

Eman Fouad Mahmoud Sanad

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Education:

- Ph.D. of Pharmaceutical Sciences, Department of Biochemistry, Faculty of Pharmacy, Ain Shams University, Egypt (2014).
- Master degree in Pharmaceutical sciences, Department of Biochemistry, Faculty of Pharmacy, Ain Shams University, Egypt (2008).
- Bachelor degree in Pharmaceutical Sciences & Clinical Pharmacy, Ain Shams University, Egypt (May 2003).

Grade: Excellent with honor.

Position: 5th on top of my class.

Work Experience:

- Assistant Professor - Department of Biochemistry, Faculty of Pharmacy, Ain shams university- Cairo – Egypt (Feb 2015 - till current).
- Member of Pharmacy Education Development Unit – Faculty of Pharmacy -Ain Shams University (January 2020- till current).
- Secretary council – Department of Biochemistry – Faculty of Pharmacy – Ain Shams University – Cairo – Egypt (September 2019 – October 2020).
- Member of the Department of Biochemistry Council – Faculty of Pharmacy – Ain Shams University – Cairo – Egypt (September 2018- October 2020).
- Member of the examination control offices – Faculty of Pharmacy – Ain Shams University (2015- till current).
- Member of the postgraduate students' affairs board – Faculty of Pharmacy – Ain Shams University (2019 – till current).
- Member of Quality Assurance Unit - Faculty of Pharmacy – Ain Shams University (2019 – till current).
- Member of team of Faculty Excellence award 2020 (May 2020 – October 2020)
- Member of the cultural affairs board – Faculty of Pharmacy – Ain Shams University at the academic year 2015/2016.

- Assistant lecturer - Department of Biochemistry, Faculty of Pharmacy, Ain shams university- Cairo – Egypt (December 2008 – February 2015).
- Teaching assistant - Department of Biochemistry, Faculty of Pharmacy, Ain shams university- Cairo – Egypt (December 2003 – December 2008).
- Worked in a community pharmacy in Cairo for six months (August 2003 till January 2004).
- Trained in Pfizer Industrial Company at Quality control department (July 2001).
- Trained in Memphis Company during summer of 2000.

Scientific Production:

- “Anticancer Effects with Molecular Docking Confirmation of Newly Synthesized Isatin Sulfonamide Molecular Hybrid Derivatives against Hepatic Cancer Cell Lines”
Eldeeb M, **Sanad EF**, Ragab A, Ammar YA, Mahmoud K, Ali MM, Hamdy NM
Biomedicines (2022); 10(3), 722. <https://doi.org/10.3390/biomedicines10030722>
- "Competitive Endogenous Role of LINC00511/miR-185-3p axis and miR-301a-3p from Liquid Biopsy as Molecular Markers for Breast Cancer Diagnosis."
Mahmoud MM, **Sanad EF**, ElShimy, R AA, Hamdy NM
Frontiers in Oncology (2021); 11:749753. <https://doi.org/10.3389/fonc.2021.749753>.
PMID: 34745973; PMCID: PMC8567754.
- “Mixed Lineage Kinase Domain-Like Pseudokinase (MLKL) Gene Expression in Human Atherosclerosis with and without Type 2 Diabetes Mellitus”
Kamal AM, Sebak SA, **Eman EF**
Iranian Biomedical Journal (2021); 25(4):265-74
- “MicroRNAs’ role in the environment-related non-communicable diseases and link to multidrug resistance, regulation, or alteration”
Marwa M. Mahmoud, **Eman F. Sanad**, Nadia M. Hamdy
Environmental Science and Pollution Research (2021), <https://doi.org/10.1007/s11356-021-14550-w>.
- Upregulation of Receptor-interacting Protein Kinase 3 (RIPK3) Gene in Coronary Atherosclerotic Patients: Crosstalk with Inflammation, Cell Adhesion and Disease Severity:”
Sanad EF
Arab J of Lab Med (2020), 45(2): 183- 199
- “Peripheral leucocytes and tissue gene expression of granzyme B/perforin system and serpinB9: Impact on inflammation and insulin resistance in coronary atherosclerosis”
Sanad EF, Hamdy NM, El-EtribyAK, Sebak SA, El-Mesallamy HO
Diabetes research and clinical practice (2017); 131: 132-141.

- “Impact of granzyme B gene expression on inflammation and insulin resistance in atherosclerosis”
El-Mesallamy HO, Hamdy NM, Ibrahim YA, Al-Etriby AK and **Sanad EF**
Al-Azhar Journal of Pharmaceutical Sciences (2014); 49 (1): 155-167.
- “hsCRP, sICAM-1 and TAFI in Hemodialysis Patients: Linking Inflammation and Hypofibrinolysis to Cardiovascular Events”.
Gad MZ, El-Mesallamy HO and **Sanad EF**
Kidney Blood Press Res (2008); 31:391–397.

Scientific Conferences and Workshops:

- Attended the **14th Breast-Gynecological & Immunology International Cancer Conference (BGICC)** – January 20-21st, 2022 - Cairo, Egypt.
- Completed the **Advanced Teaching Excellence in Pharmacy Education Training Program** - International services at ACPE and Knowledge E – June 2021 -January 2022
- Attended the **Flow Cytometry Workshop** for the international project “**Immune Modulation Certificate for Postgraduate Students Enabled by Blended Learning**” – Funded by the European Commission (No 619017-EPP-1-2020-1-EG-EPPKA2-CBHE-JP) – December 18-23rd, 2021 – Cairo University, Cairo, Egypt.
- Participated in **International Antalya Congress** - oral presentation entitled “Biochemical activity and docking of new isatin sulfonamide derivative(s) as potential anticancer agent(s)” – December 18-21st 2021, Side, Antalya, Turkey.
- Participated as supervisor in the **Drug Design Program Graduation Project** – Faculty of Pharmacy – Ain Shams University in July 2021 and awarded **Top Presentation Award**.
- Attended webinars entitled “Systematic reviews and Meta-analyses” - “Being an effective reviewer” – “Effective pre-submission Strategies” delivered by **Nature researcher academy** and **EKB** in February 2021.
- Attended the **9th Annual Ain Shams University International Conference**- April 6-8th, 2021.
- Participated in **Beyond Sciences Initiative 6th International Remote Conference** as co-author of an abstract entitled ““LncRNA LINC00511 in newly diagnosed Egyptian female patients liquid biopsy; a tale of promising diagnostic molecular biomarker” – February 20-27th 2021, Toronto. The abstract awarded the **Top Presentation Award**.
- Attended **CardioEgypt 2021 Conference**, February 15-18th, 2021- Intercontinental Citystars Hotel, Cairo, Egypt.
- Attended webinars entitled “Effective academic writing” - “Effective pre-submission Strategies” - “Clinical research methodology” delivered by Nature researcher academy and EKB in January 2021.
- Attended the **13th Breast-Gynecological & Immunology International Cancer Conference (BGICC)** – January 21-22nd, 2021- Hilton Heliopolis Hotel- Cairo, Egypt.
- Attended webinar entitled “**Strategies for writing successful grant application**” delivered by Elsevier researcher academy on 29th September 2020.
- Attended webinar entitled “**Using research metrics and indicators effectively in grant proposals**” delivered by Elsevier researcher academy on 24th September 2020.
- Completed the **2020 Teaching Excellence in Pharmacy Education Training Program** - International services at ACPE and Knowledge E – April -November 2020.

- Completed the **H3ABioNet Introduction to Bioinformatics Course (IBT)** – April - September 2020 - Pan Africa Bioinformatics Network -Virtual.
- Attended a hands-on workshop on “**COMET assay, Apoptosis Techniques**” at Veterinary hospital of the Armed Forces and Arab Society of Stem Cells and Molecular Biology (February 2020).
- Attended the 12th Breast-Gynecological & Immunology International Cancer Conference (BGICC) – Jan 9 -10th, 2020- Hilton Heliopolis Hotel
- Attended the 16th Annual conference of “Diabetes: Gut and Liver – 25-26th September 2019.
- Attended a workshop entitled “**Systematic Review and Meta-Analysis**” – TRUST Research Center – Cairo – Egypt (July, 2019).
- Attended a hands-on workshop on “**Tissue Culture Techniques**” at Veterinary hospital of the Armed Forces and Arab Society of Stem Cells and Molecular Biology (February 2019).
- Attended the 11th Breast-Gynecological & Immunology International Cancer Conference (BGICC) – January 17-18, 2019- Hilton Heliopolis Hotel.
- Attended the 3rd Egyptian Bioinformatics Workshop held at Nile University on 23rd December 2018.
- Attended the 2nd International Conference of Faculty of Pharmacy Ain Shams University (2nd ICPASU) - November 13-15, 2018, Novotel Cairo Airport Hotel, Cairo, Egypt.
- Attended the 15th Annual conference of “Diabetes: Gut and Liver – September 2018.
- Accepted abstract for poster presentation (out of more than 2000 abstracts) in the **BioVision Alexandria 2018 International Conference** that will be held on Bibliotheca Alexandria Conference Center, Egypt, held on April 22nd -24th, 2018. The title of the poster: “Cytotoxic T lymphocytes mediators and serpinB9 in coronary atherosclerosis”.
- Accepted abstract for poster presentation at **FEBS-EMBO 2014** under the title of “Granzyme B/perforin system and serpinB9: impact on inflammation and insulin resistance in coronary atherosclerosis”
- Attended **BioVision Alexandria 2012 International Conference** – Bibliotheca Alexandria Conference Center, Egypt – April 2012.
- Attended intensive courses for lecturer training and development of skills and obtained certificates from FLDC (Faculty Leadership and Development Center) at Ain Shams University:
 - ✓ Application of credit hours systems in universities.
 - ✓ The use of technology in teaching.
 - ✓ Competitive research projects skills.
 - ✓ Ethics of scientific research.
 - ✓ Effective presentation skills.
 - ✓ Quality standards in the teaching process
 - ✓ Financial and regulatory aspects
 - ✓ Managing time and meetings
 - ✓ Ethics and attitude of the profession
 - ✓ Writing scientific papers and international publication
 - ✓ SPSS

Masters and Ph.D. students' supervision:

1- Studying the Association of Genetic Variations in Long Intergenic Noncoding RNA 00511 (LINC00511) with Breast Cancer Among the Egyptian Population (Master thesis, Department of Biochemistry, Ain Shams University, Cairo, Egypt) – 14th November 2020.

2- Possible Nephroprotective Effects of Sitagliptin and Oleuropein in Cisplatin-Induced Acute Renal Failure (Master thesis, Department of Biochemistry, Ain Shams University, Cairo, Egypt) – 14th November 2019.

3- The Diagnostic Utility of Tumor Suppressor or Oncogenic Small Biomarkers in Association with LncRNA in Breast Cancer (Master thesis, Department of Biochemistry, Ain Shams University, Cairo, Egypt)- October 2019.

4- Potential anti-cancer activity of some novel isatin sulfonamide derivatives using Hep G2 cancer cells (Master thesis, Department of Biochemistry, Ain Shams University, Cairo, Egypt)- 8th October 2019.

5- Studying the role of Golgi Phosphoprotein 3, Golgi Membrane Protein 1 and Beclin1 in Ovarian Cancer Patients (Master thesis, Department of Biochemistry, Ain Shams University, Cairo, Egypt) – April 2019.

Projects

- Supervisor in funded graduation project from Academy of Scientific Research and Technology (Egypt) – My project, My Start Module (2021-2022) entitled “**Implication of Genetic Variations in Long Intergenic Non-coding RNA 00511 (LINC00511) in colorectal cancer**”
- Main Researcher in a funded project from the Environmental and Serving Society sector - Ain Shams University (2020-2021) entitled “**Repurposing of some bioactive natural products to control COVID-19 infection: a molecular docking study**”.

Teaching Activities:

- Participating in teaching and development of undergraduates and postgraduate courses in Faculty of pharmacy, Ain shams University including:
 - Biochemistry I
 - Biochemistry II
 - Clinical biochemistry
 - Molecular biology
 - Genetics and epigenetics
 - Gene regulation and gene therapy
 - Cell biology
- An educator member in **Immune Modulation Certificate (IMCert)** for Postgraduate Students Co-funded by the **Erasmus** and Program of the **European Union**.

Personal Data:

Date of Birth: February 16th, 1981

Nationality: Egyptian

Marital Status: Married

General interests: sports, travelling and music

Computer Skills:

- Mastering scientific software including Endnote, Mendely and SPSS.

References and copies of all certificates are available upon request