Anti-inflammatory Agents Against L-arginine-Induced Acute Pancreatitis in Male Albino Rat.
- Hypoglossal-Facial Nerve Neuroorrhaphy; A Developing Modality to Repair Facial Nerve Injuries (Experimental Study).
- EFFECT OF CARNOSINE ADMINISTRATION ON THE DEVELOPMENT OF TYPE II DIABETES IN MALE ALBINO RATS.

Doctoral Thesis:

- Study on the Pathophysiological Mechanisms in Experimentally-induced Epilepsy in Male Albino Rats.
- The probable impact of heme-oxygenase-1 modulation on experimentally induced aging in rats.

REFERENCES

1. Prof. Dr. Ibrahim Yahia Ibrahim

Professor and former head of Physiology Department - Faculty of Medicine- Minia University – Minia – Egypt.

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2. Prof. Dr. Hamed Mohamed Aly Osman

Professor of Physiology - Faculty of Medicine- Al-Azhar University – Cairo – Egypt

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3. Prof. Dr. Selim Mahmoud Abdel-Hakim

Professor of Physiology - Faculty of Medicine- Minia University – Minia – Egypt.

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4. Prof. Dr. Walaa Hassan Nazmy

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Thanks a Lot for Giving Time to Read My C.V.