

### The researches published in international journals

1. Metabolomics and Lipidomics Screening Reveal Reprogrammed Signaling Pathways toward Cancer Development in Non-Alcoholic Steatohepatitis. Ahmed, E. A., El-Derany, M. O., Anwar, A. M., Saied, E. M., & Magdeldin, S. (Dec2022). International Journal of Molecular Sciences, 24(1), 210.
2. Design and evaluation of chrysin-loaded nanoemulsion against lithium/pilocarpine-induced status epilepticus in rats; emphasis on formulation, neuronal excitotoxicity, oxidative stress, microglia polarization, and AMPK/SIRT-1/PGC-1 $\alpha$  pathway. George MY, El-Derany MO, Ahmed Y, Zaher M, Ibrahim C, Waleed H, Khaled H, Khaled G, Saleh A, Alshafei H, Alshafei R, Ahmed N, Ezz S, Ashraf N, Ibrahim SS.(Dec2022). Expert Opin Drug Deliv.;20(1):159-174.
3. Microenvironmental ammonia enhances T cell exhaustion in colorectal cancer. Bell HN, Huber AK, Singhal R, Korimerla N, Rebernick RJ, Kumar R, El-Derany MO, Sajjakulnukit P, Das NK, Kerk SA, Solanki S, James JG, Kim D, Zhang L, Chen B, Mehra R, Frankel TL, Győrffy B, Fearon ER, Pasca di Magliano M, Gonzalez FJ, Banerjee R, Wahl DR, Lyssiotis CA, Green M, Shah YM.(Dec2022). Cell Metab. 35(1):134-149.
4. Rhamnetin ameliorates non-alcoholic steatosis and hepatocellular carcinoma in vitro. Shatta, M. A., El-Derany, M. O., Gibriel, A. A., & El-Mesallamy, H. O. (Dec2022). Molecular and Cellular Biochemistry, 1-16.
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6. Insights on the Potential Oncogenic Impact of Long Non-coding RNA Nicotinamide Nucleotide Transhydrogenase Antisense RNA 1 in Different Cancer Types; Integrating Pathway (s) and Clinical Outcome (s) Association. El-Sheikh, N. M., Abulsoud, A. I., Wasfey, E. F., & Hamdy, N. M. (Dec2022). Pathology-Research and Practice, 154183.

7. Elafibranor modulates ileal macrophage polarization to restore intestinal integrity in NASH: Potential crosstalk between ileal IL-10/STAT3 and hepatic TLR4/NF-κB axes. Hakeem, A. N., Kamal, M. M., Tawfiq, R. A., Abdelrahman, B. A., Hammam, O. A., Elmazar, M. M., ... & Attia, Y. M. (Nov2022). *Biomedicine & Pharmacotherapy*, 157, 114050.
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9. Interactome battling of lncRNA CCDC144NL-AS1: Its role in the emergence and ferocity of cancer and beyond. Abd El Fattah, Y. K., Abulsoud, A. I., AbdelHamid, S. G., & Hamdy, N. M. (Nov2022). *International Journal of Biological Macromolecules*. 1;222(Pt B):1676-1687
10. Multi-Epitope Vaccine Design against Monkeypox Virus via Reverse Vaccinology Method Exploiting Immunoinformatic and Bioinformatic Approaches. Bhattacharya K, Shamkh IM, Khan MS, Lotfy MM, Nzeyimana JB, Abutayeh RF, Hamdy NM, Hamza D, Chanu NR, Khanal P, Bhattacharjee A, Basalious EB.(Nov2022). *Vaccines (Basel)*. 25;10(12):2010.
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13. Metabolic Syndrome Produces Insulin Resistance in the Brain and Impairs Oligodendrocyte Metabolic Support of Neurons: A Novel Mechanism for Dementia. Nourel dein, M., Kim, B., Savelieff, M., Sakowski, S., & Feldman, E. (Oct2022). In *ANNALS OF NEUROLOGY* (Vol. 92, pp. S56-S56). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.

- 14. The Genome, Epigenome, and Schwann Cell Transcriptome Implicate the Immune System as a Mediator of Neuropathy in Both Patients and Murine Models.**  
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- 15. Identification of Novel Cyanopyridones and Pyrido[2,3-D]Pyrimidines as Anticancer Agents with Dual VEGFR-2/HER-2 Inhibitory Action: Synthesis, Biological Evaluation and Molecular Docking Studies.** Al-Warhi T, Sallam AM, Hemed LR, El Hassab MA, Aljaeed N, Alotaibi OJ, Doghish AS, Noshay M, Eldehna WM, Ibrahim MH.(Oct2022). Pharmaceuticals . 13;15(10):1262.
- 16. Women in Hepato Pancreatic Biliary (HPB) Tumors.** Hamdy, N. M., Jiang, Y., Sahni, S., Wu, W., Zhang, Y., Sirohi, B., & Chen, J. (May2022). Volume I. Frontiers in Oncology, 12.
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- 18. miRNAs Inspirations in Hepatocellular Carcinoma: Detrimental and Favorable Aspects of Key Performers.** El-Mahdy, H. A., Sallam, A. A. M., Ismail, A., Elkhawaga, S. Y., Elrebehy, M. A., & Doghish, A. S. (May2022). Pathology-Research and Practice, 153886.
- 19. Iron-and erythropoietin-resistant anemia in a spontaneous breast cancer mouse model.** Bregolat, N. F., Ruetten, M., Da Silva, M. C., Aboouf, M. A., Ademi, H., von Büren, N., ... & Thiersch, M. (Apr2022). Haematologica, Epub-ahead.
- 20. Neuroprotective effect of liraglutide in an experimental mouse model of multiple sclerosis: role of AMPK/SIRT1 signaling and NLRP3 inflammasome.** Ammar, R. A., Mohamed, A. F., Kamal, M. M., Safar, M. M., & Abdelkader, N. F. (Apr2022). Inflammopharmacology, 30(3), 919-934.
- 21. Iron Oxide Nanoparticles-Plant Insignia Synthesis with Favorable Biomedical Activities and Less Toxicity, in the “Era of the-Green”: A Systematic Review.** Hamdy, N. M., Boseila, A. A., Ramadan, A., & Basalious, E. B. (Apr2022). Pharmaceutics, 14(4), 844.

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- 41. Synchronizing In Silico, In Vitro, and In Vivo Studies for the Successful Nose to Brain Delivery of an Anticancer Molecule.** Abd-Algaleel SA, Metwally AA, Abdel-Bar HM, Kassem DH, Hathout RM. Mol Pharm. 2021 Oct 4;18(10):3763-3776.
- 42. Competitive Endogenous Role of the LINC00511/miR-185-3p Axis and miR-301a-3p From Liquid Biopsy as Molecular Markers for Breast Cancer Diagnosis.** Mahmoud MM, Sanad EF, Elshimy RAA and Hamdy NM. Front. Oncol. Oct 2021
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**93. The role of myoglobin in epithelial cancers: Insights from transcriptomics.**

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