



Nehal Ibrahim Rizk

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Profile

Ambitious, qualified pharmaceutical academic staff member with excellent organizational and interpersonal skills. Ideal candidate for a position requiring drive, initiative, responsibility, and challenge.

Employment History

- Community Pharmacist, Dr. Eman Community Pharmacy, Cairo [July 2008 – June 2009].
- Community Pharmacist, Dr. Nesreen Community Pharmacy, Cairo [July 2009 – October 2010].
- Community Pharmacist, El Horrya Community Pharmacy, Cairo [October 2012 – August 2013].
- Hospital pharmacist, Manshyet El Bakry General Hospital, Cairo [September 2013 – January 2020].
I worked as an Inpatient Pharmacist, Outpatient Pharmacist, and Drug Information Centre Pharmacist.
- Assistant Lecturer of Biochemistry, Faculty of Pharmacy, Sinai University (Kantara Branch), Ismailia [February 2020 – August 2020].
- Assistant Lecturer of Biochemistry, Faculty of Pharmacy, Heliopolis University, Cairo [October 2020 – July 2023].
- Lecturer of Biochemistry, Faculty of Pharmacy, Heliopolis University, Cairo [July 2023 – August 2024].
- Lecturer of Biochemistry, Faculty of Pharmacy, Egyptian Chinese University, Cairo [September 2024 – August].

Education

- High School, Al Makrizy Experimental Language School, Cairo [September 1990 – May 2003].
- Bachelor's degree, Faculty of Pharmacy, Ain Shams University, Cairo [September 2003 – May 2008].
Graduated with: Excellent with Honor degree.
- Master's degree, Biochemistry Department, Faculty of Pharmacy, Ain Shams University, Cairo [September 2014 – December 2019]. Thesis titled: “Studying the Role of Some Cytokines in Viral Hepatitis C Patients with Hepatocellular Carcinoma”.
- Ph.D. Degree, Biochemistry and Molecular Biology Department, Faculty of Pharmacy, Ain Shams University, Cairo [February 2020 – May 2023]. Thesis titled: “Investigating Novel Exosomal Non-coding

RNA(s) Interrelated with Nicotinamide Phosphoribosyl Transferase (NAMPT) protein in Colorectal Cancer Patients”.

Personal Skills

- Ability to multitask.
- Fast Learner.
- Ability to work in a team.
- Digital skills (Microsoft Word / Microsoft Excel / Microsoft PowerPoint / Google Drive / Software for graphic creation: Canva, Biorender).
- Effective time management.
- Adaptability.
- Ability to work under pressure.
- Good communication and presentation skills.

Job-Related Skills

- Good practice with different Biochemical and molecular techniques (such as Spectrophotometry, ELISA, Exosomal isolation, RNA extraction from serum and tissue samples, and qRT-PCR).
- Assisting in the Standard of faculty members and teaching assistants' Standard files in our faculty, while preparing NAQAAE accreditation, & Preparing Program files and Course files.

Publications

- HMGB1 and SEPP1 as predictors of hepatocellular carcinoma in patients with viral C hepatitis: Effect of DAAs. (*Clinical biochemistry*) 2019.
- Exosomal-long non-coding RNAs journey in colorectal cancer: Evil and goodness faces of key players. (*Life sciences*) 2022.
- miRNAs orchestration of adrenocortical carcinoma-Particular emphasis on diagnosis, progression and drug resistance. (*Pathology-Research and Practice*) 2023.
- The potential role of miRNAs in the pathogenesis of gallbladder cancer-A focus on signaling pathways interplay. (*Pathology-Research and Practice*) 2023.
- The emerging role of miRNAs in Merkel cell carcinoma pathogenesis: Signaling pathway crosstalk. (*Pathology-Research and Practice*) 2023.
- The potential role of miRNAs in the pathogenesis of adrenocortical carcinoma-A focus on signaling pathways interplay. (*Pathology-Research and Practice*) 2023.

- miRNAs driving diagnosis, prognosis and progression in Merkel cell carcinoma. (*Pathology-Research and Practice*) 2023.
- Melodic maestros: Unraveling the role of miRNAs in the diagnosis, progression, and drug resistance of malignant pleural mesothelioma. (*Pathology-Research and Practice*) 2023.
- Unraveling the role of miRNAs in the diagnosis, progression, and therapeutic intervention of Alzheimer's disease. (*Pathology-Research and Practice*) 2023.
- Deciphering signaling pathway interplay via miRNAs in malignant pleural mesothelioma. (*Pathology-Research and Practice*) 2023.
- Unraveling the role of miRNAs in the diagnosis, progression, and drug resistance of oral cancer. (*Pathology-Research and Practice*) 2023.
- Revealing the role of serum exosomal novel long non-coding RNA NAMPT-AS as a promising diagnostic/prognostic biomarker in colorectal cancer patients. (*Life Sciences*) 2024.
- Unraveling the ncRNA landscape that governs colorectal cancer: A roadmap to personalized therapeutics. (*Life Sciences*) 2024.
- Unraveling the miRNA Puzzle in Atherosclerosis: Revolutionizing Diagnosis, Prognosis, and Therapeutic Approaches. (*Current Atherosclerosis Reports*) 2024.
- Tuning into miRNAs: A comprehensive analysis of their impact on diagnosis, and progression in asthma. (*Pathology-Research and Practice*) 2024.
- The miRNA Landscape in Crohn's disease: Implications for novel therapeutic approaches and interactions with Existing therapies. (*Experimental Cell Research*) 2024.
- MicroRNA: Exploring Their Multifaceted Role in Cancer. (*MicroRNA: Exploring Their Multifaceted Role in Cancer*) 2024.
- The emerging role of miRNAs in pituitary adenomas: From molecular signatures to diagnostic potential. (*Experimental Cell Research*) 2024.
- Harnessing natural compounds to modulate miRNAs in breast cancer therapy. (*Functional & Integrative Genomics*) 2024.
- Harnessing the power of miRNAs for precision diagnosis and treatment of male infertility. (*Naunyn-Schmiedeberg's Archives of Pharmacology*) 2024.
- Insights into the genetic and epigenetic mechanisms governing X-chromosome-linked-miRNAs expression in cancer; a step-toward ncRNA precision. (*International Journal of Biological Macromolecules*) 2024.
- Harnessing miRNAs: A Novel Approach to Diagnosis and Treatment of Tuberculosis. (*Journal of Biochemical and Molecular Toxicology*) 2024.

- Unlocking the Potential of miRNAs in Sepsis Diagnosis and Prognosis: From Pathophysiology to Precision Medicine. (*Journal of Biochemical and Molecular Toxicology*) 2025.
- Targeted Therapies: The Role of Monoclonal Antibodies in Disease Management. (*Journal of Biochemical and Molecular Toxicology*) 2025.
- Natural compounds as modulators of miRNAs: a new frontier in bladder cancer treatment. (*Medical Oncology*) 2025.
- Comprehensive insights and In silico analysis into the emerging role of LincRNAs in lung diseases pathogenesis; a step toward ncRNA precision. (*Functional & Integrative Genomics*) 2025.
- miRNAs and their multifaceted role in cutaneous wound healing. (*Functional & Integrative Genomics*) 2025.
- Natural compounds as regulators of miRNAs: exploring a new avenue for treating colorectal cancer. (*Functional & Integrative Genomics*) 2025.
- MicroRNAs in HIV infection: dual regulators of viral replication and host immunity. (*Naunyn-Schmiedeberg's Archives of Pharmacology*) 2025.
- Natural compounds as regulators of miRNAs: exploring a new avenue for treating brain cancer. (*Naunyn-Schmiedeberg's Archives of Pharmacology*) 2025.
- Naunyn-Schmiedeberg's Archives of Pharmacology. (*Functional & Integrative Genomics*) 2025.
- SNP's use as a potential chemotoxicity stratification tool in breast cancer: from bench to clinic. (*Functional & Integrative Genomics*) 2025.
- Role and Significance of MicroRNAs in the Relationship Between Obesity and Cancer. (*Balkan Medical Journal*) 2025.
- Global Perspectives on Coronary Artery Disease: The Emerging Role of miRNAs. (*Current Atherosclerosis Reports*) 2025.
- The Role of MiRNAs in Moyamoya Disease: Vascular Remodeling and Stroke Risk. (*The Journal of Gene Medicine*) 2025.
- Sulfonamide-arylidene hybrids featuring flexible hydrazide and rigid triazole linkers: design, synthesis, and evaluation as carbonic anhydrase inhibitors with anti-breast cancer potential. (*Bioorganic Chemistry*) 2025.

Research Interests

Biochemistry, Epigenetics, Molecular Biology, Oncology.

Conferences

- The Second International Conference of the Faculty of Pharmacy, Ain Shams University. [November 2018]. “Future Trends in the development of Pharmaceutical Education and Research”.
- The Nineteenth Annual Conference of the Adult Education Center, Ain Shams University. [January 2023]. “Artificial intelligence and adult education in the Arab world”.
- The Third International Conference of the Faculty of Pharmacy, Ain Shams University. [November 2023].
- 6th FUE International Conference of Pharmaceutical Sciences. [February 2024]. Poster presentation: “A Study of MicroRNAs as Keystone in Diabetic Retinopathy Pathogenesis”.
- The International Comprehensive OncoNexus Congress (ICONC). [August 2025].

Workshops

- Responsible Conduct of Research (The Second International Conference of the Faculty of Pharmacy, Ain Shams University). [November 2018]
- Onboarding Workshop (The Centre of Education for Sustainable Development at Heliopolis University). [February 2021]
- Virtual Training on E-Learning (The Centre of Education for Sustainable Development at Heliopolis University). [February 2021]
- Logical Manuscript Structure by Nature Research Academies (Online). [February 2021]
- Effective Post-submission Strategies by Nature Research Academies (Online). [February 2021]
- Effective Academic Writing by Nature Research Academies (Online). [February 2021]
- Successful Pre-submission Strategies by Nature Research Academies (Online). [February 2021]
- Research Data for Publishing Success by Nature Research Academies (Online). [May 2021]
- Clinical Research Methodology by Nature Research Academies (Online). [May 2021]
- Communicating Science to the Public by Nature Research Academies (Online). [May 2021]
- Tips & advice for increasing your published paper visibility by ELSEVIER at Egyptian Knowledge Bank (Online). [June 2021]

- Discover your impact: H-Index & Author Metrics on Scopus by ELSEVIER at Egyptian Knowledge Bank (Online). [June 2021]
- Fine Arts for Creativity (The Centre of Education for Sustainable Development at Heliopolis University). [August 2021]
- Goethe, Genetic and Evolution (The Centre of Education for Sustainable Development at Heliopolis University). [August 2021]
- Research Methodology & Scientific Writing (The Centre of Education for Sustainable Development at Heliopolis University). [November 2021]
- Systematic Review and Meta-analysis (TRUST Research Centre), Cairo. [July 2022]
- Art for Transformation (The Centre of Education for Sustainable Development at Heliopolis University). [July 2022]
- Modern History (The Centre of Education for Sustainable Development at Heliopolis University). [July 2022]
- Transformative Leadership Through Acting (The Centre of Education for Sustainable Development at Heliopolis University). [August 2022]
- Scientific Writing (Learning and Developing Center, Ain Shams University). [February 2023]
- Scholarly Publishing in Indexed Journals (Learning and Developing Center, Ain Shams University). [February 2023]
- Self-evaluation by The National Authority for Quality Assurance and Accreditation of Education (NAQAAE). [September 2023]
- Teaching strategies by The National Authority for Quality Assurance and Accreditation of Education (NAQAAE). [September 2023]
- Speak & Inspire – Public Speaking Skills (The Centre of Education for Sustainable Development at Heliopolis University). [March 2024]