



Curriculum Vitae

Prof. Dr. Naglaa Fathy Ibrahim Al-Husseini
Professor of Medical Biochemistry
Faculty of Medicine – Benha University

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Personal Information

Name: Prof. Dr. Naglaa Fathy Ibrahim Al-Husseini

Date of Birth: 13 December 1972

Place of Birth: Zagazig, Sharkia, Egypt

Languages: Arabic (Mother tongue); English
(Very good in writing, speaking, and communication)

Academic Qualifications

- M.B.B.Ch., Faculty of Medicine, Benha University – Very Good with Honors.
- M.Sc. in Medical Biochemistry, Faculty of Medicine, Benha University, 2003 – Excellent.
- Ph.D. in Medical Biochemistry and Molecular Biology, Faculty of Medicine, Benha University, 25 September 2006.

Academic and Professional Appointments

- Demonstrator, Department of Medical Biochemistry, Faculty of Medicine, Benha University (1999–2003).
- Assistant Lecturer, Department of Medical Biochemistry, Faculty of Medicine, Benha University (2003–2006).
- Lecturer, Department of Medical Biochemistry, Faculty of Medicine, Benha University (2006–2012).



- Assistant Professor, Department of Medical Biochemistry, Faculty of Medicine, Benha University (2012–2017).
- Professor of Medical Biochemistry, Faculty of Medicine, Benha University (2017–Present).

Teaching and Educational Activities

- Participation in teaching and assessment of theoretical and practical medical biochemistry courses for first- and second-year undergraduate medical students.
- Teaching and examination of postgraduate medical biochemistry courses for both clinical and academic departments.
- Teaching the course “Biochemistry of Organ Disorders” for the Analytical Chemistry Diploma Program, Faculty of Science, Benha University.
- Teaching the elective course “Genetic Disorders” for medical students (New Integrated 5+2 Program).
- Supervision and co-supervision of more than 40 M.Sc. and Ph.D. theses in basic and clinical departments up to 2020.
- Participation in discussion and examination of postgraduate theses at Benha University and other Egyptian universities.

Curriculum Development and Educational Reform

- Participation in updating and developing practical biochemistry courses for first- and second-year medical students.
- Preparation of practical manuals for undergraduate biochemistry courses.
- Development of postgraduate course logbooks and academic curricula.
- Participation in preparing departmental research plans.
- Preparation of course specifications and course reports for undergraduate biochemistry courses.
- Development of examination blueprints for medical biochemistry courses.
- Contribution to the development and implementation of the Integrated Medical Education Program (5+2), Phase I.
- Deputy Director of the Integrated 5+2 Program, Coordinator of the First Academic Semester, and Head of First-Year Examination Control Unit until 2020.

- Development of integrated program modules according to Competency-Based Medical Education and E-learning principles.

Books and Scientific Authorship

- Co-author of the Medical Biochemistry textbook for first- and second-year medical students.
- Co-author of the book “Basic Concepts of Molecular Biology.”
- Sole author of the book “Biochemistry of Organ Disorders.”
- Sole author of the book “Genetic Disorders.”

University and Faculty Service

- Member of the Quality Assurance Unit Board, Faculty of Medicine, Benha University (2007–2013).
- Member of the Internal Review and Self-Evaluation Committee.
- Coordinator of the Postgraduate Studies Quality Standard.
- Contributor to the preparation of the Faculty Self-Study Report.
- Certified external reviewer and self-evaluation assessor by NAQAAE.
- Certified in Competency-Based Education and E-learning (NAQAAE).

Examination Control and Committees

- Head of Examination Control Committee for First-Year Medical Students (New and Old Systems), 2018–2020.
- Head of Examination Control Committee for Fifth-Year Medical Students, 2013–2018.
- Member of Examination Control Committee for Fourth-Year Medical Students, 2009–2013.
- Member of Examination Control Committee for M.Sc. Part I (Internal Medicine and Surgery), 2006–2009.

Special Units and Administrative Roles

- Director of the Molecular Biology and Biotechnology Unit, Faculty of Medicine, Benha University (since May 2022).
- Member of the Student Affairs Committee (2018–2020).
- Member of the Community Service and Environmental Development Committee (2014–2017; 2022–Present).

Research, Publications, and Scientific Output

- Supervision and co-supervision of more than 40 M.Sc. and Ph.D. theses at the Faculty of Medicine, Benha University.
- Supervision of more than 20 postgraduate theses at Faculties of Medicine, Pharmacy, Veterinary Medicine, Science, and Physical Education at Benha, Zagazig, and Pharos Universities.
- Examiner of postgraduate theses at Benha University and other Egyptian universities.
- Author of more than 45 international and 30 regional and local peer-reviewed publications.
- Scopus h-index: 8.
- ORCID: 0000-0002-1040-7774.
- Google Scholar citations: more than 225.
- Recipient of Excellence Awards in Scientific Research and International Publication from Benha University (2019–2020, 2022, and 2024).

Scientific Reviewing and Committees

- Member of the Permanent Scientific Committee for Promotion of Professors and Assistant Professors of Medical Biochemistry (2025–2028).
- Member of the Scientific Review Committee for Promotion of Professors and Assistant Professors of Medical Biochemistry (2019–2022; 2022–2025).
- Peer Reviewer for international journals, including the African Journal of Microbiology.
- Peer Reviewer for the American Journal of Biochemistry (Science Publications).
- Peer Reviewer for regional journals: Benha Medical Journal, Zagazig Journal of Pharmaceutical Sciences, and Benha Journal of Applied Science.

Conferences, Workshops, and Training

- Active participation in numerous scientific conferences, workshops, and seminars as attendee, trainer, speaker, and presenter in medical biochemistry, molecular biology, and stem cell research.
- Participation in quality assurance, teaching, question bank development, and educational competency training programs.
- External Review Course for Higher Education Institutions, NAQAAE (2009).

- Self-Evaluation Course for Higher Education Institutions, NAQAAE (2009).
- Competency-Based Education and E-learning (CBE-EL), NAQAAE (2019).
- Knowledge-Based Assessment, Egyptian Knowledge Bank (2019).

Projects

- Member of the project for establishing the Quality Assurance and Accreditation Unit, Faculty of Medicine, Benha University.
- Member of the Continuous Improvement and Qualification for Accreditation Project (CIQAP), Faculty of Medicine, Benha University.
- Quality Manager and Operations Supervisor for the accreditation of the Molecular Biology Laboratory (ISO 15189).

Prof. Naglaa Fathy Alhusseini