

## Curriculum vitae

### Personal details

**Name:** Neveen Abd el Moneim Hussein

**Date of birth:** 1/1/1976

**Country of birth:** Alexandria

**Jop:** Assistant professor in Applied Medical Chemistry Department,  
Medical Research Institute, Alexandria University.

### Contant

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Researcher Academy

### Affiliation

Applied Medical Chemistry Department,  
Medical Research Institute,  
Alexandria University.

### Qualification

- B,Sc in biochemistry (May, 1997)  
Chemistry/ Biochemistry Department  
Faculty of Science  
Alexandria University
- M.Sc in Applied Medical Chemistry (Nov, 2002)  
Applied Medical Chemistry Department  
Medical Research Institute  
Alexandria University.

- Ph. D in Applied Medical Chemistry (April, 2006)  
Applied Medical Chemistry Department  
Medical Research Institute  
Alexandria University.

## **Appointments**

\*10<sup>th</sup> March 1998

Demonstrator in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University

\*25<sup>th</sup> Dec 2002

Assistant lecturer in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University

\* 30<sup>th</sup> May 2006

Lecturer in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University

\* 26<sup>th</sup> Feb 2017

Assistant professor in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University

\* 15<sup>th</sup> March 2023

Head of Applied Medical Chemistry Department, Medical Research Institute, Alexandria University

## **Courses:**

- Laboratory of Biochemistry for preparatory course of master degree in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University.
- Molecular Biochemistry for preparatory course of master degree in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University.
- Applied Medical Chemistry course for master degree in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University.
- Applied Medical Chemistry course for Ph.D in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University
- Molecular Biochemistry for Ph.D in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University
- Molecular Biochemistry for master degree in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University
- Laboratory of Biochemistry for master degree in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University.
- Laboratory of Biochemistry for Ph.D in Applied Medical Chemistry Department, Medical Research Institute, Alexandria University.

## Meeting& Conferences

1. Conference of Liver Diseases at Crossroads of Civilization: East Meets West 5<sup>th</sup>-7<sup>th</sup> September, 2007.
2. Breast Cancer, Hope and Cure. Faculty of Medicine, Monday, 26<sup>th</sup> February 2007. 5<sup>th</sup> integrated symposium.
3. Conference of Liver Diseases at Crossroads of Civilization: East Meets West Viral Hepatitis from A to E. Bibliotheca Alexandria, 23<sup>rd</sup>-24<sup>th</sup> January, 2008.
4. Conference of Liver Diseases at Crossroads of Civilizations: East Meet West Viral Hepatitis: Current and Future Therapies. Bibliotheca Alexandria , 15<sup>th</sup>-16<sup>th</sup> October, 2008
5. The 10<sup>th</sup> allergy day, Alexandria, 1<sup>st</sup> May, 2008.
6. Workshop on Basic Techniques in Molecular Biology. Medical Research Institute, 26<sup>th</sup>-29<sup>th</sup> August, 2008. **(participate and lecture )**
7. Workshop on Laboratory safety, Medical Technology Center, 8<sup>th</sup>-10<sup>th</sup> February, 2009.
8. Workshop on infection control, Medical Research Institute, 30/1-2/2, 2010
9. Participate in seminar on (fermentas Molecular Biology), Faculty of Medicine, Alexandria University, 21<sup>st</sup> July, 2010.
10. Workshop on Basic and Applications of High-performance Liquid Chromotography (HPLC) and Gas Chromotography (GC) in Medical Biochemistry, Medical Technology Center, 26<sup>th</sup>-28<sup>th</sup> February, 2013.
11. Conference of Cancer Prevention....Never Too Late. Faculty of Medicine, 17<sup>th</sup> March 2013.
12. Training on operation / maintenance XMARK Microplate Reader, Medical Research Institute, 2/6/2013.
13. Training on operation / maintenance Mini-Protean Tetra and Power Pac Basic, Medical Research Institute, 2/6/2013.
14. Workshop on Basic introduction to proteomics, MALDI TOF/TOF, Faculty of Medicine, Alexandria University, 17<sup>th</sup> June, 2014.
15. Scientific meeting on Solve Problems, Medical Research Institute, 1/11/2016, Alexandria, Egypt.
16. Scientific meeting on Plagiarism, Medical Research Institute, 15/11/2016, Alexandria, Egypt
17. The 12th Conference of the Medical Research Institute. Advances in Medical Research, 22-24th November, 2006. **(participate and lecture)**
18. The 13th Conference of Medical Research Institute Advances in Medical Research "Liver Diseases", 21st -23rd November, 2007(**participate, lecture and poster**).

19. The 14th Conference (2nd International) of Medical Research Institute Advances in Medical Research "Oncology" From bench....to bedside, 29th - 31st October, 2008.
20. The 15th Conference (3rd International) of Medical Research Institute Advances in Medical Research "From molecular medicine.....to clinical applications", 20th -23rd October, 2009.
21. The 16th Conference (4th International) of Medical Research Institute Advances in Medical Research "Quality in Medical Education and Practice", 19<sup>th</sup> -22<sup>nd</sup> October 2010.
22. The 17th Conference (5th International) of Medical Research Institute Advances in Medical Research "Obesity", 13<sup>th</sup> -16<sup>th</sup> November, 2012.
23. The 18th Conference (6th International) of Medical Research Institute Multidisciplinary Approach in Cancer Management, 23<sup>rd</sup> -26<sup>th</sup> September, 2014.
24. Alexandria Breast Cancer conference, 4<sup>th</sup> April 2019.
25. The Erasmus+ Projects' Café Event, Hilton, Miami, Corniche Alexandria on Thursday 10/10/2019.
26. 1<sup>st</sup> symposium of biomedical science–Clinical Biochemistry and Tumor markers (SBS-CBTM), Faculty of Medicine- Alexandria University- Egypt. 11<sup>th</sup> -12<sup>th</sup> October 2019.
27. Workshop of Medical Analysis that organized by Scientific Training Association (STA) under the Conference patronage 1<sup>st</sup> symposium of biomedical science–Clinical Biochemistry and Tumor markers (SBS-CBTM), Staff Member Club- Alexandria University- Egypt, 11<sup>th</sup> -12<sup>th</sup> October 2019.
28. Online training: digital transforming leaders "Moodle learning management system" Alexandria University 6<sup>th</sup>-29<sup>th</sup> June, 2020.
29. Researcher Academy On Campus "Using of Embase for Evidence-based medicine and healthcare policy-making" at Elsevier Life Science Solutions, on Wednesday 10 June, 2020.
30. Researcher Academy On Campus "Systematic searching in Embase: using PICO to identify relevant results for Evidence-based medicine" at Elsevier Life Science Solutions, on Wednesday 08 July, 2020
31. Researcher Academy On Campus "Elsevier Modern Knowledge Cycle: Enhancing your Research with Elsevier core Research Solutions" at The Egyptian Knowledge Bank, on Wednesday 26 August, 2020.
32. 6<sup>th</sup> International Conference of Chemical Pathology Department, Medical Research Institute, Alexandria University, "Chem path 2021" 11<sup>th</sup> April, 2021.
33. Online workshop "Production steps of OER" part of the "Ramadan Gana" Workshop Series, 15 April- 11 May 2021.
34. Online workshop "(OER) Preparation and Publication" part of the "Ramadan Gana" Workshop Series, 15 April- 11 May 2021.

35. Online workshop " Open Educational Resources (OER): How to Search for and Design" part of the "Ramadan Gana" Workshop Series, 15 April- 11 May 2021.
36. 1<sup>st</sup> International Online Conference On Medical Basic Science Research, University of Kufa, Faculty of Nursing, Department of Basic Science, 30 March 2021.
37. Online workshop " Molecular Diagnosis of Diseases" University of Basrah, College of Science, 14 July 2021.
38. Annual Scientific Conference of Alexandria Clinical Oncology Department, 23-25 November 2022.
39. Milestone in cancer research from genomic to practice. Action in challenging times. 19<sup>th</sup> Medical Research Institute, 7<sup>th</sup> International Conference, 13-14 May 2023 (**Chairperson**).
40. Scientific day of Medical Laboratory Technology Department, Faculty of Applied Health Sciences Technology, Pharos University, Alexandria, 18<sup>th</sup> May 2023.
41. 1<sup>st</sup> Annual Conference of the Biochemistry Department " Coding and Non-coding Expression Decode the Mystery of Metabolic Disorders " Medical Research Institute, Alexandria University, 3<sup>rd</sup> March 2024 (**Chairperson**).

## **Publications**

1. Neveen A Hussein, Amay I Youssef, Samia A Ebied, Amal Y Shehab, Saad S Ismail, LaiL M Abou Basha. In vitro studies of some detoxifying and antioxidant enzymes in cattle Fasciolosis. Med J Cairo Univ 2003; 71: 189-96.
2. Neveen A Hussein, Sahar A AbouHolw, Medhat M Anwar, Rasha B Bassiouni, Hend a El Taweel. Impact of coinfection with schistosoma mansoni on helicobacter pylori induced disease. J Egypt Soc Parasitol 2008; 38: 73-84.
3. Neveen A Hussein, Amel Y Shehab, Samia A Ebeid, Mohamed Y El-Samak. Detoxifying and anti-oxidant enzymes of Fasciola gigantica worms under triclabendazole sulphoxide (TCBZ-SX): an in vitro study. J Egyptian Soc Parasitol 2009; 39(1): 73-83.
4. Neveen A Hussein, Zienat A El Kholy, Usama A Sharaf El Din, Hesham G El Din, Saber H Abd El Gawad. Effect of low molecular weight iron dextran therapy on pregnancy associated plasma protein –A and C40 ligand markers in chronic renal failure patients. J Med Res Inst 2009; 30: 105-10
5. Neveen A Hussein, Abeer A Ghazal, Rania M El Sharkawy. Antioxidants and tumor necrosis factor- $\alpha$  in patients with pulmonary tuberculosis. Bull High Inst Pub Heal 2010; 40: 596-613.

6. Neveen A Hussein, Magda Mohasseb, Samia Ebied, Mona AH Yehia. Testicular oxidative damage and role of combined antioxidant supplementation in experimental diabetic rats. *J Physiol Biochem* 2011; 67: 185-94.
7. Neveen A Hussein, Abeer Ghazal, Sarah Abdel Hamid, Mohamed abdel Mohsen. Clinical implication of serum sFAS and sFASL levels in chronic hepatitis c and hepatocellular carcinoma: a way of escape from the host immune surveillance. *Egypt J Lab Sci* 2012; 21: 29-35.
8. Neveen A Hussein, Emara SO, El-Kholy SM, Kazem AH, Shams El-Dein RS. Therapeutic effects of low frequency pulsed electromagnetic fields on rat liver cancer. *I J Engineer Sci* 2013; 2 (9): 17-18.
9. Neveen A Hussein, Wael M. Lotfy, Aly M. Nageh, Ashraf M Hassan. Application and evaluation of a molecular approach 4 for detection of the schistosomicidal effect of Mirazid-5 (myrrh) in the murine model. *Journal of Advanced Research* 2013; 4: 563–567.
10. **Neeven A Hussein,** Anwar MM, Elkerm Y, Abozaid NA, Rashad MM. Evaluation of serum big endothelin-1 for the diagnosis and prediction of disease recurrence in breast cancer patients. *J Cancer Res Ther* 2013; 1(7): 178-185.
11. **Neeven A Hussein,** Hoda Aly Abd El Moety, Rania Mahamed El Sharkawy. Lipocalin: A Novel Diagnostic Marker for Hepatocellular Carcinoma in Chronic Liver Disease Patients in Egypt. *International Journal of Clinical Medicine* 2013; 4: 440-450.
12. **Neeven A Hussein,** Mervat A. El-Tokhy, Ahmed M. L. Bedewy, Mohammad R. Barakat. XPD gene polymorphisms and the effects of induction chemotherapy in cytogenetically normal de novo acute myeloid leukemia patients. *Hematology* 2014; 19: 397-403.
13. **Neeven A Hussein,** Mervat A El-Toukhy, Amany H Kazem, Mahmoud E Ali, Mohammad A Ahmad, Hossam M Ghazy, Ahmed M Gamal El-Din. Protective and therapeutic effects of cannabis plant extract on liver cancer induced by dimethylnitrosamine in mice. *Alexandria Journal of Medicine* 2014; 50: 241-51.
14. **Neeven A Hussein,** Mohamed A Mohsen, Abeer A. Ghazal, Marwa K. El-Ghandour, Mohamed Farouk, Abeer E. Abd El-Wahab, Amany I. Yousef. Angiogenic output in viral hepatitis, C and B, and HCV-associated hepatocellular carcinoma. *Alexandria Journal of Medicine* 2014; 50: 235-40.



15. **Neveen A Hussein**, Mona A Yahia. Effects of copper nicotinate complex on renal metallothionein and metal-responsive transcription factor 1 genes expression during 4-dimethylaminoazo benzene exposure in rats. *Journal of High Institute of Public Health* 2015, 45(2):76-83.
16. **Neveen A. Hussien**, Omnya A. El-Geddawi, Mona H. El-Sayad, Nadia A. Sadek, Mohamed A. Ahmed. Detection of *T. gondii* infection in blood donors in Alexandria, Egypt, using serological and molecular strategies. *Parasitologists United Journal* 2016, 9 (1): 24-30.
17. **Neveen A. Hussein**, Zenat A El Kholy, Medhat M Anwar, Mohamed A Ahmed, Shaymaa M Ahmad. Plasma miR-22-3p, miR-642b-3p and miR-885-5p as diagnostic biomarkers for pancreatic cancer. *Journal of Cancer Research and Clinical Oncology*, 2017 Jan; 143(1):83-93.
18. **Neveen A. Hussein**, Salwa N. Mohamed, Mohamed A. Ahmed. Plasma ALU-247, ALU-115, and cfDNA Integrity as Diagnostics and Prognostic Biomarkers for Breast Cancer. *Applied Biochemistry and Biotechnology* 2019; 187:1028–1045.
19. Fawziya AR Ibrahim, Aziza A. Saad, Amany El-Sikaily, Amany I youssef, Gehan Hassan, Tarek M Hussien, **Neveen A. Hussein**. Seminal plasma protamine 1 and 2 as indicators of cadmium/lead - induced gonadotoxic effects in male infertility: A case-control Study. *Arab. J. Lab. Med.* (2019) Vol. 44, No. 2 : 371- 385.
20. Mona H. El-Sayad, **Neveen A. Hussein**, A. H. Kazem, Omnya A. El Geddawi, Enas M. Rizk, Hend A. El-Taweel. Temporal expression of *Toxoplasma* stage-specific genes in brain tissue: coincidence with parasitological and histopathological findings in mice models. *Parasitology Research* 2020; 1-9.
21. **Neveen A. Hussein**, Samia A. Ebied, Hoda A. Nour, Usama K. Zaki, Sahar M. EL-Kotishy, Tarek M. Salem. Liraglutide treatment and acylcarnitine profiles in Egyptian obese insulin-resistant females. *European journal of Pharmacology* 2021 (891); 173668.
22. **Neveen A. Hussein**, Samia A. bied, Marwa A. Saleh. Evaluation of the anticancer effect of violacein, phycocyanin and phycocyanobilin on apoptotic genes expression and glycan profiles in breast cancer cells. *International Journal of Cancer and biomedical Research* 2021; 5(2): 81-97.
23. Mona El-Sayad, Mohamed Abdel Rahman, **Neveen A. Hussein**, Rawda Abdel Aziz, Hend A El-Taweel, Naglaa Abd El-Latif. MicroRNA-155 Expression

and Butyrylcholinesterase Activity in the Liver Tissue of Mice Infected with *Toxoplasma gondii* (Avirulent and Virulent Strains). *Acta Parasitol* 2021

24. **Neveen A. Hussein**, Mona M. Rashad, Azza S. Abdou, Amr M. Hussein, Hagar M. Mohamed. Gene profiling of SEC13, SMAD7, GHRL, long non-coding RNA GHRLOS, HIF-1 $\alpha$  in gastric cancer patients. *Scientific Reports* 2022; 12: 6555.
25. Amany El-Sikaily, Mohamed Helal, Augusta Chinyere Nsonwu-Anyanwu, Hossam Azab, **Neveen Abd El Moneim**, Eman Othman Salem Farahat, Aziza Saad. Impacts of PAH accumulation on reproductive hormones, indices of oxidative stress and BPDE-albumin adduct in women with recurrent pregnancy loss. *Toxicol Res.* 2023 May 20;39(3):517-531. doi: 10.1007/s43188-023-00181-5. PMID: 37398572; PMCID: PMC10313630.
26. **Neveen A. Hussein**, Shehata M. El Sewedy, Mohamad M. Zakareya, Engy A. Youssef, Fawzya AR. Ibrahim. Expression status of circ-SMARCA5, circ-NOL10, circ-LDLRAD3, and circ-RHOT1 in patients with colorectal cancer. *Sci Rep.* 2023 Aug 16;13(1):13308. doi: 10.1038/s41598-023-40358-4. PMID: 37587156; PMCID: PMC10432413.
27. Fawziya A R Ibrahim, **Neveen A Hussein**, Aisha Y M Soliman, Thanaa I Shalaby, Mona M Rashad, Noura A Matar, Tarek S El-Sewedy. Chitosan-loaded piperlongumine nanoparticles and kaempferol enhance the anti-cancer action of doxorubicin in targeting of Ehrlich solid adenocarcinoma: in vivo and in silico modeling study. *Med Oncol* 2024 Jan 23;41(2):61. doi: 10.1007/s12032-023-02282-5.
28. **Neveen A Hussein**, Samia A Ebid, Mohammad A Ahmad, Gamal E Khedr, Dina M Saad. The possible correlation between miR-762, Hippo signaling pathway, TWIST1, and SMAD3 in lung cancer and chronic inflammatory diseases. *Sci Rep* 2024 Apr 8;14(1): 8246. doi: 10.1038/s41598-024-58704-5. PMID: 38589525.
29. **Neveen A. Hussein**, Mohammad A. Ahmad, Khaled S. Ali. Tramadol and/or Ketamine Repurposing as Potential Anticancer Drugs in Metastatic Castration-Resistant Prostate Cancer Cell Lines. *International Journal Cancer and Biomedical Research* 2024;8(1): 53-63.
30. **Neveen A. Hussein**, Samia A. Ebied, Abdel Aziz M. Belal, Mohamad A. Ahmad and El Sayed A. Weheida. Expression profiling of circulating lncRNA GIAT4RA, lncRNA AATBC, lncRNA Sirt1-AS, and SMARCB1 in lung cancer patients. *BMC Cancer* 2024; 24 (1175).