



# ESRAA M. MOSALAM

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## CURRENT POSITION

- Assistant Professor of Biochemistry, Department of Pharm D, Faculty of Pharmacy, Jadara University, Irbid, Jordan (March 2024- present).



## PREVIOUS POSITIONS

- Lecturer of Biochemistry, Department of Biochemistry, Faculty of Pharmacy, Menoufia University, Egypt (October 2020- March 2024).
- Vice director of Quality Assurance Unit (QAU) of Faculty of Pharmacy, Menoufia University (July 2021 – March 2024).
- Assistant Lecturer of Biochemistry, Department of Biochemistry, Faculty of Pharmacy, Menoufia University, Egypt (July 2018- October 2020).
- Instructor of Biochemistry, Department of Biochemistry, Faculty of Pharmacy, Menoufia University, Egypt (October 2016-July 2018).
- Instructor of Biochemistry, Department of Biochemistry, Faculty of Pharmacy, Tanta University (September 2013- October 2016).



## CURRENT WORK ADDRESSES

Faculty of Pharmacy, Jadara University, Irbid, Jordan.



## BIRTHDAY

30 JULY 1990



## EDUCATION

### PhD in Pharmaceutical Sciences (Biochemistry)

2018-2020

Faculty of Pharmacy, Suez Canal University, Egypt

**PhD thesis entitled** “Enhancing the Chemotherapeutic Effect of Cisplatin with Thymoquinone via Modulation of Canonical and Non-Canonical Notch Signaling Pathway”

### M.Sc. in Pharmaceutical Sciences (Biochemistry)

2015-2018

Faculty of Pharmacy, Tanta University

**Master thesis entitled** “Study of the cytotoxicity of doxorubicin and thymoquinone- loaded nanoparticles in experimentally-induced breast cancer in mice”

## Pre-Master courses in Biochemistry

2013 –2014

Faculty of Pharmacy, Tanta University

**B.Sc., Pharmaceutical Science | general grade Excellent (Honor, 8<sup>th</sup> over about 1200 students)**

2008 –2013

Faculty of Pharmacy, Tanta University



## GRANTS/ PROJECTS

Principal Investigator (PI) of a previous two-years project entitled “Potential Protective Effect of Verapamil-Loaded Quantum Dots against Lipopolysaccharides-Induced Learning and Memory Impairment; *In-vitro* and *In-vivo* Alzheimer Like Models” funded by The Science, Technology & Innovation Funding Authority (STDF) by 2,500,000 EGP under grant number 45960, Call 1, Applied Sciences Research Grants, Applied Sciences Research Program (15/5/2022 – 15/5/2024).



## PUBLICATIONS

Samman WA, Mosalam EM, Saif DS, Abdallah MS, Zidan A-AA, Sallam AS, et al. **Deciphering the role of Wnt/ $\beta$ -catenin and miR-214 in knee osteoarthritis: molecular and clinical insights.** *Frontiers in Pharmacology*. 2025;16 (Q1, IF = 4.4).

Alqahtani, J.; Mosalam, E.M.; Abo Mansour, H.E.; Elberri, A.I.; Ibrahim, H.A.; Mahgoub, S.; Hussein, I.A.; Hawwal, M.F.; Al Hmoudi, M.; Moglad, E.; et al. **Anticancer Effect of Cycas media: Molecular Basis Through Modulation of PI3K/AKT/mTOR Signaling Pathway.** *Molecules* 2024 (Q2, IF= 4.2).

Mosalam EM, Elberri AI, Abdallah MS, Abdel-Bar HM, Zidan A-AA, Batakoushy HA, Abo Mansour HE. **Mechanistic Insights of Neuroprotective Efficacy of Verapamil-Loaded Carbon Quantum Dots against LPS-Induced Neurotoxicity in Rats.** *International Journal of Molecular Sciences*. 2024 (Q1, IF= 4.9).

Mosalam, E. M.; Abdel-Bar, H. M.; Elberri, A. I.; Abdallah, M. S.; Zidan, A.-A. A.; Batakoushy, H. A.; Abo Mansour, H. E., **Enhanced neuroprotective effect of verapamil-loaded hyaluronic acid modified carbon quantum dots in an in-vitro model of amyloid-induced Alzheimer's disease.** *International Journal of Biological Macromolecules*. 2024 (Q1, IF= 7.7).

Negm WA, Elekhawy E, Mahgoub S, Ibrahim HA, Ibrahim Elberri A, Abo Mansour HE, Mosalam EM, Moglad E, Alzahraa Mokhtar F. **Dioon rzedowskii: An antioxidant, antibacterial and anticancer plant extract with multi-faceted effects on cell growth and molecular signaling.** *International Immunopharmacology*. 2024 (Q1, IF= 4.8).

Abo Mansour, H.E.; Elberri, A.I.; Ghoneim, M.E.-S.; Samman, W.A.; Alhaddad, A.A.; Abdallah, M.S.; El-Berri, E.I.; Salem, M.A.; Mosalam, E.M. **The Potential Neuroprotective Effect of Thymoquinone on Scopolamine-Induced In Vivo Alzheimer's Disease-like Condition: Mechanistic Insights.** *Molecules*. 2023 (Q2, IF= 4.2).

Salem, M. A., Mohamed, O. G., Mosalam, E. M., Elberri, A. I., Abdel-Bar, H. M., Hassan, M., . . . Abo Mansour, H. E. (2023). **Investigation of the phytochemical composition,**

antioxidant, antibacterial, anti-osteoarthritis, and wound healing activities of selected vegetable waste. Scientific Reports. 2023. (Q1, IF= 3.8).

El-Khateeb, E., El-Berri, E. I., *Mosalam, E. M.*, Nooh, M. Z., Abdelsattar, S., Alghamdi, A. M., . . . Abdallah, M. S. Evaluating the safety and efficacy of the leukotriene receptor antagonist montelukast as adjuvant therapy in obese patients with type 2 diabetes mellitus: A double-blind, randomized, placebo-controlled trial. Frontiers in Pharmacology. 2023. (Q1, IF= 4.4).

Salem, M. A., Mansour, H. E. A., *Mosalam, E. M.*, El-Shiekh, R. A., Ezzat, S. M., & Zayed, A. . Valorization of by-products Derived from Onions and Potato: Extraction Optimization, Metabolic Profile, Outstanding Bioactivities, and Industrial Applications. *Waste and Biomass Valorization*, 2023. (Q3, IF= 2.6).

*Mosalam, E.M.*, Elberri, A.I., Sallam, A.S. et al. Chronotherapeutic neuroprotective effect of verapamil against lipopolysaccharide-induced neuroinflammation in mice through modulation of calcium-dependent genes. Molecular Medicine, 2022. (Q1, IF= 6).

Eltamany EE, *Mosalam EM*, Mehanna ET, Awad BM, Mosaad SM, Abdel-Kader MS, Ibrahim AK, Badr JM, Goda MS. Potential Gonado-Protective Effect of Cichorium endivia and Its Major Phenolic Acids against Methotrexate-Induced Testicular Injury in Mice. Biomedicines, 2022. (Q2, IF= 3.9).

Gad D, Abo Mansour HE, Saad-Allah KM, Abdallah MS, Ibrahim Elberri A, *Mosalam EM*. Biostimulants improve the hepatoprotection of Ammi visnaga seed yield extract against carbon tetrachloride induced acute hepatitis in mice through modulation of MAPK. Saudi Journal of Biological Sciences, 2022. (Q1, IF= 4.4).

*Mosalam, E.M.*, Zidan AA, Mehanna ET, Mesbah NM, Abo-Elmatty DM. A:Role of Notch Signaling Pathway in Breast Cancer and Chemo-resistance. Records of Pharmaceutical and Biomedical Sciences, 2020.

*Mosalam EM*, Zidan AA, Mehanna ET, Mesbah NM, Abo-Elmatty DM. Thymoquinone and pentoxifylline enhance the chemotherapeutic effect of cisplatin by targeting Notch signaling pathway in mice. Life Sciences, 2020 (Q1, IF= 5.2).

Zidan AA, El-Ashmawy NE, Khedr EG, Salem ML, Ebeid EM, *Mosalam EM*. Loading of doxorubicin and thymoquinone with F2 gel nanofibers improves the antitumor activity and ameliorates doxorubicin-associated nephrotoxicity. Life Sciences, 2018 (Q1, IF= 5.2).

El-Ashmawy NE, Khedr EG, Ebeid EM, Salem ML, Zidan AA, *Mosalam EM*. Enhanced anticancer effect and reduced toxicity of doxorubicin in combination with thymoquinone released from poly-N-acetyl glucosamine nanomatrix in mice bearing solid Ehrlich carcinoma. European Journal of Pharmaceutical Sciences, 2017 (Q1, IF= 4.3).



## SCIENTIFIC LINKS

### ORCID

<https://orcid.org/0000-0003-4630-4125>



### Web of Science

<https://www.webofscience.com/wos/author/record/ADB-4593-2022>





## EXPERIENCE

### Teaching Experience | Lectures

- Biochemistry
- Clinical Biochemistry
- Cell Biology
- Biotechnology
- Medical Terminology

### Teaching Experience | Talks for Post-graduate students at Faculty of Pharmacy, Tanta University, Egypt

- Planning and Marketing of Medicine
- Bioequivalence Study
- Advanced Clinical Biochemistry
- Forensic Chemistry and Bioanalysis
- Physiology and Hematology
- Special Seminar under the title of (Food Additive)

### Teaching Experience | Tutorials

- **Biochemistry** for undergraduate students (second level) at Faculty of Pharmacy, Tanta and Menoufia University.
- **Clinical Biochemistry** for undergraduate students (third level) at Faculty of Pharmacy, Tanta University.
- **Biophysics** for undergraduate students (first level) at Faculty of Pharmacy, Tanta University.
- **Biology** for undergraduate students (first level) at Faculty of Pharmacy, Menoufia University.

### Teaching Experience | Laboratory

- **Biology** for undergraduate students (first level) at Faculty of Pharmacy, Menoufia University.
- **Clinical Biochemistry** for undergraduate students (third level) at Faculty of Pharmacy, Tanta University.
- **Biochemistry** for undergraduate students (third level) at Faculty of Pharmacy, Tanta University.
- **Biophysics** for undergraduate students (first level) at Faculty of Pharmacy, Tanta University.
- **Organic Chemistry** for undergraduate students (first level) at Faculty of Pharmacy, Menoufia University.

- **Pharmacognosy** for undergraduate students (first level) at Faculty of Pharmacy, Menoufia University.



## RESEARCH SKILLS

- Spectrophotometer techniques.
- Manual and automated RNA and DNA extraction.
- qRT-PCR.
- Cell culture techniques.
- ELISA techniques.
- Cytotoxicity assays.
- Handling of laboratory animals.
- In vitro biochemical assays.
- Interpretation of the results of flow cytometric analyses.
- Fluorescence microscopical analysis.



## COMPUTER SKILLS

- Experienced user of Adobe Illustrator.
- Experienced user of Displayr.
- Experienced user of Graphpad Prism.
- Experienced user of Image J.
- Experienced user of Cytoscape.
- Experienced user of Primer 3 plus.
- Experienced user of Primer Blast.
- Experienced user of SPSS.
- Experienced user of EndNote.
- Experienced user of Microsoft Office.



## TRAINING COURSES

- **International scientific publishing** at International Faculty and Leadership Development Center, Suez Canal University, Ismailia, Egypt, 2025.
- **Academic guidance** at International Faculty and Leadership Development Center, Suez Canal University, Ismailia, Egypt, 2025.
- **Creative thinking for leaders** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2024.
- **Negotiation Skills** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2024.
- **Fundamental Digital Transformation courses** at training, information, and communication technology center, Suez Canal University, Ismailia, Egypt, 2020.
- **Use of global databases** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2020.
- **Examinations and student assessment** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2020.

- **Ethics of scientific research** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2020.
- **Skills of using mind maps** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2020.
- **People management** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2020.
- **Thinking skills** at International Faculty and Leadership Development Center, Menoufia University, Menoufia, Egypt, 2019.
- **Understanding IELTS** at FUTUTURE LEARN (online course), 2017.
- **Use of Technology** in Teaching at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2016.
- **Credit Hour System** at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2016.
- **Quality Standards** in Teaching at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2016.
- **Strategic Planning** at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2016.
- **Conference Organization** at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2016.
- **How to Compete for a Research Fund** at the International Center for Faculty and Leadership Development, Tanta University, Tanta, Egypt, 2015.
- **ColWri2.2x: English Grammar and Essay Writing** (online learning of University of California, Berkeley through edX with HONOR CODE CERTIFICATE, 2015.
- **Computer science** at the Central Library, Tanta University, Tanta, Egypt, 2014.
- **Ethics of scientific research and writing** at Faculty of Pharmacy, Tanta University, Tanta, Egypt, 2014.
- **Human resources development** (Power of Thinking) at Charles Hamilton Academy, Cairo, Egypt, 2014.
- **Industrial Pharmacy Practice** at Sigma for Pharmaceutical Industries, Qwesna, Egypt, 2012.
- **Community pharmacy practice**, Menoufia, Egypt, 2012.



## SEMINARS

- **Technical seminar: Clinical Application of MALDI-TOF in Proteomics & Tissue Imaging** at Centre of Excellence in Cancer Research (CECR), Tanta University Educational Hospital, Tanta, Egypt, 2015.
- **Stem cells: Gate for internationalization** at faculty of Medicine, Tanta University Tanta, Egypt, 2014.



## CONFERENCES

- **November 2024: The First Medical day** of Faculty of Pharmacy, Jadara University, Irbid, Jordan.
- **August 2023: Special invitation to “Conference of Excellence in Scientific Research: The Future of Knowledge Production in Egypt”** with Minister of Higher

Education and Scientific Research collaboratively with Fulbright Egypt, St. Regis Almasa Hotel, New Administrative Capital, Cairo, Egypt.

- May 2023: 2<sup>nd</sup> International Conference of Pharmaceutical and Therapeutical Science PTS 2023, Faculty of Pharmacy, Menoufia University, Egypt.
- January 2023: 15<sup>th</sup> Breast - Gynecological & Immunology International Cancer Conference "Creation & Innovation".
- November 2022: Annual Congress of NCI Cairo University "Bridging Gap in Oncology".
- October 2022: The 14<sup>th</sup> Annual Conference of National Hepatology & Tropical Medicine Research Institute.
- September 2022: 2<sup>nd</sup> Al-Azhar Clinical & Surgical Oncology International Conference "Reshaping the Future".
- July 2022: The 4<sup>th</sup> International Hemato-Oncology Consensus "Leading the History, Reshaping the Future".
- January 2022: 14<sup>th</sup> Breast - Gynecological & Immunology International Cancer Conference "Challenging the impossible".
- September 2021: Virtual attendance for the 1<sup>st</sup> Regional Forum for Open Science in the Arab States.
- April 2021: The Fourth International Alexandria Hematology Conference (Hemo-Alex 2021).
- March 2021: 13<sup>th</sup> Annual Conference Alexandria Society for Cancer Patients Care.
- January 2021: 13<sup>th</sup> Breast - Gynecological & Immunology International Cancer Conference.
- December 2019: The second conference of Faculty of Pharmacy, Suez Canal University (Medicines used in internal medicine), Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.
- August 2018: The first international pharmaceutical sciences conference (Drug Development: from benchside to bedside), Faculty of Pharmacy, Menoufia University, Menoufia, Egypt.
- July 2014: 9<sup>th</sup> Conference for Liver and Digestive Tract Diseases, Faculty of Medicine, Tanta University, Tanta, Egypt.
- March 2014: 29<sup>th</sup> Annual Congress First International (Multidisciplinary Medicine Era), faculty of Medicine, Tanta University, Tanta, Egypt.



## WORKSHOPS

- Nutritional Therapy & Clinical Nutrition, The 2<sup>nd</sup> International Conference of Pharmaceutical and Therapeutical Science PTS 2023, Faculty of Pharmacy, Menoufia University, 10 May 2023
- Webinar "Drug Design & Discovery Software", The 2<sup>nd</sup> International Conference of Pharmaceutical and Therapeutical Science PTS 2023, Faculty of Pharmacy, Menoufia University, 9 May 2023.
- Webinar "Biobanking & Clinical Pharmacogenomics PGx", The 2<sup>nd</sup> International Conference of Pharmaceutical and Therapeutical Science PTS 2023, Faculty of Pharmacy, Menoufia University, 8 May 2023.
- Webinar "Biobanking as a Platform for Biomedical Research", April 2023.



- **Analysis of RNA-Seq data**, 11<sup>th</sup> international GastroIntestinal, Liver and Uro-Oncology Conference, Faculty of Medicine, Ain Shams Research Institute, July 2022
- **Online Bioinformatics tools for bulk NGS and single-cell tumor data**, 11<sup>th</sup> international GastroIntestinal, Liver and Uro-Oncology Conference, Faculty of Medicine, Ain Shams Research Institute, July 2022.
- **Online web-shop 2021: The Book Publishing Process**, Elsevier Publishing Campus.
- **Online web-shop 2017: 5 diseases ailing the research**, Elsevier Publishing Campus.
- **2016: PCR and its application in Biomedical science fields**, Faculty of Pharmacy, Tanta University, Tanta, Egypt.
- **2015: Nanostructure Materials & Applications**, Medical Technology Centre for Research and Services, Medical Research Institute, Alexandria University, Alexandria, Egypt.
- **2014: Google Scholar**, Faculty of Pharmacy, Tanta University Tanta, Egypt.
- **2014: Technical and Practical Applications of Molecular Biology and Radioisotopes**, the Medical Field at Middle Eastern Regional Radioisotopes Centre for the Arabs Countries (MERRCAC), Cairo, Egypt.



## REVIEWING

1. "The PD1 molecule may contribute to lower treatment-free remission rates in patients with chronic myeloid leukemia with the e13a2 transcript" for **Journal of Clinical Medicine**.
2. "YTHDF proteins differentially regulate a subset of m6A-modified transcript to restrain endothelial inflammation during homeostasis" for **International Journal of Biological Macromolecules**.
3. "Lycium barbarum polysaccharide alleviate cadmium-induced mitochondrial dysfunction mediated pyroptosis in duck liver" for **International Journal of Biological Macromolecules**.
4. "Illuminating Future Therapies: Photodynamic Therapy Empowering Anti-tumor Efficacy of Mitochondrial DNA G-quadruplexes Fluorescent Ligand" for **International Journal of Biological Macromolecules**.
5. "Ryboflavin transporter deficiency as a cause of progressive encephalopathy-first Polish patients" for **Metabolites**.
6. "Impact of adequate techniques of sterility for ultrasound-guided injections: a scoping review" for **Diagnostics**.
7. Cholinesterase Inhibitors from Plants and Their Potential in Alzheimer's Treatment: Systematic Review" for **Brain Sciences**.
8. "Endothelial cells-related genes EIF1 and HSPA1B contribute to the pathogenesis of Alzheimer's disease by modulating peripheral immunoinflammatory responses" for **Brain Sciences**.
9. "Prognostic Significance of the Combined "Albumin-To-Alkaline Phosphatase Ratio (AAPR)" and "Haemoglobin-Albumin-Lymphocyte-Platelet (HALP) Score" in Patients with Metastatic Renal Cell Carcinoma Treated by Targeted Therapy: A New Prognostic Combined Risk" for **Journal of Clinical Medicine**.
10. "Anti-inflammatory and antioxidant potential of Ginkgo biloba for neurological disorders" for **Brain Sciences**.



11. "Construction of A Dataset for All Expressed Transcripts for Alzheimer's Disease Research" for **Brain Sciences**.
12. "Chromosomal Discrepancy in Direct and Long-Term Culture from Chorionic Villus Sampling: A Case of 18p Deletion" for **Medicina**.
13. "Effects of Xylitol on Tumor Progression in Syngeneic Mice Cancer Models" for **Nutraceuticals**.
14. "Comprehensive transcriptome analysis expands lncRNA functional profiles in breast cancer" for **International Journal of Molecular Science**.
15. "Imatinib-N-oxide through Chemical Modification of Imatinib and Investigation of In-vitro Potential Toxic Metabolite Formation" for **Metabolites**.
16. "Integrative medicine focusing on ultrasound-guided high-dose Shinbaro 2 pharmacopuncture for acute herniated intervertebral discs: a case report" for **Healthcare**.
17. "Thermostable  $\alpha$ -amylases and laccases: Paving the way for sustainable industrial applications" for **Processes**.
18. "Pickering Emulsion of Oleoresin from *Dipterocarpus alatus* Roxb. ex G. Don and Its Antiproliferation in Colon (HCT116) and Liver (HepG2) Cancer Cells" for **Molecules**.
19. "Evolution of Caspases and the invention of Pyroptosis" for **International Journal of Molecular Science**.
20. "GbTRB1 act as both single stranded and double stranded telomere binding protein and negative regulate telomerase activity in *Ginkgo biloba*" for **International Journal of Molecular Science**.
21. "LINC00662 promotes aggressive traits by modulating OCT4 expression through miR-335-5p in gallbladder cancer cells" for **International Journal of Molecular Science**.
22. "Computer-Aided Design of Lead Flavonoid Compounds Targeting VP35 for Marburg Virus Treatment" for **Bioinformatics**.
23. "Orexins/hypocretins: gatekeepers of social interaction and motivation" for **International Journal of Molecular Science**.
24. "The Influence of Individual and Environmental Characteristics on the Concentration of Proangiogenic Cytokines in Human Brain Glioma and Characteristics of their Concentrations in Acute Lymphoblastic Leukemia" for **International Journal of Molecular Science**.
25. "Depleted-MLH1 expression predicts prognosis and immunotherapeutic efficacy in uterine corpus endometrial cancer: an in silico approach" for **Bioinformatics**.
26. "The role of miRNAs in childhood acute lymphoblastic leukemia relapse and the associated molecular mechanisms" for **International Journal of Molecular Science**.
27. "SPTBN1 mediates the cytoplasmic constraint of PTTG1 impairing its oncogenic activity in human seminoma" for **International Journal of Molecular Science**.
28. "BioLake : A RNA expression analysis framework powered by data lakehouse" for **International Journal of Molecular Science**.

29. "Inhalable Chitosan-Coated Nano-Assemblies Potentiate Niclosamide for Targeted Abrogation of Non-Small-Cell Lung Cancer through Dual Modulation of Autophagy and Apoptosis" for **International Journal of Biological Macromolecules**.
30. "Colon cancer inhibitory properties of Caulerpa Lentillifera polysaccharide and its molecular mechanisms based on three-dimensional cell culture model" for **International Journal of Biological Macromolecules**.
31. "Gelatin/Carboxymethylcellulose incorporated CNTs nanocarrier synthesis targeted delivery of Curcumin" for **International Journal of Biological Macromolecules**.
32. "Role of exogenous melatonin in reducing the cardiotoxic effect of 5-Fluorouracil in the rat" for **Scientific Reports**.
33. "ASAP1 Expression in Invasive Breast Cancer and its Prognostic Role" for **International Journal of Molecular Science**.
34. "Updated Biomarkers for TNBC in African vs. Caucasian American Women" for **Medicina**.
35. "A novel FLCN variant in a suspected Birt Hogg Dubè Syndrome patient" for **International Journal of Molecular Science**.
36. "The crosstalk between RNAs, druggable polyphenols and significant signaling pathways using network analysis to mine novel breast cancer therapeutic strategies" for **Molecules**.
37. "Molecular characterization of patients with cryptorchidism: preliminary search for an expression profile related to testicular germ cell tumor" for **International Journal of Molecular Science**.
38. "Involvement of the orexinergic system in cancer: antitumor strategies and future perspectives" for **Applied Sciences-MDPI**.
39. "Evaluation and comparison of dermo-cosmetic activities of three oak species by targeting anti-oxidant metabolites and skin enzyme inhibitors" for **Metabolites-MDPI**.
40. "Exploring the mechanism of Jianpi Huatan Recipe in protecting Hepatocellular carcinoma based on network pharmacology" for **Journal of Ethnopharmacology**.
41. "Arctigenin improves neuropathy via ameliorating apoptosis and modulating autophagy in streptozotocin-induced diabetic mice" for **CNS Neuroscience & Therapeutics**.
42. "Vagus nerve stimulation exerts cardioprotection against doxorubicin-induced cardiotoxicity through inhibition of programmed cell death pathways" for **Cellular and Molecular Life Sciences**.
43. "Human Lung Cancer Targeted Cytotoxicity, Mitochondrial Membrane Potential and Nuclear Condensation effects by Nepeta Paulsenii, A Perennial Herb" for **Saudi Journal of Biological Sciences**.
44. "Aspirin sensitivity of PIK3CA-mutated Colorectal Cancer: potential mechanisms revisited" for **Cellular and Molecular Life Sciences**.
45. "In vitro inhibition of cancer angiogenesis and migration by a nanobody that targets the orphan receptor Tie1" for **Cellular and Molecular Life Sciences**.
46. "Immunological link in type 2 Diabetes through Electro Photonic Imaging" of reference number" for **International Journal of Metabolic Syndromes**.

47. "Reversal of doxorubicin-induced cardiotoxicity by phytotherapy: A review" for **Pharmacopuncture**.
48. "Immunomodulatory and anti-inflammatory effects of thymoquinone" for **Cardiovascular & Hematological Disorders-Drug Targets**.
49. "Pharmacological study and overcome the Cardiotoxicity associated with anticancer drug Doxorubicin: A review" for **Primary Health care and General practice**.
50. "A case report of 99mTc-labelled glucosamine [99mTc-ECDG] in the evaluation of myositis" for **Jacobs Journal of Clinical Case Reports**.
51. "Evaluation of the Novel herbal formulation for its cardioprotective action against streptozotocin induced Diabetes in Rats" for **OMICS Publishing Group Chemistry Journals**.
52. "Ameliorative potential of Euphorbia hirta (Linn.) extract against lipopolysaccharide induced-neuroinflammation and oxidative damage in rats" for **OMICS Publishing Group Chemistry Journals**.
53. "Comparative study of adjuvant chemotherapeutic efficacy of docetaxel plus cyclophosphamide and doxorubicin plus cyclophosphamide in female breast cancer" for **Cancer Management and Research**.



## EDITORIAN BOARD MEMBERSHIP

- EBM at International Journal of Drug Research and Technology.



## MEMBERSHIP AND ORGANIZATIONAL ACTIVITIES

- Member in The Egyptian Pharmacists Syndicate.
- Member in Egyptian Association for Cancer Research (EACR).
- Previous Active member in Quality Assurance Unit (QAU) of Faculty of Pharmacy, Tanta University (2013 – 2016).



## REFERENCES

**Prof. Amal Eissa Safaan** | Professor of Microbiology and Immunology, Former Dean of Faculty of Pharmacy, Menoufia University, Egypt.

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**Prof. Noha Mustafa Mesbah** | Professor of Biochemistry and Head of Biochemistry Department, Faculty of Pharmacy, Suez Canal University, Egypt.

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**Dr. Eman Taha Mehanna** | Associate Professor of Biochemistry, Faculty of Pharmacy, Suez Canal University, Egypt.

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