

Dr. Marwa mohammed Ibrahim Ghallab



*Medical Parasitology department faculty of Medicine,
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📅 January 15th, 1984

📍 kafar alshaykh hayi qaba' burj saba

👤 Married (has three children)

🎓 EDUCATIONAL HISTORY

- **2023 – Present:** Master degree of Medical Education - Ain Shams University
- **2023:** Fellowship in Medical Education: Foundation for Advancement of International Medical Education and Research, MENA-FRI: Middle East North Africa, FAIMER regional institute, Ain Shams University, Cairo, Egypt
- **2020:** Advanced Professional Embryology Certification Program (APEC), Banha University, Cairo, Egypt
- **2019:** Diploma in clinical Nutrition, National Institute of health, Cairo, Egypt
- **2018 – 2019:** Diploma in hospital management, Faculty of Commerce, Kafrelsheikh University, Egypt
- **2013 – 2017:** MD degree in Medical Parasitology
- **2010 – 2013:** Master of basic medical science (MSc) in Medical Parasitology, Medical parasitology department, faculty of Medicine, Kasr Al Ainy school of Medicine, Cairo, Egypt
- **2000 – 2006:** Bachelor of Medicine, Bachelor of Surgery (M.B.B.Ch ☺), Faculty of Medicine, Kasr Al Ainy school of Medicine, Cairo, Egypt

📁 WORKING EXPERIENCE

- **4th October 2022 – Present:** Associate professor of Medical Parasitology, Faculty of Medicine, Kafrelsheikh University
- **September 2017 – October 2022:** Lecturer of Medical Parasitology, Faculty of Medicine, Kafrelsheikh University
- **March 2014 – September 2017:** Assistant lecturer of Medical Parasitology, Kafrelsheikh University, faculty of medicine
- **December 2013 – March 2014:** Demonstrator of Medical Parasitology, Kafrelsheikh University, faculty of medicine
- **June 2010 – December 2013:** Demonstrator of Medical Parasitology, Faculty of Medicine, Kasr Al Ainy school of Medicine
- **March 2008 – June 2010:** General practitioner, Kafrelsheikh general hospital, Ministry of health

🏢 ADMINISTRATIVE POSITIONS

- **2015 – Present:** Responsible for program and academic standard in Quality assurance Unit team

- **26th March 2020 – Present:** Director of Medical Education Unit, Kafrelsheikh University, Faculty of Medicine, Egypt
- **6th November 2022 – Present:** Head of Medical Parasitology department, Kafrelsheikh University, Faculty of Medicine, Egypt
- **27th August 2023 – Present:** Director of Management, Evaluation and E-Exam center, Kafrelsheikh University



TEACHING EXPERIENCE

- Teaching Medical Parasitology undergraduate students, Faculty of Medicine
- Teaching of Medical Parasitology postgraduate students, Faculty of Medicine
- Teaching Medical Parasitology undergraduate students, Faculty of Nursing
- Teaching hospital management undergraduate students, Faculty of Medicine
- Teaching of Medical education undergraduate students, Faculty of Medicine
- Teaching of communication skills undergraduate students, Faculty of Medicine



ATTENDED TRAINING PROGRAMS

- **1st January – 30th March 2013:** Bright field microscopy: handling, calibration & accurate measuring, Kasr Al Ainy school of Medicine, Cairo, Egypt
- **18th December 2012 – 20th March 2013:** Molecular medical parasitology, Kasr Al Ainy school of Medicine, Cairo, Egypt
- **15th January – 25th March 2014:** Stool & urine analysis, Kasr Al Ainy school of Medicine, Cairo, Egypt
- **5th March – 16th July 2018:** Basic certificate of medical education, MEDC, Faculty of Medicine- Cairo University, Egypt
- **April – December 2018:** Teaching excellence in Egyptian medical education, Egyptian knowledge bank, Supreme council of universities and military medical academy
- **2020:** Advanced Professional Embryology Training Program, Evidence Based Women's Health Society, Egyptian Society of Embryology and Assisted Reproduction and Banha University Obour Campus
- **27th February – 2nd April 2022:** International Standard for Governance Management Systems IS 37000-2021
- **10th March – 7th April 2022:** International Standard for Quality Management Systems 2015-ISO
- **22nd June – 21st July 2022:** The International Standard for Innovation Management Systems 2019-I
- **22nd – 27th October 2022:** The educational course for strategic studies and national security no (82), National defense college, Nasser Higher Military Academy
- **December 2022 – May 2023:** Clinical teaching and assessment in Medical Education, Ministry of Higher Education, Supreme council of Universities and Egyptian Knowledge bank
- **10th – 12th October 2023:** Anti-corruption and governance, administrative oversight, National Anti-Corruption Academy
- **18th – 24th October 2023:** Training of trainers (TOT), National institute of Governance and sustainable development
- **5th – 6th July 2024:** MAWADA, Ministry of Social Solidarity and Ministry of higher education
- **2nd – 3rd December 2024:** Competency based Medical Education, Manchester- Mansoura, Faculty development program, Mansoura, Egypt

WORKSHOPS ATTENDED

- **12th March 2012:** Organizer: Lab diagnosis of intestinal protozoa (oo) cysts: Updated faecal microscopy, Kasr Al Ainy, Cairo
- **26th May 2012:** Organizer: Copro-DNA extraction & its implementation: Genetic Faecal biomarker, Kasr Al Ainy, Cairo
- **13th – 14th October 2012:** Organizer: Nested PCR-RFLP/ Molecular identification of Protozoa genotypes, Kasr Al Ainy, Cairo
- **22nd – 23rd December 2012:** Attendance: Biomedical statistics (Basic level), Kasr Al Ainy, Cairo
- **16th April 2013:** Organizer: Faecal examination for successful identification of Helminthic diagnostic stages, Kasr Al Ainy, Cairo
- **15th – 16th June 2013:** Organizer: PCR for blood parasites, Kasr Al Ainy, Cairo
- **27th August 2014:** Attendance: Educational program specification, Quality assurance center, Kafrelsheikh University
- **29th November 2014:** Attendance: PCR primers design, Kasr Al Ainy, Cairo
- **29th November 2014:** Attendance: Sequence to phylogeny, Kasr Al Ainy, Cairo
- **13th March 2019:** Attended: knowledge-based assessment: Best practice in item writing, Medical Military academy, Cairo
- **14th – 15th March 2019:** Attended: Advanced knowledge-based assessment: Validity and QA, Medical Military academy, Cairo
- **22nd September 2019:** Attended: teaching excellence in Medical Education; Delivering a programmatic assessment in Medical Education, Medical Military academy
- **23rd – 24th September 2019:** Attended: teaching excellence in Medical Education; OSCE/ OSPE assessment design and implementation in Egypt, Medical Military academy
- **19th November 2020:** Attended: Experience-Based Learning in the Clinical Environment
- **11th December 2020:** Attended: Role of Pathology & election microscopy in medical practice
- **11th December 2020:** Attended: new trends in Parasitology, environmental research and Malacology
- **12th December 2020:** Attended: recent advances in nanotechnology and drug discovery
- **12th December 2020:** Attended: Liver diseases in special situation
- **12th December 2020:** Attended: Recent research in molecular biology and tissue engineering
- **12th December 2020:** Attended: Advanced kidney care
- **15th February 2021:** Attended: educational management challenges and tools, Ain Shams University
- **25th April 2021:** Attended: Medical sector assessment, Measurement and Assessment center
- **20th – 21st September 2023:** Attended: Strategic Planning for Colleges and Institutes of Higher Education, NAQAAE
- **24th – 26th September 2023:** Attended: Self-assessment for Colleges and Institutes of Higher Education, NAQAAE
- **1st – 2nd October 2023:** Attended: Program and Course specification for Colleges and Institutes of Higher Education, NAQAAE
- **4th – 5th October 2023:** Attended: Teaching and Effective Learning Strategies for Colleges and Institutes of Higher Education, NAQAAE
- **4th – 5th October 2023:** Attended: Evaluation Systems and Student Assessment for Colleges and Institutes of Higher Education, NAQAAE
- **13th – 15th February 2024:** Attended: External review for Colleges and Institutes of Higher Education, NAQAAE
- **15th June 2024:** Attended: Identification of Parasites In Tissue Specimens, Kasr Al-Ainy School of Medicine

- **24th June 2024:** Attended: Highlights of parasitological infections, Kasr Al-Ainy School of Medicine

ATTENDED CONFERENCES

- **10th – 11th October 2012:** Attendance: 3rd conference of Egyptian Parasitologists united society, WHO association, Cairo
- **13th – 15th April 2013:** Speaker: 24th annual conference of the Egyptian society of laboratory Medicine – ESLM 2013, Cairo
- **15th – 16th November 2014:** Participant: 4th conference of Egyptian Parasitologists united
- **29th December 2016:** Coordinator: 40th Annual international conference of Egyptian society of Histology and Cytology
- **24th – 25th March 2018:** Participant: 5th conference of Egyptian Parasitologists united
- **1st – 3rd October 2018:** Attended: 1st Banha faculty of Medicine Quality Conference
- **20th February 2020:** Organizer: 1st Faculty conference: Kafrelsheikh Medicine: Achievements and Future goals
- **10th – 12th December 2020:** Attended: TBRI 2020 Virtual Annual Conference
- **1st – 2nd April 2021:** Attended: Nutrition to support “The 100 million healthy lives initiatives”
- **6th – 8th April 2021:** Attended: 9th annual Ain Shams University international conference
- **25th March 2022:** Organizer and speaker: 2nd Faculty conference: Kafrelsheikh health care services growth
- **30th – 31st March 2022:** Attended: 1st international medical education conference, SCUIMEC, Suez Canal University
- **4th – 7th July 2023:** Attended: 10th international conference, Faculty of Medicine, Tanta University
- **13th – 14th October 2023:** Attended: VIth Conference of Egyptian parasitologists united society
- **21st October 2023:** Attended: Mansoura Medical Parasitology Conference “Parasitology Update”
- **24th – 25th April 2024:** Attended: 1st annual international conference for application of Artificial intelligence in health care, Suez Canal University

ABSTRACT & PUBLICATIONS

- Molecular identification and copro-prevalence of *Cryptosporidium* species in Egyptian children. MMI Ghallab. Cairo University (2013).
- Laboratory utility of coproscopy, copro immunoassays and copro nPCR assay targeting Hsp90 gene for detection of *Cryptosporidium* in children. *Journal of Parasitic Diseases* 40 (3), 901-905 (2016).
- *Cryptosporidium* genotypes and associated risk factors in a cohort of Egyptian children. *Comparative Clinical Pathology* 26 (5), 1017-1021 (2017).
- High-resolution Melting Curve (HRM) analysis in genotypic discrimination of *Cryptosporidium* isolates from stool of Egyptian children. *Journal of the Egyptian Society of Parasitology* 48 (3), 557-562 (2019).
- *Helicobacter pylori* co-infected with common intestinal Protozoa in gastrointestinal symptomatic patients. *Journal of the Egyptian Society of Parasitology* 50 (2), 390-393 (2020).
- Impact of risk factors on the epidemiological prevalence of *Giardia lamblia* assemblages in kafrelsheikh governorate. *Journal of the Egyptian Society of Parasitology* 50 (3), 575- 579 (2020).
- Therapeutic effect of chitosan nanoparticles and metronidazole in treatment of experimentally giardiasis infected hamsters. *Iranian Journal of Parasitology* 16 (1), 32 (2021).
- Multiattribute analysis of *Trichomonas vaginalis* diagnostics and its correlation with clinical complaints and contraceptive methods. *Infectious Diseases in Obstetrics and Gynecology* (2021).

- Seroprevalence of *Toxoplasma gondii* in schizophrenic patients versus healthy individuals and impact on human serum dopamine level. *Journal of the Egyptian Society of Parasitology* 51 (2), 365-370 (2021).
- Evaluation of *Annona muricata* (Graviola) leaves activity against experimental trichinellosis. *J Helminthology* 95 (2021).
- Association between molecularly detected *Entamoeba* species and fecal calprotectin level among diarrheic patients. *Parasitologists United Journal* 15 (1), 86-91 (2022).
- Cryptosporidiosis: molecular analysis, risk factors and seasonal abundance in immunocompetent and immunocompromised patients. *Journal of the Egyptian Society of Parasitology* 52 (1), 117-122 (2022).
- *Pentatrachomonas hominis* and other intestinal parasites in school-aged children: coproscopic survey. *Journal of Parasitic Diseases* 46 (3), 896-900 (2022).
- Genotype diversity, phylogenetic analysis and seasonality of isolates of *Acanthamoeba* spp. in swimming pools in Kafrelsheikh. *Folia Parasitologica* 69, 1-5 (2022).
- Prevalence and influencing factors of self-medication during the COVID-19 pandemic in the Arab region. *BMC public health* 23 (1), 1-11 (2023).
- Efficacy of Nitazoxanide, Nitazoxanide-Garlic Combination and Tinidazole in Treatment of *Giardia duodenalis* and *Blastocystis hominis*. *Iranian Journal of Parasitology* 18 (1), 48-55 (2023).
- Biochemical and Microbiological Interactions of Molecularly Detected *Blastocystis hominis*. *Parasitologists United Journal* 16 (3), 183-191 (2023).
- *Annona muricata* Leaf as an Anti-Cryptosporidial Agent: An In Silico Molecular Docking Analysis and In Vivo Studies. *Pharmaceuticals* 16(6):878 (2023).
- Opportunistic protozoa coinfecting with *Helicobacter pylori* among Egyptian diabetic patients. *Parasitologists United Journal* 54 (1), 103-108 (2024).
- Microscopy detection and molecular characterization of *Giardia duodenalis* infection in outpatients seeking medical care in Egypt. *Frontiers in Public Health* 12, 1377123 (2024).
- *Toxoplasma gondii* in dromedary camels in Egypt: a comparative seroepidemiological study in Upper and Lower Egypt. *Frontiers in Veterinary Science* 11 (2024/2025).
- First microscopic and molecular identification of *Cryptosporidium* spp. in fat sand rats (*Psammomys obesus*) in Egypt. *Frontiers in Veterinary Science* 11, 1488508 (2024).
- Maladaptive personality traits (DSM-5 AMPD, Criterion B) and depression among medical students in Egypt. *BMC psychology* 13(1), 482 (2024).
- A New Case of Bancroftian Filariasis after Years since Validation of Successful Elimination in Egypt. *Benha Medical Journal* 24(8), 108-116 (2024).
- Stressors and coping strategies among Egyptian medical students under the integrated curriculum. *BMC Med Educ* 26, 118 (2026).
- Glycogen content and expression of CD10 and α -SMA in the microenvironment of viable human hepatic hydatid cysts. *Gut Pathog* (2026).
- Public attitudes and practices toward using AI chatbots for healthcare assistance: a multinational cross-sectional study. *BMC Health Serv Res* 26, 335 (2026).

THESIS SUPERVISION

- Assessment of the therapeutic effect of chitosan nanoparticles in treatment of giardiasis in experimentally infected hamsters (Master thesis, Zagazik University, 2019).
- Assessment of lymphatic filariasis transmission in alkorain village, sharqia, Egypt (MD thesis, Banha University).
- Therapeutic efficacy of recombinant cecropin B peptide in treating experimental trichinellosis (Master thesis, Kafrelsheikh University).

- Recombinant cecropin B peptide efficacy on cryptosporidiosis in infected mice (Master thesis, Kafrelsheikh University).
- Investigating the potential effect of niclosamide against *Blastocystis* species.



THESIS DEFENSE

Seroprevalence of *Toxoplasma gondii* among hemodialysis patients in Qalyubia governorate, Egypt.



PEER REVIEWS

- *Cystoisospora belli* infection in a renal transplant recipient, *JIDC* (2020).
- Right Thigh Hydatid Cyst In a 9-Year-Old Girl, *JIDC* (2021).
- Pollution of Nile River water at some Greater Cairo stations, *Int. J. Environ. Stud.* (2021).
- Microbial profile in pregnant women with *T. vaginalis* and *C. trachomatis*, *IDOG* (2021).
- Diagnosing trichomoniasis in female patients in Peru, *J. Parasitol. Res.* (2023).
- *Toxoplasma gondii* and neurotransmitter levels in major depressive disorder, *J. Parasitol. Res.* (2024).
- Antiprotozoal Activity of Quinoxaline-1,4-di-N-oxide Derivatives, *J. Enzyme Inhib. Med. Chem.* (2024).
- Genetic Diversity and Population Dynamics of *Clinostomum* spp., *Vet. Med. Int.* (2024).



References

Prof. Dr Ayman A. El-Badry, M.D,

Prof of Medical Parasitology & Lab consultant (King Fahad Hospital of the University),

Department of Microbiology, College of Medicine, Imam Abdulrahman Bin Faisal University

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