



## Curriculum Vitae



### **Hend Elsayed Nasr Elsayed**

**lecturer of Medical Biochemistry & Molecular Biology  
Faculty of Medicine – Benha University**

#### **Personal data:**

**Lecturer of medical biochemistry and molecular biology**

**Benha Faculty of Medicine**

**Benha University, Egypt**

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(002) 01012524524

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#### **P E R S O N A L I N F O R M A T I O N**

<b>Nationality</b>	Egyptian
<b>Language (s)</b>	English/Arabic
<b>Date of birth</b>	04.04.1984
<b>Family Status</b>	Married
<b>Children</b>	Three boys

#### **Positions:**

The current position	Lecturer, Medical Biochemistry Department, Faculty of Medicine, Benha University, Egypt.
30/1/2018 – up till now	
2013 - 2018	Assistant Lecturer, Medical Biochemistry Department, Faculty of Medicine, Benha University, Egypt.
2009 - 2013	Demonstrator, Medical Biochemistry Department, Faculty of Medicine, Benha University, Egypt.
2008 -2009	Postgraduate Internship, Faculty of Medicine, Benha University, Egypt.

#### **Qualification:**

- M.B.B.Ch. In Medicine and General Surgery
- Master of Medical Biochemistry

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- M.D. in Medical Biochemistry

#### **Teaching experiences:**

- From 2018 – 2024: Lecturer in Medical Biochemistry Department – Faculty of Medicine – Benha University, Egypt
- From 2013 – 2018: Assistant lecturer in Medical Biochemistry Department – Faculty of Medicine – Benha University, Egypt
- From 2009 – 2013: Demonstrator in Medical Biochemistry Department – Faculty of Medicine – Benha University, Egypt

#### **Teaching Activities:**

##### **A. For undergraduate medical students (first and second years):**

###### **1- Before modules:**

- ❖ Teaching the Medical Biochemistry & Molecular Biology theoretical course
- ❖ Teaching the Medical Biochemistry & Molecular Biology practical course:
  - Urine report (physical and chemical examination of urine)
  - Blood chemistry analysis (glucose, cholesterol, total protein, uric acid)
  - Molecular Biology techniques (nucleic acid extraction, PCR, RFLP and gel electrophoresis, reverse hybridization)
  - Physical chemistry
  - Carbohydrate chemistry & Lipid Chemistry
  - Carbohydrate metabolism
  - Heme metabolism
  - Hormones
- ❖ Preparation of undergraduate Medical Biochemistry & Molecular Biology tutorials
- ❖ Teaching theoretical and practical courses in the institute of Nursing-, Benha University



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- ❖ Contribution in the oral, practical and written exams of the undergraduates of the Faculty of Medicine and the Faculty of Nursing, Benha University.
- ❖ Contribution in oral, practical and written exams of Benha Health Technical Institute.
- ❖ Contribution in the course specification and course reports of the undergraduates

### **2- After modules:**

- ❖ Teaching the theoretical and practical courses, case-based learning, student-directed learning and tutorials of the Medical Biochemistry & Molecular Biology.
- ❖ Contribution in the course specification and course reports of the Medical Biochemistry and Molecular Biology of the undergraduate medical students.
- ❖ Sharing in the hybrid teaching for the undergraduates (both online and at the faculty "small groups") during COVID-19 Pandemic.
- ❖ Module coordinator for Principles of nutrition and metabolism (NUTM 211) module for second year medical students (2023-2024).
- ❖ Contribution for the test blue print for the nutrition and metabolism (NUTM 211) module (2023-2024).
- ❖ Preparation of the mid-module, the end of module and the practical exams for the first module of the second-year medical students (NUTM 211 module, 2023-2024) and preparation of the mark list of the same module.
- ❖ Teaching theoretical and practical courses of Medical Biochemistry & Molecular Biology to the undergraduate nursing students of the institute of Nursing, Benha University including the formation of written and oral exams and the evaluation of students at the end of the module (2018-2019/2019-2020).

### **Thesis Supervision:**

1. Serum GDF-15 Level in Rheumatoid Arthritis and Relation to Disease Activity and severity.
2. The Expression pattern of circulating miRNA 329 as a noninvasive predictive biomarker in breast cancer patients.

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3. Inducible nitric oxide synthase gene polymorphism in patients with psoriasis and psoriatic arthritis.
4. Peroxisome Proliferator Activated Receptor-Gamma Tissue Expression and Gene Polymorphism in Alopecia Areata in an Egyptian Sample.
5. Role of microRNA-1 as diagnostic and differentiating biomarker between acute anterior myocardial infarction and unstable angina.
6. Serum clusterin in patients with post adolescent acne.
7. Assessment of Scalp Hair Survivin in Patients with Premature Greying of Hair.
8. CD70 gene expression in acne vulgaris.
9. Diagnostic value of microRNA in acute coronary syndrome patients in correlation with high sensitivity troponin I.

#### **Online links:**

- **Institutional staff member site:** <https://bu.edu.eg/staff-ar/hendmosalm12>
- **Google scholar link:**  
<https://scholar.google.com.eg/citations?hl=ar&imq=hend+elsayed&user=E1rLcaMAAAAJ>
- **Research gate link:**  
<https://www.researchgate.net/profile/Hend-Elsayed-11?sorting=recentlyAdded>
- **ORCID ID:** [0000-0002-7338-7627](#)

#### **Publications:**

1. **M.E. Khalil1; M.S. Elhanafy; S.E. Eigela; H.E. Nasr; M.E. ELgendi.** Serum GDF-15 Level in Rheumatoid Arthritis and Relation to Disease Activity and Severity. Benha Journal of Applied Sciences. 2020; 5 (4).131-134.
2. **Elsayed MSAE, Elsouky SM, Roshdy T, Bayoume AMA, Nasr GM, Salama ASA, Akl BA, Hasan AS, Shahat AK, Khashaba RA, Abdelhalim WA, Nasr HE, Mohammed LA, Salah A.** Genetic and antimicrobial resistance profiles of non-O157 Shiga toxin-producing Escherichia coli from different sources in Egypt. BMC Microbiol. 2021;21(1):257. doi: 10.1186/s12866-021-02308-w. PMID: 34556033; PMCID: PMC8461963.



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3. **El-Shafey RS, Baloza SH, Mohammed LA, Nasr HE, Soliman MM, Ghamry HI, Elgendi SA.** The ameliorative impacts of wheat germ oil against ethanol-induced gastric ulcers: involvement of anti-inflammatory, antiapoptotic, and antioxidant activities. *Toxicol Res (Camb).* 2022;11(2):325-338. doi: 10.1093/toxres/tfac012. PMID: 35510233; PMCID: PMC9052321.
4. **Elgendi SA, Baloza SH, Mohammed LA, Nasr HE, Osama El-Shaer N, Ghamry HI, Althobaiti SA, Shukry M, Soliman MM, Elnoury HA.** Ameliorative Impacts of Wheat Germ Oil against Ethanol-Induced Hepatic and Renal Dysfunction in Rats: Involvement of Anti-Inflammatory, Anti-Apoptotic, and Antioxidant Signaling Pathways. *Life (Basel).* 2022;12(10):1671. doi: 10.3390/life12101671. PMID: 36295108; PMCID: PMC9605469.
5. **El Gazzar WB, Allam MM, Shaltout SA, Mohammed LA, Sadek AM, Nasr HE.** Pioglitazone modulates immune activation and ameliorates inflammation induced by injured renal tubular epithelial cells via PPAR $\gamma$ /miRNA 124/STAT3 signaling. *Biomed Rep.* 2022;18(1):2. doi: 10.3892/br.2022.1584. PMID: 36544854; PMCID: PMC9756109.
6. **Antar SA, Abd-Elsalam M, Abdo W, Abdeen A, Abdo M, Fericean L, Raslan NA, Ibrahim SF, Sharif AF, Elalfy A, Nasr HE, Zaid AB, Atia R, Atwa AM, Gebba MA, Alzokaky AA.** Modulatory Role of Autophagy in Metformin Therapeutic Activity toward Doxorubicin-Induced Nephrotoxicity. *Toxics.* 2023 Mar 16;11(3):273. doi: 10.3390/toxics11030273. PMID: 36977038; PMCID: PMC10052439.
7. **ShamsEldeen AM, Fawzy A, Ashour H, Abdel-Rahman M, Nasr HE, Mohammed LA, Abdel Latif NS, Mahrous AM, Abdelfattah S.** Hibiscus attenuates renovascular hypertension-induced aortic remodeling dose dependently: the oxidative stress role and Ang II/cyclophilin A/ERK1/2 signaling. *Front Physiol.* 2023;14:1116705. doi: 10.3389/fphys.2023.1116705. PMID: 37415906; PMCID: PMC10321301.
8. **Shanab O, El-Rayes SM, Khalil WF, Ahmed N, Abdelkader A, Aborayah NH, Atwa AM, Mohammed FI, Nasr HE, Ibrahim SF, Khattab AM, Alsieni M, Behairy A, Fericean L, Mohammed LA, Abdeen A.** Nephroprotective effects of Acacia senegal against aflatoxicosis via targeting inflammatory and apoptotic signaling pathways. *Ecotoxicol Environ Saf.* 2023 Jun 27;262:115194. doi: 10.1016/j.ecoenv.2023.115194. Epub ahead of print. PMID: 37385018.
9. **El Gazzar WB, Sliem RE, Bayoumi H, Nasr HE, Shabanah M, Elalfy A, Radwaan SE, Gebba MA, Mansour HM, Badr AM, Amer MF, Ashour SS, Morsi H, Aboelkomsan ESAF, Baioumy B, Sayed AEH, Farag AA.** Melatonin Alleviates Intestinal Barrier



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Damaging Effects Induced by Polyethylene Microplastics in Albino Rats. *Int J Mol Sci.* 2023 Sep 3;24(17):13619. doi: 10.3390/ijms241713619. PMID: 37686424; PMCID: PMC10488227.

10. **Elgendi SA, Soliman MM, Ghamry HI, Shukry M, Mohammed LA, Nasr HE, Alotaibi BS, Jafri I, Sayed S, Osman A, Elnoury HA.** Exploration of Tilmicosin Cardiotoxicity in Rats and the Protecting Role of the Rhodiola rosea Extract: Potential Roles of Cytokines, Antioxidant, Apoptotic, and Anti-Fibrotic Pathways. *Toxics.* 2023 Oct 13;11(10):857. doi: 10.3390/toxics11100857. PMID: 37888707; PMCID: PMC10610616.
11. **Hendy, R.M., Elawady, M.A., Nasr, H.E. et al.** Correlation of obstructive sleep apnea severity and lipid profile level. *Egypt J Bronchol* 18, 7 (2024). <https://doi.org/10.1186/s43168-024-00260-7>.

### Attended Workshops and Conferences:

#### **A. Workshops:**

1. June 2010: Training course communication skills in different education patterns (the project of training in information technology, Benha University).
2. June 2010: Training course Exams system and student evaluation (the project of training in information technology, Benha University).
3. October 2011: University Teacher Preparation Course in Faculty of Education, Benha University, Egypt.
4. July 2012: Training course for the self-assessment and external audit (the project to develop the capacity of faculty members and leaders, Benha University).
5. September 2012: TOEFL in Benha University, Egypt.
6. September 2012: Training course How to compete for a research fund (the project to develop the capacity of faculty members and leaders, Benha University).
7. September 2012: The training course for Word Processing (the project of training in information technology and communication, Benha University).
8. October 2012: The training course for Advanced Word Processing (the project of training in information technology and communication, Benha University).
9. January 2013: The training course for word + windows (the club of technology, Benha University).
10. January 2013: The training course for word + windows (the club of technology, Benha University).
11. November 2014: Training course for lab safety (the project to develop the capacity of faculty members and leaders, Benha University).
12. February 2016: Training course for quality standards in the teaching process (the project to develop the capacity of faculty members and leaders, Benha University).

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13. March 2016: Statistical Analysis using SPSS in Faculty of Engineering, Benha University, Egypt. (the project of training in information technology and communication,
14. March 2016: Training course for the self-assessment and external audit (the project to develop the capacity of faculty members and leaders, Benha University).
15. March 2016: Training course for credit hour system (the project to develop the capacity of faculty members and leaders, Benha University).
- 16.
17. April 2016: Training course for the website management program (the project to develop the capacity of faculty members and leaders, Benha University).
18. August 2017: TOEFL in Benha University, Egypt.
19. June 2020: The training course for WEB PUBLISHING USING FRONT PAGE (the project of training in information technology, Benha university).
20. The scientific research marketing course in the period from 5/30/2023 to 5/31/2023.
21. The strategic planning course from 6/7/2023 to 6/8/2023.
22. The electronic question banks and discussion course in the period from 6-12-2023 to 6-13-2023.
23. The integrity and transparency course for the period from 7-8-2023 to 8-8-2023.
24. The credit hours systems course in the period from 8-14-2023 to 8-15-2023.
25. Workshops on “The Fundamentals of Digital Transformation Certificate”, from Information Technology Transformation Unit (ITTU), Benha University, august 2023

#### **B. Conferences:**

1. Attending the annual conference of the Faculty of Medicine at Benha University, held from April 23-26, 2013, “Improving health care and emergency service in delta region.” Attending the annual Benha University Conference.
2. Attending the nutrition intervention wheel conference on March 16 and 17, 2023.

#### **Control room:**

- A • Working as a control member for the sixth year for the academic year 2019-2020/2020-2021

#### **Membership:**

- A member of the Egyptian Medical Syndicate
- A member of the Egyptian Society of Medical Biochemistry and Molecular Biology
- A member of the Training Unit of Quality Assurance and Accreditation Project of the Faculty of Medicine, Benha University (2010 – 2012).



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### **Awards:**

- International Publishing Award from Benha University ( 2023).

### **Professional techniques and areas of expertise:**

- Nucleic acid extraction – Conventional PCR – Gel electrophoresis
- Restriction Fragment Length Polymorphism (RFLP) – Variable number tandem repeats (VNTR)
- Real Time PCR for gene expression and allele discrimination of single nucleotide polymorphism
- Reverse hybridization for detection of gene mutation
- Enzyme Linked Immune-Sorbent Assay (ELISA) and Spectrophotometry

### **Computer skills:**

- ICDL from Benha University – Website Management
- Good experience in dealing with the internet in scientific researches and in the educational website
- Good experience in dealing with Teams for life teaching of lectures.

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