

DR.OMAYMA MAHMOUD HASAN

Professor & Head of Community & Environmental Medicine & Occupational Health Department, Benha Faculty of Medicine, Benha University



ACADEMIC PROFILE

- I am a senior academic and clinician in Public Health and Community Medicine, with a long-standing focus on Occupational Medicine. My academic vision centers on improving workers' health, preventing occupational hazards, and integrating occupational health principles into both clinical practice and public-health policy.
- Through my research and academic leadership, I have contributed to advancing evidence-based approaches to occupational risk assessment, workplace safety, and health promotion among vulnerable worker populations.
- In parallel, I am deeply committed to medical education. I strongly believe that high-quality teaching is the cornerstone of sustainable healthcare systems and professional development. Throughout my career, I have played a pivotal role in curriculum development, student mentorship, and academic coordination, fostering a learning environment that emphasizes critical thinking, practical application, and lifelong learning.

ACADEMIC POSITIONS & LEADERSHIP

- **Teaching Assistant** at Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**July 1996 – October 2001**)
- **Assistant Lecturer** at Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**October 2001_ April 2008**)
- **Lecturer** at Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**April 2008 _ July 2015**)
- **Assistant Professor** at Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**July 2015 _ February 2022**)
- **Professor** at Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**February 2022_ Septemper 2023**)
- **Head** of Community& Environmental Medicine & Occupational Health Department, Benha Faculty Of Medicine. (**Septemper 2023_ Present**)

EDUCATION

- ♦ **Bachelor of Medicine and Bachelor of Surgery** (MBBCh), Benha Faculty Of Medicine _ Grade of “Very Good “, (Dec 1993)
- **Master's Degree in occupational medicine**, Benha Faculty of Medicine, Benha University_Grade of “Very Good”,(June 2001)
- **Medical Degree, MD in Occupational Medicine**, Benha Faculty of Medicine, Benha University, (Nov 2007)

RESEARCH INTEREST

My research interests primarily focus on Occupational Medicine and Public Health, including but not limited to:

- Occupational hazards and risk assessment
- Work-related musculoskeletal and respiratory disorders
- Occupational exposure to chemicals and pesticides
- Workplace safety and injury prevention
- Occupational health policies and worker productivity

PUBLICATIONS

1- Reproductive and thyroid hormones among male agricultural workers exposed to pesticides.

Hassan, O. M., & Metwally, E. S. (2013). Reproductive and Thyroid Hormones among Male Agricultural Workers Exposed to Pesticides. *The Egyptian Journal of Community Medicine*, 31(4), 1–16. <https://doi.org/10.12816/0011923>

2- Motor vehicle crashes. Attitudes of the motorcyclist. Regarding riders experience and safety measures.

Shaker, R. H., Eldesouky, R. S., Hasan, O. M., & Bayomy, H. (2014). Motorcycle crashes: Attitudes of the motorcyclists regarding riders' experience and safety measures. *Journal of Community Health*, 39(6), 1222–1230.

3- Impact of diabetes mellitus on work productivity in construction industry.

H, W., OM, H., RS, E., SM, A. W., & MM, I. (2016). IMPACT OF DIABETES MELLITUS ON WORK PRODUCTIVITY IN CONSTRUCTION INDUSTRY. *Egyptian Journal of Occupational Medicine*, 40(1), 129-143. doi: 10.21608/ejom.2016.836

4- Occupational, respiratory and muscular skeleton symptoms among Egyptian female hairdressers.

Hassan, O. M., & Bayomy, H. (2015). Occupational Respiratory and Musculoskeletal Symptoms among Egyptian Female Hairdressers. *Journal of Community Health*, 40(4), 670–679. <https://doi.org/10.1007/s10900-014-9983-y>

5- Risk assessment of otitis media in infants and young children.

Eldesouky, Rasha. (2012). Risk assessment of otitis media in infants and young children. *Journal of American Science*. 8.

6- Prevalence of bronchial asthma and its relation with obesity among preparatory and secondary school students in Benha City, Qalyobia Governorate.

Elawady, Mona & Hassan, Omyma & El-Awady, Mona. (2013). Prevalence Of Bronchial Asthma And Its Relation With Obesity Among Preparatory And Secondary School Students In Benha City, Qalyobia Governorate.

7- Prevalence of depressive symptoms and associated factors among Benha Faculty of Medicine students.

User, S. (2014, October 22). *Prevalence of Depressive Symptoms and Associated Factors among Benha Faculty of Medicine Students*. <https://www.medicaljournalofcairouniversity.net/index.php/2014-10-22-23-17-22/vol-82-june-2014/1374-prevalence-of-depressive-symptoms-and-associated-factors-among-benha-faculty-of-medicine-students>

8- Association between job stress and job satisfaction among physicians in Benha major hospitals, Kaliobia governorate.

OM, H., & SF, A. (2015). ASSOCIATION BETWEEN JOB STRESS AND JOB SATISFACTION AMONG PHYSICIANS IN BANHA MAJOR HOSPITALS, KALIOBIA GOVERNORATE. *Egyptian Journal of Occupational Medicine*, 39(2), 177-194. doi: 10.21608/ejom.2015.820

9- Work schedule and substance abuse in vocational students.

Soliman, S. S., Allam, H. K., Habib, N. M., Abdallah, A. R., & Hassan, O. M. (2021). Work schedule and substance abuse in vocational students. *Journal of Public Health Research*, 11(1). <https://doi.org/10.4081/jphr.2021.2395>

10- Serum Nitren-1 and Asymmetric Dimethylarginine as biomarkers of acute and chronic carbon monoxide poisoning.

Metwally, E., Hassan, O., & Madboly, A. (2021). Serum Netrin-1 and Asymmetric Dimethylarginine as Biomarkers of Acute and Chronic Carbon Monoxide Poisoning. *Mansoura Journal of Forensic Medicine and Clinical Toxicology*, 29(1), 1-16. doi: 10.21608/mjfmc.2020.34651.1020

11- Cardiovascular risk and hearing threshold levels on disk jockey workers.

M, H., & M, E. (2020). Cardiovascular Risk and Hearing Threshold Levels on Disc Jockey Workers. *Egyptian Journal of Occupational Medicine*, 44(2), 633-648. doi: 10.21608/ejom.2020.109600

12- Adverse dermatologic and respiratory health problems among street sweepers workers, a comparative study.

O, H., H, A., E, A., & N, F. (2019). ADVERSE DERMATOLOGIC AND RESPIRATORY HEALTH PROBLEMS AMONG STREET SWEEPER'S WORKERS: A COMPARATIVE STUDY. *Egyptian Journal of Occupational Medicine*, 43(1), 111-127. doi: 10.21608/ejom.2019.25126

13- Sleep quality and its determinants among nurses during COVID-19 pandemic.

I, O., M, H., & M, H. (2022). SLEEP QUALITY AND ITS DETERMINANTS AMONG NURSES DURING COVID- 19 PANDEMIC. *Egyptian Journal of Occupational Medicine*, 46(1), 75-92. doi: 10.21608/ejom.2021.82911.1239

14- Governance indicators in Nursing Faculty, Benha University.

Shoulah, A. S., Salem, S. A., Hassen, H. A. A., Abd El-Hamid, H. S., & Hassen, O. M. (2021). Governance: Governance Indicators in Nursing Faculty, Benha University. *The Egyptian Journal of Hospital Medicine*, 82(2), 199-204. doi: 10.21608/ejhm.2021.140435

15- Occupational hazard risk assessment of nurses working and operating room.

A, Saleh & Wali, Halgurd & M, Hassan & Bayomy, Hanaa & Nabil, Niusha. (2020). Occupational Hazards Risk Assessment of Nurses Working in Operating Rooms. Egyptian Journal of Occupational Medicine. 44. 793-808. 10.21608/ejom.2020.118360.

16- Occupational pesticides intoxication among agricultural workers.

Saleh, M. A., El far, H. E. S., Hassan, O. M., AbdElRaouf, M. S. E., & Ali, S. A. E. (2020). Occupational Pesticides Intoxication among Agricultural Workers. The Egyptian Journal of Hospital Medicine, 81(5), 1916-1923. doi: 10.21608/ejhm.2020.122712

RESEARCH PROJECTS SUPERVISION & MENTORSHIP

- 1. Patterns of work related musculoskeletal disorders among hospital workers in Benha University.**
(March 2021)
- 2. Occupational hazards of pesticide exposure among agricultural workers in Kafr Shukr district.**
(March 2021)
- 3. Governance and healthcare quality in Benha University Nursing Faculty.**
(March 2021)
- 4. Assessment of health related quality of life in asthmatic children and their caregivers.**
(January 2017)
- 5. Assessment of occupational hazards in the operating room on intraoperative nurses in Benha University Hospital.**
(March 2017)
- 6. Assessment of functional time disability among population in rural area in Qalyoubia Governorate.**
(June 2018)

TEACHING & DIDACTIC ACTIVITIES

- ◆ Over 20 years of teaching experience in undergraduate and postgraduate medical education.
- ◆ Active involvement in delivering lectures, tutorials, seminars, and practical training sessions in Public Health, Community Medicine, and Occupational Medicine.
- ❖ **In the role of Head of the Department:**
responsible for:
 - ◆ Coordinating the undergraduate curriculum in Public Health and Community Medicine for medical students.
 - ◆ Overseeing and organizing postgraduate teaching programs in Public Health and Community Medicine for residents and trainees from subsidiary clinical specialties, including:
 - Obstetrics and Gynecology
 - Otorhinolaryngology (ENT)
 - Chest Diseases
 - Internal Medicine
 - Surgery
 - Pediatrics
 - Other affiliated clinical disciplines