



# SALWA ABURAGEH ABUIESSA

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## EDUCATION

- **6/2021:** Ph.D. in Pharmaceutical Sciences, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt. The PhD thesis is entitled: "Effect of endotoxemia on maternal and fetal cardiovascular programming in preeclamptic rats: Role of renin-angiotensin system modulators"
- **7/ 2017:** Master in Pharmaceutical Sciences, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt. The master thesis was entitled: "Potential protective effect of some serotonin receptor modulators on experimentally-induced gastric ulcers"
- **2011-2017:** Full-time M.Sci. Student, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2011:** Bachelor of Pharmaceutical Sciences, Distinction of Honor, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2004:** Graduated secondary School.

## POSITIONS HELD

- **7/2021-present:** Lecturer of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2017-present:** Coordinator of Quality Assurance at the Department of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **8/2017- 6/2021:** Assistant Lecturer of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **09/2011-7/2017:** Instructor of Pharmacology and Toxicology Faculty of Pharmacy, University of Alexandria

## AWARDS & HONORS

- **Ranked First on pharmacy class (2006-2011). Grade: Distinction**

- **PHARMACY FRIENDS ASSOCIATION Award** for the Highest Score of pharmaceutical courses (2006-2011)
- **AMRIA PHARMACEUTICAL INDUSTRIES Award** for the Highest Score of pharmaceutical courses (2006-2011)
- **ALEXANDRIA PHARMACEUTICAL INDUSTRIES Award** for the Highest Score of in organic chemistry (2006-2011)
- **ALEXANDRIA PHARMACEUTICAL INDUSTRIES Award** for the Highest Score of in pharmaceuticals (2006-2011)
- **EUROPEAN EGYPTIAN PHARMACEUTICAL INDUSTRIES COMPANY Award** for the Highest Score in industrial pharmacy course (2011)
- **ARAB GELATINE PHARMACEUTICAL PRODUCTS COMPANY AWARD** for the Highest Score in analytical chemistry course (2006-2011)
- **EI-PHARONIA PHARMACEUTICALS COMPANY Award** for the Highest Score in pharmaceutical courses (2006-2011)
- **PROF.DR. ABDUL-AZIZ BASSIOUNY AWARD** for the highest score in analytical chemistry courses (2006-2011)
- **PROF.DR. MOHAMED ELSAYED RAGAB AWARD** for the Excellence and Top scores in organic chemistry courses (2006-2009)
- **PROF.DR. HASSAN ABDEEN GOLDEN MEDAL AWARD** for the Highest Score in analytical chemistry courses (2006-2009)
- **PROF.DR. SAWSAN EL-MASRY AWARD** for the best Scores in chemistry of crude drugs course (2010)
- **International Travel Award in the Graduate and Post-baccalaureate Student category to attend the ASPET Annual Meeting at Experimental Biology (EB) 2020 in San Diego, CA .**
- **Selected as the HIGHLIGHTED TRAINEE AUTHOR May 2020 by the journal of Pharmacology and Experimental Therapeutics for the article:** *Abuissa SA, Wedn AM, El-Gowilly SM, Helmy MM, El-Mas MM. Pre-eclamptic Fetal Programming Alters Neuroinflammatory and Cardiovascular Consequences of Endotoxemia in Sex-Specific Manners. J Pharmacol Exp Ther. 2020 May;373(2):325-336. doi: 10.1124/jpet.119.264192. Epub 2020 Feb 24. PMID: 32094295.*
- **International Travel Award in the Graduate and Post-baccalaureate Student category to attend the virtual ASPET Annual Meeting (reduced registration fees) at the Virtual Experimental Biology (EB) 2021, April 27-30.**
- **International Travel Award in the Postdoctoral Scientist category to attend the ASPET Annual Meeting at Experimental Biology (EB) 2022 in Philadelphia, PA.**

## PROFESSIONAL SOCIETY MEMBERSHIP

- Member in The American Society for Pharmacology and Experimental Therapeutics (ASPET) (2019-present)
- Member in The Community Service and Environmental Development Committee at Faculty of Pharmacy-Alexandria University (2021-present)
- Carbon Footprint Committee at Faculty of Pharmacy-Alexandria University (2021-present)

# PUBLICATIONS

- **Abuiessa SA**, Wedn AM, El-Gowilly SM, Helmy MM, El-Mas MM. Pre-eclamptic Fetal Programming Alters Neuroinflammatory and Cardiovascular Consequences of Endotoxemia in Sex-Specific Manners. *J Pharmacol Exp Ther.* 2020 May;373(2):325-336. doi: 10.1124/jpet.119.264192. Epub 2020 Feb 24. PMID: 32094295.
- **Abuiessa SA**, El-Gowilly SM, El-Gowell HM, Helmy MM, El-Mas MM. Short-lived sensitization of cardiovascular outcomes of postpartum endotoxemia in preeclamptic rats: Role of medullary solitary tract neuroinflammation. *Eur J Pharmacol.* 2021 Nov 5;910:174494. doi: 10.1016/j.ejphar.2021.174494. Epub 2021 Sep 8. PMID: 34508754.
- **Abuiessa SA**, El-Gowilly SM, El-Gowell HM, Helmy MM, El-Mas MM. Dysregulated ACE/Ang II and Ang1-7 Signalling Provokes Cardiovascular and Inflammatory Outcomes of Endotoxemia in Weaning Preeclamptic Rats. (Under final editing)

# ABSTRACTS

- **Abuiessa SA**, El-Gowilly SM, Helmy MM, El-Mas MM. Cardiovascular Programming by Preeclampsia Sensitizes Mother Rats to Hemodynamic and Cardiac Autonomic Depressant Effects of Postpartum Endotoxemia. *The FASEB Journal.* 2020 Apr;34(S1):1-1.
- **Abuiessa SA**, Wedn AM, El-Gowilly SM, Helmy MM and El-Mas MM (2020) Preeclamptic Fetal Programming Alters Neuroinflammatory and Cardiovascular Consequences of Endotoxemia in Sex Specific Manners. *The FASEB Journal* 34:1-1.
- **Abuiessa, S.**, Helmy, M., El-Gowilly, S. and El-Mas, M. (2021), Gestationally Administered RAS Modulators Reprogram Endotoxic Cardiovascular and Inflammatory Profiles in Adult Offspring of Preeclamptic Rats. *The FASEB Journal*, 35:. <https://doi.org/10.1096/fasebj.2021.35.S1.00376>
- **Abuiessa, S.**, Helmy, M., El-Gowilly, S. and El-Mas, M. (2021), Dysregulated ACE/Ang II And ACE2/Ang 1-7 Signalling Provokes Cardiovascular and Neuroinflammatory Outcomes of Endotoxemia in Weaning Preeclamptic Rats. *The FASEB Journal*, 35:. <https://doi.org/10.1096/fasebj.2021.35.S1.00370>
- Wedn, A., **Abuiessa, S.**, El-Gowilly, S. and El-Mas, M. (2021), Maternal and Fetal Defects of Gestational Angiotensin 1-7 Receptor Antagonism: A Possible Preclinical Model of Preeclampsia. *The FASEB Journal*, 35:. <https://doi.org/10.1096/fasebj.2021.35.S1.00369>
- **Abuiessa SA**, Helmy MM, El-Gowell HM, El-Gowilly SM, El-Mas MM. RAS Imbalances Account for Baroreflex Dysfunction and Neuroinflammation Induced by Postpartum Endotoxemia in Weaning Preeclamptic Rats. *Experimental Biology 2022, Philadelphia, April 2-5.*
- **Abuiessa SA**, Ayieng'a EO, Elblehi SS, El-Gowilly SM, Afify EA, El-Mas MM. Morphine Aggravates Inflammatory, Behavioral, and Hippocampal Structural Deficits in Septic Rats. *Experimental Biology 2022, Philadelphia, April 2-5.*
- **Abuiessa SA**, Ayieng'a EO, Elblehi SS, El-Gowilly SM, Afify EA, El-Mas MM. Upregulation of Hippocampal MAPK<sub>ERK</sub>/NFκB Signaling Accounts for the Opioid Receptor-dependent Incitement of Cognitive Impairment in Septic Rats. *Experimental Biology 2022, Philadelphia, April 2-5.*

## TEACHING & TRAINING EXPERIENCE

- Member of project "IT based International Diploma and professional certificate in clinical toxicology" (ITCT) (March 2016 - April 2019) EU funded Erasmus+ project (561915-EPP-1-2015-1-EG-EPPKA2-CBHE-JP): Member of project team assisting in developing courses, virtual labs and case studies for clinical toxicology diploma
- Teaching assistant for online clinical toxicology diploma, Faculty of pharmacy, Cairo University, August 2018.
- Tutor at "Workshop on selected pharmacological techniques", Faculty of pharmacy, Alexandria University, July 2018.
- Training on selected molecular techniques in university of Malta, April 2018 (as part of ITCT Erasmus + project).
- Member of project "Online Pharmacogenomics and Personalized Medicine postgraduate program" (OPPM) (December 2021 - December 2024) EU funded Erasmus+ project (617303-EPP-1-2020-1-EG-EPPKA2-CBHE-JP): Member of project team assisting in developing courses, virtual labs and case studies for clinical toxicology diploma

## CONFERENCES, COURSES AND PRACTICAL WORKSHOPS

- Online workshop on "e-Learning Fundamentals" 27-31 March 2022- ELCC-MCIT
- Workshop on "An effective In-Depth Research Engine for Scientific Information" December 2021-Faculty of Pharmacy-Alexandria University
- Virtual workshop on "What You Need to Know About IACUC" December 2021-ESBA-EAARA-Cairo University.
- Virtual workshop on "Technology Transfer and Commercialization in The Egyptian Universities-Opportunities and Challenges" December 2021-ESBA-EAARA-Cairo University.
- "Artificial Intelligence in Healthcare PHS 2021 Webinar" 27-28 November 2021- Faculty of Pharmacy-Alexandria University
- One workshop at the accredited center of "Faculty & Leadership Development Project, University of Alexandria, entitled "Research ethics and scientific plagiarism", in 2021.
- Four workshops at the accredited center of "Faculty & Leadership Development Project, University of Alexandria, entitled "Design systems and statistical analysis of scientific experiments", "Effective communication and presentation skills", "Use of global databases", and "Methods of scientific research" all in 2020.
- Representative of project "IT based International Diploma and professional certificate in clinical toxicology" (ITCT) at national Erasmus + day, Cairo, Egypt, October 2018.
- Workshop on IT and e-learning techniques, Ministry of communication, Cairo, July 2018.
- Five workshops at the accredited center of "Faculty & Leadership Development Project, University of Alexandria, entitled "Exams and students in the education systems", "Quality standards in the education process", "International publishing of Scientific research", "Competing for research funds", and "References research management systems", all in 2016

- One workshop at the accredited center of “Faculty & Leadership Development Project, University of Alexandria, entitled “Use of technology in teaching”, 2012.

## INTERESTS

Learning foreign languages

Charitable activities

## REFERENCES

References available upon request.