



# CURRICULUM VITAE

of

## RASHAD ABDUL-GHANI, BMLSc, MPH, PhD

### PERSONAL & CONTACT INFORMATION

<b>Name</b>	Rashad ABDUL-GHANI
<b>Place and date of birth</b>	Lahj, Yemen - 1976
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<b>Links to websites</b>	<a href="#">ORCID</a> <a href="#">Scopus</a> <a href="#">Web of Science</a> <a href="#">ResearchGate</a> <a href="#">Google Scholar</a>
<b>Web of Science Researcher ID</b>	N-3289-2013

### EDUCATION

- 2011–14** • **PhD in Applied and Molecular Parasitology**, Medical Research Institute, Alexandria University, Egypt
- 2007–10** • **Master of Public Health**, High Institute of Public Health, Alexandria University, Alexandria, Egypt
- 1994–98** • **Bachelor of Medical Laboratory Sciences “BMLSc” (First Class Honors)**, Faculty of Medicine and Health Sciences, Sana'a University, Sana'a, Yemen

### ACADEMIC CAREER

- 2020 --** • **Associate Professor**, Department of Medical Parasitology, Faculty of Medicine and Health Sciences, Sana'a University
- 2014–19** • **Assistant Professor**, Department of Medical Parasitology, Faculty of Medicine and Health Sciences, Sana'a University
- 2011–14** • **PhD scholarship**, Medical Research Institute, Alexandria University
- 2007–10** • **Master scholarship**, High Institute of Public Health, Alexandria University
- 2000–07** • **Demonstrator**, Department of Medical Parasitology, Faculty of Medicine and Health Sciences, Sana'a University
- 1998–99** • **Six-month internship** in Medical Laboratory Technology (Hematology, Clinical Chemistry, Serology, Blood Banking, Parasitology, Microbiology) at Kuwait University Hospital, Sana'a University (October to May)

### PEER-REVIEWED JOURNAL ARTICLES

- 2023**
  1. Adam M, Nahzat S, Kakar Q, Assada M, Witkowski B, Tag Eldin Elshafie A, ....., **Abdul-Ghani R**, et al. Antimalarial drug efficacy and resistance in malaria-endemic countries in HANMAT-PIAM\_net countries of the Eastern Mediterranean Region 2016–2020: Clinical and genetic studies. Trop Med Int Health. 2023 Sep 13. [Link](#)
  2. Al-Mikhlaify AA, Al Karawani M, **Abdul-Ghani R**, Alsubol I, Al-Awadi AA, Nassar MY. COVID-19 vaccine acceptability and hesitancy among healthcare workers in Sana'a City, Yemen. East Mediterr Health J. 2023;29 (in press). [Link](#)
  3. da Silva CFA, Virgúez E, Eker S, Zdenek CN, Bergh C, Gerarduzzi C, Ge Y, Klinger M, Allareddy V, Hoots E, Henriquez T, Waiho K, D'Ippoliti C, Al Harraq A, Xu H, Zou J, Xia Y, **Abdul-Ghani R**, Chugh M. The future of scientific societies. Science. 2023;380(6640):30-32. [Link](#)
  4. Saleh AG, Shehab AY, **Abdul-Ghani R**, Allam AF, Osman MM, Ibrahim HS, El-Taweel HA, Moneer EA, Hagra NA, Farag HF. Key cytokines and hematological parameters in patients with uncomplicated falciparum malaria in Hodeidah, Yemen. Cytokine. 2023;164:156156. [Link](#)
- 2022**
  5. Al-Quhaiti MAA, **Abdul-Ghani R**, Mahdy MAK, Assada MA. Malaria among under-five children in rural communities of Al-Mahweet governorate, Yemen. Malar J. 2022;21:344. [Link](#)
  6. **Abdul-Ghani R**, Al-Brhami KAR, Baalawi AKM, Khodeif AAM, Al-Washali AAY, Abo-Hadi AHY, et al. Intestinal parasitic infections among type-2 diabetics seeking healthcare in Sana'a city, Yemen. Ann Parasitol. 2022;68(4):673-83. [Link](#)
  7. Al-Azazi AA, **Abdul-Ghani R**, El-Sayad MH, Sadek NA, El-Taweel HA. Levels of serum ferritin and hepcidin in patients with uncomplicated falciparum malaria in Hodeidah, Yemen: Considerations for assessing iron status. Hemoglobin. 2022;46(2):100-5. [Link](#)
  8. Al-Brhami KA, **Abdul-Ghani R**, Al-Qobati SA. Intestinal microsporidiosis among HIV/AIDS patients receiving antiretroviral therapy in Sana'a city, Yemen: first report on prevalence and predictors. BMC Infect Dis. 2022;22(1):1-10. [Link](#)
  9. Al-Awadi AA, **Abdul-Ghani R**, Al-Mekhlafi AM. Toxoplasma gondii Infection Among Institutionalized Children with Down syndrome in Sana'a city, Yemen: Implications of Low IgG Seroprevalence. Acta Parasitol. 2021:1-5. [Link](#)

- 2021**
- Abdul-Ghani R**, Mahdy MAK, Alkubati S, Al-Mikhlaflay AA, Alhariri A, Das M, Dave K, Gil-Cuesta J. Malaria and dengue in Hodeidah city, Yemen: high proportion of febrile outpatients with dengue or malaria, but low proportion co-infected. PLOS ONE. 2021;16(6):1–15. [Link](#)
  - Elkhalifa AME, **Abdul-Ghani R**, Tamomh AG, Eltaher NE, Ali NY, Ali MM, Bazie EA, KhirAlla; Fatin DfaAlla A, Alhasan OAM. Hematological indices and abnormalities among patients with uncomplicated falciparum malaria in Kosti city of the White Nile State, Sudan: a comparative study. BMC Infect Dis. 2021;21(1):507. [Link](#)
- 2020**
- Abdul-Ghani R**, Fouque F, Mahdy MA, Zhong Q, Al-Eryani SM, Alkwri A, Beier JC. Multisectoral approach to address chikungunya outbreaks driven by human mobility: a systematic review and meta-analysis. J Infect Dis. 2020;222:S709–16. [Link](#)
  - Alwajeeh TS, **Abdul-Ghani R**, Allam AF, Farag HF, Khalil SSM, Shehab AY, et al. Uncomplicated falciparum malaria among schoolchildren in Bajil district of Hodeidah governorate, west of Yemen: Association with anaemia and underweight. Malar J. 2020;19(1):1. [Link](#)
- 2019**
- Abdul-Aziz M, Mahdy MAK, **Abdul-Ghani R**, Alhilali NA, Al-Mujahed LKA, Alabsi SA, Al-Shawish FAM, Alsarari NJM, Bamashmos W, Abdulwali SJH, Al Karawani M, Almikhlaflay AA. Bacterial vaginosis, vulvovaginal candidiasis and trichomonal vaginitis among reproductive-aged women seeking primary healthcare in Sana'a city, Yemen. BMC Infect Dis. 2019;19(1):879. [Link](#)
  - Abdul-Ghani R**, Mahdy MAK, Al-Eryani SMA, Fouque F, Lenhart AE, Alkwri A, Al-Mikhlaflay AM, Wilke ABB, Thabet AAQ, Beier JC. Impact of population displacement and forced movements on the transmission and outbreaks of Aedes-borne viral diseases: Dengue as a model. Acta Trop. 2019;197:105066. [Link](#)
  - Kumar B, Jensen MM, Strielkowski W, Johnston JT, Sharma V, Dandara C, Shehata MM, Struett MM, Nikolaou A, Szymanski DW, **Abdul-Ghani R**, Cao B, Varzinczak LH, Kerman BE, Arthur PK, Oda FS, Bohon W, Ellwanger JH, Tyner S, Jordan EJ, Murphy C. NextGen Voices: Science-inspired sustainable behavior. Science. 2019;364(6443):822824. [Link](#)
  - Shehata AI, Hassanein F, **Abdul-Ghani R**. Opportunistic parasitoses among Egyptian hemodialysis patients in relation to CD4+ T-cell counts: a comparative study. BMC Infect Dis. 2019;19(1):480. [Link](#)
  - Abdul-Ghani R**, Al-Nahari A, Yousef A, Al-Haj A, Aqlan A, Jaadan E, Barood H, Al-Dubai N, Sharaf N. *Toxoplasma gondii* infection in relation to pregnancy characteristics and bad obstetric history among pregnant women seeking healthcare in Sana'a city, Yemen. Yemeni J Med Sci. 2019;13(1):10–22. [Link](#)
- 2018**
- Abdul-Ghani R**. Fascioliasis in Yemen: A Long Track of Neglect despite Reports of Existence. Yemeni J Med Sci. 2018;12(1):1–4. [Link](#)
  - Allam AF, Farag HF, Osman MM, Hagraas NA, Ahmed MAR, Zaki A, **Abdul-Ghani R**, Shehab AY. Progress towards schistosomiasis elimination: application of sensitive diagnostic techniques. Prim Health Care 2018; 8: 305. [Link](#)
  - Mahdy MAK, **Abdul-Ghani R**, Abdulrahman TAA, Al-Eryani SMA, Al-Mekhlaflay AM, Alhaidari SAA, et al. *Onchocerca volvulus* infection in Tihama region - west of Yemen: Continuing transmission in ivermectin-targeted endemic foci and unveiled endemicity in districts with previously unknown status. PLoS Negl Trop Dis. 2018 12(3): e0006329. [Link](#)
  - Azazy AA, Alhawery AJ, **Abdul-Ghani R**, Alharbi RA, Almalki SSR. Evaluation of rapid PfHRP-2/pLDH-based tests in diagnosing microscopy-confirmed falciparum malaria in Hodeidah governorate, Yemen. Acta Trop. 2018;178C:252-7. [Link](#)
- 2017**
- Hassanein FI, Shehata AI, **Abdul-Ghani R**. *G. lamblia* and *H. pylori* infections among mentally challenged individuals in rehabilitation centers in Alexandria, Egypt. J Infect Dev Ctries. 2017;11(7):577–82. [Link](#)
  - Al-Eryani SM, Mahdy MA, Al-Mekhlaflay AM, **Abdul-Ghani R**. Access to and use of long-lasting insecticidal nets and factors associated with non-use among communities in malaria-endemic areas of Al Hudaydah governorate in the Tihama region, west of Yemen. Malar J. 2017;16:244. [Link](#)
  - Mahdy MA, Alareqi LM, **Abdul-Ghani R**, Al-Eryani SM, Al-Mikhlaflay AA, Al-Mekhlaflay AM, et al. A community-based survey of *Toxoplasma gondii* infection among pregnant women in rural areas of Taiz governorate, Yemen: the risk of waterborne transmission. Infect Dis Poverty. 2017;13;6(1):26. [Link](#)
  - Abdul-Ghani R**, Mahdy MA, Beier JC, Basco LK. Hidden reservoir of resistant parasites: the missing link in the elimination of falciparum malaria. Infect Dis Poverty 2017;6;6(1):12. [Link](#)

- 2016**
- Abdul-Ghani R.** Combat against neglected parasitic diseases in Yemen: The need for mapping as a prerequisite for elimination. *Yemeni J Med Sci.* 2016;10:1–5. [Link](#)
  - Alyousefi TA, **Abdul-Ghani R**, Mahdy MA, Al-Eryani SM, Al-Mekhlafi AM, Raja YA, Shah SA, Beier JC. A household-based survey of knowledge, attitudes and practices towards dengue fever among local urban communities in Taiz Governorate, Yemen. *BMC Infect Dis.* 2016; 16(1):543. [Link](#)
  - Al-Mekhlafi AM, **Abdul-Ghani R**, Al-Eryani SM, Saif-Ali R, Mahdy MAK. School-based prevalence of intestinal parasitic infections and associated risk factors in rural communities of Sana'a, Yemen. *Acta Trop.* 2016; 133: 162–41. [Link](#)
  - Abdul-Ghani R**, Mahdy MAK, Beier JC. Onchocerciasis in Yemen: Time to take action against a neglected tropical parasite. *Acta Trop.* 2016; 162:133–41. [Link](#)
  - Abdul-Ghani R**, Mahdy MAK, Saif-Ali R, Alkubati SA, Alqubaty AR, Al-Mikhlaify AA, Al-Eryani SM, Al-Mekhlafi AM, Alhaj A. Glucose-6-phosphate dehydrogenase deficiency among Yemeni children residing in malaria-endemic areas of Hodeidah governorate and evaluation of a rapid diagnostic test for its detection. *Malar J.* 2016;15:327. [Link](#)
  - Alareqi LM, Mahdy MAK, Lau Y-L, Fong M-Y, **Abdul-Ghani R**, Mahmud R. Molecular markers associated with resistance to commonly used antimalarial drugs among *Plasmodium falciparum* isolates from a malaria-endemic area in Taiz governorate, Yemen during the transmission season. *Acta Trop.* 2016;162:174–9. [Link](#)
  - Mahdy MA, Al-Mikhlaify AMK, **Abdul-Ghani R**, Saif-Ali R, Al-Mekhlafi HM, Al-Eryani SM, Lim YA, Mahmud R. First molecular characterization of *Leishmania* species causing visceral leishmaniasis among children in Yemen. *PLoS One* 2016;11(3):e0151265. [Link](#)
  - Shehata AI, Hassanein FI, **Abdul-Ghani R**. Seroprevalence of *Toxoplasma gondii* infection among patients with non-schizophrenic neurodevelopmental disorders in Alexandria, Egypt. *Acta Trop.* 2016; 154 (2): 155–9. [Link](#)
- 
- 2015**
- Abdul-Ghani R.** Malaria research priorities in Yemen: paving the way for malaria elimination. *Yemeni J Med Sci.* 2015;9:1–5. [Link](#)
  - Abdul-Ghani R**, Basco LK, Beier JC, Mahdy MAK. Inclusion of gametocyte parameters in anti-malarial drug efficacy studies: filling a neglected gap needed for malaria elimination. *Malar J.* 2015;14(1):413. [Link](#)
  - Allam AF, Farag HF, Zaki A, Kader OA, **Abdul-Ghani R**, Shehab AY. Detection of low-intensity *Schistosoma mansoni* infection by Percoll sedimentation and real-time PCR techniques in a low-endemicity Egyptian setting. *Trop Med Int Health* 2015; 20(5):658-64. [Link](#)
  - Abdul-Ghani R.** Towards e-parasitology: making use of virtual microscopy. *Trop Med Int Health* 2015;20(2):227–9. [Link](#)
- 
- 2014**
- Abdul-Ghani R**, Beier JC. Strategic use of antimalarial drugs that block falciparum malaria parasite transmission to mosquitoes to achieve local malaria elimination. *Parasitol Res.* 2014;113(10):3535-46. [Link](#)
  - Abdul-Ghani R.** Towards rapid genotyping of malaria parasites: could loop-mediated isothermal amplification be the solution? *Malar J.* 2014;13:237. [Link](#)
  - Abdul-Ghani R**, Al-Maktari MT, Al-Shibani LA, Allam AF. A better resolution for integrating methods for monitoring *Plasmodium falciparum* resistance to antimalarial drugs. *Acta Trop.* 2014;137(9):44-57 [Link](#)
  - Abdul-Ghani R**, Farag HF, Allam AF, Azazy AA. Measuring resistant-genotype transmission of malaria parasites: challenges and prospects. *Parasitol Res.* 2014;113(4):1481-7. [Link](#)
  - Abdul-Ghani R**, Farag HF, Allam AF, Shawky SM. Prevailing *Plasmodium falciparum* dihydrofolate reductase 108-asparagine in Hodeidah, Yemen: A questionable sulfadoxine-pyrimethamine partner within the artemisinin-based combination therapy. *Acta Trop.* 2014;132(1):39-44. [Link](#)
- 
- 2013**
- Abdul-Ghani R**, Farag HF, Allam AF, Shawky SM, Al-Mekhlafi AM. Mutant *Plasmodium falciparum* chloroquine resistance transporter in Hodeidah, Yemen: Association with parasitologic indices and treatment-seeking behaviors. *Acta Trop.* 2013;128(3):473-8. [Link](#)
  - Abdul-Ghani R**, Farag HF, Allam AF. Sulfadoxine-pyrimethamine resistance in *Plasmodium falciparum*: a zoomed image at the molecular level within a geographic context. *Acta Trop.* 2013;125(2):163-90. [Link](#)
- 
- 2012**
- Hassan A, Farouk H, Hassanein F, **Abdul-Ghani R**, Abdelhady AH. *Acanthamoeba* contamination of hemodialysis and dental units in Alexandria, Egypt: a neglected potential source of infection. *J Infect Public Health* 2012;5(4):304-10. [Link](#)
  - Hassan A, Farouk H, **Abdul-Ghani R**, Hassanein F. Contamination of irrigation systems of dental units with *Cryptosporidium* species in Alexandria, Egypt: a neglected disinfection pitfall. *Risk Manag Healthc Policy* 2012;5:93-5. [Link](#)
  - Abdul-Ghani R**, Al-Mekhlafi AM, Karanis P. Loop-mediated isothermal amplification (LAMP) for malarial parasites of humans: would it come to clinical reality as a point-of-care test? *Acta Trop.* 2012;122(3):233-40. [Link](#)
  - Abdul-Ghani R**, Al-Mekhlafi AM, Alabsi MS. Microbial control of malaria: biological warfare against the parasite and its vector. *Acta Trop.* 2012; 121(2):71-84. [Link](#)
  - Hassan A, Farouk H, **Abdul-Ghani R**. Parasitological contamination of freshly eaten vegetables collected from local markets in Alexandria, Egypt: A preliminary study. *Food Cont.* 2012;26(2):500-3. [Link](#)

- 2011
1. Hassan A, Farouk H, Hassanein F, **Abdul-Ghani R**. Currency as a potential environmental vehicle for transmitting parasites among food-related workers in Alexandria, Egypt. *Trans R Soc Trop Med Hyg*. 2011;105(9):519-24. [Link](#)
  2. **Abdul-Ghani R**, Loutfy N, Sheta M, Hassan A. Artemether shows promising female schistosomicidal and ovicidal effects on the Egyptian strain of *Schistosoma mansoni* after maturity of infection. *Parasitol Res*. 2011;108(5):1199-205. [Link](#)
  3. **Abdul-Ghani R**. Polymerase chain reaction in the diagnosis of congenital toxoplasmosis: more than two decades of development and evaluation. *Parasitol Res*. 2011;108(3):505-12. [Link](#)
  4. **Abdul-Ghani R**, Loutfy N, Sheta M, Hassan A. Chemotherapeutic efficacy of a natural combination in the treatment of mansonic schistosomiasis: an experimental study. *Res Rep Trop Med* 2011;2:1-7. [Link](#)
- 
- 2010
1. **Abdul-Ghani R**, Loutfy N, Sheta M, Hassan A. Efficacy of low-dose myrrh protocols in the treatment of experimental schistosomiasis mansoni: hepatic improvement without parasitologic cure. *Res Rep Trop Med*. 2010;1:65-71. [Link](#)
  2. **Abdul-Ghani R**, Hassan AA. Murine schistosomiasis as a model for human schistosomiasis mansoni: similarities and discrepancies. *Parasitol Res*. 2010;107(1):1-8. [Link](#)
- 
- 2009
1. **Abdul-Ghani R**, Loutfy N, Hassan A. Experimentally promising antischistosomal drugs: a review of some drug candidates not reaching the clinical use. *Parasitol Res*. 2009;105(4):899-906. [Link](#)
  2. **Abdul-Ghani R**, Loutfy N, Hassan A. Myrrh and trematodoses in Egypt: an overview of safety, efficacy and effectiveness: profiles. *Parasitol Int*. 2009;58(3):210-4. [Link](#)
  3. **Abdul-Ghani R**, Loutfy N, el-Sahn A, Hassan A. Current chemotherapy arsenal for schistosomiasis mansoni: alternatives and challenges. *Parasitol Res*. 2009;104(5):955-65. [Link](#)

## BOOK

- 2017
- **Abdul-Ghani R**. Basics of Molecular and Cellular Biology: A Textbook for Medical Laboratory Sciences. 1st ed. Sana'a: Kanz Al-Jamia Publishing Center, Faculty of Medicine and Health Sciences, Sana'a University.

## PRESENTATIONS, ABSTRACTS & POSTERS

- 2022
- Al-Barhmi K, **Abdul-Ghani R**. A preliminary report on intestinal microsporidiosis among Yemeni HIV/AIDS patients on antiretroviral therapy. Fifth Yemen Field Epidemiology Training Program (YFETP) National Conference, Sana'a, Yemen, 28 February – 3 March.
- 
- 2020
- **Abdul-Ghani R**, Mahdy MAK, Alkubati S, Almikhlafy AA, Alhariri A, Das M, Dave K, Cuesta JG. Malaria and dengue in Hodeidah city, Yemen: the importance of laboratory confirmation. MSF Scientific Days, Médecins Sans Frontières (MSF), London, UK, 13–14 May. [Link](#)
- 
- 2018
- Allam AF, Farag HF, Osman MM, Ahmed MAR, Hagra NAE, Zaki A, **Abdul-Ghani R**, Shehab AY. Comparison of circulating cathodic antigen cassette test and real-time PCR in diagnosis of schistosomiasis mansoni with different infection intensities. 4th World Congress on Public Health, Epidemiology & Nutrition, Osaka, Japan, 24 & 25 May. [Link](#)
- 
- 2017
- **Abdul-Ghani R**. **Impact of People Displacement and Human Mobility on the Transmission and Epidemiology of Vector-borne Diseases**. workshop on “Developing multi-sectoral approaches to prevent and control vector-borne diseases”, Geneva, Switzerland, 27 June.

## INVITED SPEAKER

- 2018
- Sixth Edition of Geneva Health Forum in the session of “**Global Health Security — Towards Multisectoral Collaborations to Confront the Increasing Threat of Vector-Borne Diseases**” organized by the Swiss Agency for Development and Cooperation in Geneva, Switzerland, 10-12 April.

## OTHER

- 2023
- Drafting the document “**Malaria Situation Assessment in Socotra Governorate, Yemen**” for the WHO Office in Aden, Yemen.
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- 2021
- Contribution to the WHO document “**The selection and use of essential in vitro diagnostics: Report of the third meeting of the WHO Strategic Advisory Group of Experts on In Vitro Diagnostics**”, WHO Technical Report Series, No. 1031. [Link](#)
  - Drafting the “**Technical Review and Update of Yemen’s National Malaria Strategic Plan (2020–2024)**”, Yemen’s NMCP in collaboration with WHO.
- 
- 2020
- Contribution to the WHO document “**Multisectoral Approach for the Prevention and Control of Vector-Borne Diseases: A Conceptual Framework**”. [Link](#)

- 2019
  - Contribution to the WHO document “**The selection and use of essential in vitro diagnostics: Report of the second meeting of the WHO Strategic Advisory Group of Experts on In Vitro Diagnostics**”, WHO Technical Report Series, No. 1022. [Link](#)
  - Preparation and drafting the “**Malaria Case Management**” section of the Malaria Programme Review (MPR) 2018 (MPR 2018), Yemen’s NMCP in collaboration with WHO.
  - Drafting the “National Malaria Strategic Plan (2020–2024) for Yemen’s NMCP in collaboration with WHO.
- 2016
  - **First deposition of *L. chagasi* isolates causing visceral leishmaniasis among children in Yemen** (Accession numbers: KT751245 to KT751269) within the *L. donovani* complex from Yemen in GeneBank® (NCBI). [Link](#)

## ACADEMIC, RESEARCH & PROFESSIONAL EXPERIENCE

- 2016 --
  - Supervision and evaluation of research projects by undergraduate students and master and doctoral theses by postgraduate students.
- 2015 --
  - Copyediting and proofreading articles published by the Yemeni Journal for Medical Sciences and several manuscripts published by colleagues and researchers in related medical fields.
- 2015–22
  - Preparation and review of course specifications and syllabus contents for several subjects related to medical parasitology, medical entomology and medical laboratory sciences in public universities (Sana’a University & Ibb University) and private universities (UST, National University, Azal University for Human Development, Saba University & Al-Nokhbah International University for Science and Technology).
- 2014 --
  - Teaching medical parasitology, medical entomology, diagnostic parasitology, molecular biology and research methodology to undergraduate and graduate students in medical and paramedical specialties at the Faculty of Medicine and Health Sciences of Sana’a University and several other private universities.
  - Proposal writing, application for grants, management of funded research projects, implementation of field surveys on infectious diseases, reporting to funders and dissemination of survey findings.
- 2012–14
  - Practical work with molecular biology techniques with a focus on DNA extraction techniques, PCR and gel electrophoresis at Medical Research Institute, Alexandria University, Egypt.
- 2009 --
  - Preparation, editing and proofreading of scholarly articles published in peer-reviewed journals (as a corresponding author in over 90% of publications).
- 2003–06
  - Delivering practical courses in medical parasitology and entomology to undergraduate medical and paramedical students at the Faculty of Medicine and Health Sciences, Sana’a University.
- 1999–06
  - Medical laboratory technologist in several private clinical laboratories and hospitals in Sana’a.
- 2008 --
  - Statistical analysis of data using SPSS software (now IBM SPSS Statistics) and professional use of bibliographic management software (EndNote & Mendeley)

## TRAINING COURSES & WORKSHOPS

- 2023
  - “**Yemen’s Malaria Programme Performance Review**” – A workshop organized by the National Malaria Control Programme in collaboration with WHO/EMRO. 24–26 October, Role: WHO National Consultant.
  - “**Strategies for Assessing Learning Outcomes**” – A workshop organized by the Deanship of Development and Quality Assurance, Ar-Rasheed Smart University; Sana’a, Yemen. 4 October, Role: Participant.
  - “**iTeach intensive course in “Research and Paper Writing”**” – An online course organized by Sinjab Academy (UAE) in collaboration with the Yemeni Ophthalmology Society and the Egyptian Society for Continuous Ophthalmic Education; 1–15 September, Role: Instructor.
  - “**Revitalization of the National Committee of Control of Zoonotic and Vector-Borne Diseases & Vector Control Needs Assessment**” – A workshop organized by the General Directorate of Surveillance and Disease Control & NMCP, MoPHP and held at Al-Bustan Hotel, Sana’a; 3-5 September. Role: WHO National Consultant.
  - “**Discussion of Laboratory Medicine Program Updating**” – A workshop organized by the Development and Quality Assurance Center, Queen Arwa University, Sana’a, Yemen; 30 August. Role: External Referee.
  - “**Mapping Course Intended Learning Outcomes (CILOs) versus Program Intended Learning Outcomes (PILOs) for the Program of Biomedical Sciences**” – A workshop organized by School of Pharmacy & Medical Sciences, Lebanese International University, Sana’a, Yemen; 29 August. Role: Consultant.
  - “**Preparing Exams in Medical Subjects in Alignment to Course Intended Learning Outcomes (CILOs)**” – A workshop organized by the Faculty of Medicine and Health Sciences, UST, Sana’a, Yemen; 7 March. Role: Participant.

- **“Updating the Laboratory Medicine Program”** – A one-day workshop held at the Quality Assurance & Accreditation Administration, Faculty of Medicine and Health Sciences, Sana’a University, Sana’a, Yemen; 26 February, Role: Member of Organizing Committee.
- **“Study Design in Medical and Health Research for Ophthalmologists”** – A 15-hour course organized by the Yemeni Ophthalmology Society and held at Ibn al-Nafees University for Medical Sciences, Sana’a, Yemen; 16–20 January. Role: Instructor.
- **“Study Design in Health Research & Preparation of Manuscripts for Publication”** – An 18-hour course organized by Teaching & Learning Center, UST, Sana’a, Yemen; 14–19 January. Role: Instructor.

2022

- **“Capacity Building in Tropical Disease Implementation Research and Ethics”** – A 3-day workshop jointly organized by the Arabian Gulf University in collaboration with TDR and WHO/EMRO and held in Manama, Bahrain; 6–8 November. Role: Participant.
- **“Competency Level Assessment”** – A three-day workshop organized by the Faculty of Medicine and Health Sciences, Sana’a University in collaboration with the WHO Country Office in Sana’a; 1–3 August. Role: Participant.
- **“Discussion and Approval of the Laboratory Medicine Program at the Faculty of Medical Sciences, Al-Nokhbah International University for Science and Technology”** – A one-day workshop held at the University Campus in Sana’a, Yemen; 9 June, Role: Consultant.
- **“Strengthening the Competencies and Capacities of Faculty Staff in Teaching and Learning Methods”** – A 4-day workshop organized by the Faculty of Medicine and Health Sciences, Sana’a University in collaboration with the WHO Country Office in Sana’a; 14–17 May. Role: Participant.
- **“Study Design in Medical and Health Research”** – An 18-hour training course for pediatricians organized by The Scholar for Consultation and Training in collaboration with To Be Fit Pediatricians Initiative and FRANCE LAIT - held at Kuwait University Hospital, Sana’a, Yemen; 13–23 March. Role: Facilitator.
- **“Descriptive and Inferential Statistics Using IBM SPSS Statistics Software”** – A workshop organized by Teaching & Learning Center, UST, Sana’a, Yemen; 15–24 January. Role: Instructor.
- **“Extrapolation of Beneficiaries of the Medical Laboratory Specialization”** – A workshop held at the Faculty of Medicine and Health Sciences, Sana’a University; 2 January. Role: Facilitator and Organizing Committee Member.

2021

- **“First International Summer School on Advanced Methods in Global Health”** – An online course of three modules organized by ISGlobal Barcelona Institute for Global Health; 6–10 September. Role: Participant.
- **“MOOC on Implementation Research for countries of the WHO Eastern Mediterranean Region”** – A certified six-week course of five modules organized by the WHO-TDR Regional Training Center for the Eastern Mediterranean Region, Institut Pasteur de Tunis (IPT); 29 March –16 May. Role: Participant. [Link](#)
- **“Study Design in Health and Medical Research”** – A workshop organized by Teaching & Learning Center, UST, Sana’a; 31 March – 11 April. Role: Facilitator.
- **“Capacity Building in Tropical Disease Implementation Research”** – A virtual workshop for TDR grantees co-organized by WHO/EMRO/SID and TDR-Supported Regional Training Center (RTC) and hosted by Institut Pasteur de Tunis (IPT); 23–25 February. Role: Participant
- **“Technical Review and Updating of the National Malaria Strategic Plan 2020–2024 – Sana’a hub”** – A workshop organized by the NMCP, Al-Bustan Hotel, Sana’a, Yemen; 16–17 February. Role: WHO National Consultant.
- **“Technical Review and Updating of the National Malaria Strategic Plan 2020–2024– Aden hub”** – A workshop organized by the NMCP in collaboration with KSrelief and the International Organization for Migration (IOM); held at Coral Hotel, Aden, Yemen; 13–14 January. Role: WHO National Consultant.

2019	<ul style="list-style-type: none"> <li>• <b>“Publishing Scientific Papers in Indexed Scholarly Journals”</b> – A workshop organized by Teaching &amp; Learning Center, UST, Sana’a, Yemen; 30–31 December. Role: Instructor.</li> <li>• <b>“Elimination Mapping of Onchocerciasis from Yemen”</b> – A workshop organized by the National Programme for Control and Elimination of Onchocerciasis, MoPHP and MedVeritas for Medical and Educational Services, Sana’a, Yemen; 30 November. Role: Facilitator.</li> <li>• <b>“Development of Yemen’s National Malaria Strategic Plan 2020-2024”</b> – A workshop held at WHO Support Office, Amman, Jordan; 10–12 November. Role: WHO National Consultant.</li> <li>• <b>“Module 3 of Asia SORT IT Operational Research Course: Operational Research and Scientific Paper Writing”</b> – A certified course organized by TDR/WHO, The Union, and MSF; held at Berjaya Hotel, Colombo, Sri Lanka; 11–18 October. Role: Participant.</li> <li>• <b>“Preparation of the National Malaria Strategic Plan 2020-2024”</b> – A workshop organized by the NMCP in collaboration with WHO; held at Al-Bustan Hotel, Sana’a; 11–12 September. Role: WHO National Consultant.</li> <li>• <b>“Modules 1 &amp; 2 of Asia SORT IT Operational Research Course: Research Question and Protocol Development &amp; Data Management and Analysis”</b> – A certified course organized by TDR/EHO, The Union, and MSF; held at Berjaya Hotel, Colombo, Sri Lanka; 4–16 February. Role: Participant.</li> <li>• <b>“Developing National Academic Reference Standards (NARS) for Laboratory Medicine Programme in Yemeni Universities”</b> – A workshop organized by the Council of Accreditation and Quality Assurance, Ministry of Higher Education and Scientific Research, Sana’a; 14–16 January. Role: Consultant.</li> </ul>
2018	<ul style="list-style-type: none"> <li>• <b>“MOOC on Implementation Research (IR105) with a focus on Infectious Diseases of Poverty (IDP)”</b> – A certified course organized jointly by the African Regional Training Centre of the University of Ghana School of Public Health and TDR/WHO; 13 October to 14 December. Role: Participant. <a href="#">Link</a></li> <li>• <b>“Improving the Curriculum of the Faculty of Medicine”</b> – A workshop organized by the Consultation and Development Centre, UST, Sana’a; 11 Dec. Role: Consultant.</li> <li>• <b>“Revision and Updating of the Bachelor Programme of Medical Laboratory Sciences”</b> – A workshop organized by the Administration of Applied Medical Sciences, Faculty of Medicine and Health Sciences, Sana’a University, Sana’a; 9 October. Role: Member of Course Specification Committee.</li> <li>• <b>“MOOC on Implementation Research (IR102) with a focus on Infectious Diseases of Poverty (IDP)”</b> – A certified course organized jointly BY the United Nations University International Institute of Global Health (UNU-IIGH), Monash University, Malaysia and TDR/WHO; 17 May –28 June. Role: Participant. <a href="#">Link</a></li> <li>• <b>“Malaria Programme Review of the Performance of the NMCP”</b> – A workshop organized by the NMCP in collaboration with WHO; held at Al-Bustan Hotel, Sana’a, Yemen; 29–30 May. Role: WHO National Consultant.</li> <li>• <b>“Malaria Programme Review of the Performance of Aden and Hadhramout Axes of the NMCP”</b> – A workshop organized by the NMCP in collaboration with WHO; held at Coral Hotel, Aden, Yemen; 12–13 May. WHO National Consultant.</li> <li>• <b>“Institutionalization: The Way Towards Quality”</b> – A workshop organized by Continuing Medical Education Center, Faculty of Medicine and Health Sciences, Sana’a University, Sana’a, Yemen; 18 February. Role: Participant.</li> <li>• <b>“Improving Research Data to Inform Better Treatment of Poverty-Related Infectious Diseases”</b> – A certified course organized under the Researcher Links Scheme offered by the Newton Fund, the British Council, WWARN, TDR/WHO, Oxford University, Strathmore University and the University of Cape Town; held in Nairobi, Kenya; 23–26 January. Role: Participant</li> </ul>
2017	<ul style="list-style-type: none"> <li>• <b>“Developing Multi-Sectoral Approaches to Prevent and Control Vector-Borne Diseases”</b> – A TDR/SDC/IDRC/STPH-funded workshop; held in Geneva, Switzerland; 26–28 June. Role: Participant.</li> <li>• <b>“Specification of Courses for Health Sciences”</b> – A workshop organized by Quality Assurance and Accreditation Management, UST, Sana’a, Yemen; 17 May. Role: Participant.</li> <li>• <b>“Preparing and Writing Manuscripts for Publication in Indexed Journals”</b> – A workshop organized by Teaching &amp; Learning Center, UST, Sana’a, Yemen; 15–16 April. Instructor.</li> </ul>
2016	<ul style="list-style-type: none"> <li>• <b>“Quality Assurance in Malaria Microscopy”</b> – A WHO-supported workshop; held at the NMCP, Sana’a, Yemen; 5–9 November. Role: Facilitator.</li> <li>• <b>“Professional Development for Academicians”</b> – A certified course organized by the Center of Academic Development and Quality Assurance, Sana’a University, Yemen; 6–16 February. Role: Participant.</li> </ul>
2010	<ul style="list-style-type: none"> <li>• <b>“Fermentas Molecular Biology”</b> – A seminar organized by the Faculty of Medicine, Alexandria University in cooperation with Fermentas/ Thermo Fisher Scientific, Egypt; 21 July. Role: Participant.</li> </ul>

- 2009
  - “**Designing Courses for Quality Education**” – A workshop organized by Medical Research Institute, Alexandria University, Egypt; 8 August. Role: Participant.
  - “**Principles of Decontamination**” – A workshop organized by Medical Research Institute, Alexandria University, Egypt; 8–9 July. Role: Participant.
- 2006
  - “**Statistical Packages for Social Sciences (SPSS)**” – A certified training course organized by the Center of Population Studies, Sana'a University in collaboration with the United Nations Development Program (UNDP), Yemen. 22 April – 4 May. Role: Participant.
  - “**Advanced Intensive English Course for University Assistant Teaching Staff** – A two-month course organized by the Center of Translation and Community Service, Faculty of Languages, Sana'a University, Yemen. Role: Participant.
- 2004
  - “**Japanese language (Katakana)**” – A certified course delivered by the Yemeni-Japanese Friendship Society in collaboration with the Japanese Embassy, Sana'a; 17 April – 10 June. Role: Participant.
  - “**Research Methodology and Stata Software for Statistical Analysis**” – A certified training course organized by the Faculty of Medicine and Health Sciences, Sana'a University in collaboration with TDR/WHO. 25 April – 5 May. Role: Participant.
- 2001
  - “**Quality Assurance in the Industry of Laboratory Diagnostics and Simple Non-Electronic Maintenance of Sophisticated, Fully Automated Equipment**” – A workshop organized by United Diagnostics Industry (UDI), Dammam, KSA; 28–30 August. Role: Participant.

### CONSULTANCY & ADMINISTRATIVE SERVICES

- 2023
  - **WHO National Consultant** (WHO Office, Aden), Assessment of Malaria and Other Vector-Borne Disease Situation in Socotra Island (desk review and fieldwork for two weeks)
- 2021
  - **WHO National Consultant**, Updating the National Malaria Strategic Plan 2020–2024 of Yemen's NMCP in the context of COVID-19
- 2020–22
  - **Director**, Tropical Disease Research Center, UST, Sana'a
- 2020–22
  - **WHO Technical Adviser**, Therapeutic Efficacy Studies and Molecular Surveillance, NMCP
- 2019
  - **WHO National Consultant**, Development of the National Malaria Strategic Plan 2020-2024
- 2018
  - **WHO National Consultant**, Malaria Programme Review, NMCP, Yemen
- 2016–18
  - **Head** (part-time), Department of Medical Laboratory Sciences, Faculty of Medical Sciences, Azal University for Human Development, Sana'a
- 2014 –
  - **Rapporteur**, Medical Parasitology Department, Faculty of Medicine and Health Sciences, Sana'a University
- 2014–20
  - **Scientific Supervisor & Coordinator**, Tropical Disease Research Center, UST, Sana'a

### CONFERENCES & MEETINGS ATTENDED

- 2023
  - “**Inaugural of the Malaria Strategic Information Technical Advisory Group (MSI-TAG)**” – A hybrid meeting, Global Malaria Programme/WHO, Geneva, Switzerland; 4–6 July. Role: MSI-TAG member (online participation).
- 2022
  - “**Fourth meeting of the Strategic Advisory Group of Experts on In Vitro Diagnostics (SAGE IVD)**” – A virtual meeting; 14–18 November. Role: SAGE IVD member.
  - “**ASM Future Leaders Mentor Training**” – A virtual meeting for ASM Mentors; 12 May. Role: Participant.
  - “**Virtual Meeting of Technical Advisory Group on *Wolbachia-Ae. aegypti* Replacement TPP Development**”, WHO; 1-3 March. Role: Technical Advisor.
  - “**Virtual Meeting of Technical Advisory Group on *Wolbachia-Ae. aegypti* Replacement TPP Development**”, WHO; 13-14 January. Role: Technical Advisor.
- 2021
  - “**Editorial Board Meeting of BMC Infectious Diseases**” – A virtual meeting organized by BioMed Central; 21 April. Role: Editorial Board Member
  - “**RBM Partnership to End Malaria Partner Committees Meeting**” – A virtual meeting organized by the United Nations Office for Project Services (UNOPS). 22–23 February. Role: Participant.
- 2020
  - “**Regional Virtual Meeting on Antimalarial Drug Efficacy and Resistance in HANMAT/PIAM-NET Countries**” – A meeting organized by WHO/EMRO, Cairo, Egypt; 8 June. Role: Participant.
  - “**Virtual Meeting of the ISID Council**” – A meeting organized by the International Society for Infectious Diseases, Brookline, USA; 12 May. Role: Participant.
  - “**Regional Webinar on Ethics and COVID-19: EMR Perspectives**” – A virtual webinar organized by WHO/EMRO, Cairo, Egypt; 29 April. Role: Participant.



- 2019–
  - "Meetings of the Strategic Advisory Group of Experts on In Vitro Diagnostics" – almost monthly teleconferences organized by the WHO model list of essential in vitro diagnostics (EDL) Secretariat, Essential Medicines and Health Products (EMP) Department, WHO, Geneva; September 2018 to August 2020.
- 2011
  - "Recent Advances in Laboratory Medicine" – The 6<sup>th</sup> Annual Scientific Conference of the Egyptian Medical Syndicate, Alexandria, Egypt; 1–2 June.
- 2010
  - "Recent Advances in Laboratory Medicine" – The 5<sup>th</sup> Annual Scientific Conference of the Egyptian Medical Syndicate, Alexandria, Egypt; 5–7 May.
  - "New Developments in Laboratory Diagnosis of Parasitic Diseases" – The 2<sup>nd</sup> Annual Conference of Egyptian Parasitologists United (EPU) in association with WHO Collaborating Center for Quality Assurance and Standardization in Laboratory Medicine, Ain Shams University, Cairo, Egypt; 7–8 April.
- 2009
  - "Patient Safety" – The 4<sup>th</sup> International Conference of the High Institute of Public Health, Alexandria University, Egypt; 27–29 October.
  - "Advances in Medical Research from Molecular Medicine to Clinical Applications" – The 3<sup>rd</sup> International Conference of the Medical Research Institute, Alexandria University, Egypt; 20–23 October.
  - "Recent Advances in Laboratory Medicine" – The 4<sup>th</sup> Annual Scientific Conference of the Egyptian Medical Syndicate, Alexandria, Egypt; 6–8 May.
  - "New Trends in Laboratory Medicine and a Practical Workshop on Immunofluorescence" – The Annual Scientific Conference of Clinical Pathology Department of the Faculty of Medicine, Alexandria University, Egypt; 22–23 April.

#### REVIEWING SERVICES FOR INDEXED JOURNALS (alphabetically ordered) \*: Review of 119 manuscripts as of Aug. 2023).

Reviewer for: [Acta Tropica](#) (Elsevier); [Annals of Parasitology](#) (The Polish Parasitological Society); [BMC Medicine](#) (BioMed Central); [BMC Open](#) (BioMed Central); [BMC Public Health](#) (BioMed Central); [Bulletin of the World Health Organization](#) (WHO); [Environmental Science and Pollution Research](#) (Springer); [Experimental Parasitology](#) (Elsevier); [Frontiers in Tropical Diseases](#) (Frontiers, Switzerland); [Infection, Genetics and Evolution](#) (Elsevier); [Journal of Infection and Public Health](#) (Elsevier); [Journal of Medical Internet Research](#) (JMIR Publications); [Journal of Parasitic Diseases](#) (Springer); [Journal of the Egyptian Public Health Association](#) (EPHA, Egypt); [Malaysian Journal of Medicine and Health Sciences](#) (UPM, Malaysia); [Microbes and Infectious Diseases](#) (Zagazig University, Egypt); [Parasite](#) (EDP Sciences); [Parasites & Vectors](#) (BioMed Central); [Parasitologists United Journal](#) (Egyptian Parasitologists United Society); [Parasitology Research](#) (Springer); [PLOS Neglect Trop Dis](#) (Public Library of Science); [PLOS ONE](#) (Public Library of Science); [Scientific Reports](#) (Nature); [The Lancet Infectious Diseases](#) (Elsevier); [Tropical Journal of Medical Research](#) (Medknow); [Tropical Medicine and Health](#) (Japanese Society of Tropical Medicine); [Tropical Medicine and International Health](#) (Wiley); [Yemeni Journal for Medical Sciences](#) (UST, Yemen)

\* *Verified Reviewer Profile on [Web of Science](#)*

#### REVIEWING & EVALUATION ACTIVITIES (other than scholarly manuscripts)

- 2022
  - Review of abstracts (Category: One health) submitted to the International Congress on Infectious Diseases (ISID 2022) organized by the ISID in Kuala Lumpur, Malaysia; 17-20 November.
- 2021
  - Review of 12 abstracts (Category: Vector-borne diseases) and one abstract (Category: Emerging infectious diseases in displaced populations) submitted to the 8<sup>th</sup> Annual International Meeting on Emerging Diseases and Surveillance (IMED 2021) organized by the ISID and the Program for Monitoring Emerging Diseases (ProMED).
  - Review and Evaluation of Medicine Program Specifications, Faculty of Medicine and Health Sciences, Emirates International University, Sana'a, Yemen (April); Role: External referee
- 2020
  - Review of Medicine Program, Faculty of Medicine and Health Sciences, Emirates International University, Sana'a, Yemen (September). Role: External referee
  - Pre-screening of five ISID research proposals for eligibility for full review (July)
  - Evaluation of the Bachelor's Program in Medical Laboratory Sciences, National University – Ibb Branch; Role: Member of the Evaluation Committee assigned by the Council of Accreditation and Quality Assurance, Ministry of Higher Education and Scientific Research, Sana'a (March)

- 2019**
  - Reviewing and rating 47 abstracts under the section “Parasitology and Parasitic Diseases” submitted to the 19<sup>th</sup> International Congress on Infectious Infections (ICID), Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia held from 20 to 23 February 2020.
  - Judge for 10 proposals for THE TDR Global Crowdfunding Challenge Contest. [Link](#)
  - Review of 5 grant proposals (Category: diagnostics) for the Research Grant Program of the ISID.
- 2019–20**
  - Review of in vitro diagnostic test submissions for inclusion in the 3<sup>rd</sup> Edition of the WHO’s EDL, Essential Medicines and Health Products (EMP) Department, WHO.
- 2018–19**
  - Review of in vitro diagnostic test submissions for inclusion in the 2<sup>nd</sup> Edition of the WHO’s EDL, Essential Medicines and Health Products (EMP) Department, WHO.
  - Review of 5 grant proposals (category: parasitology) for the Research Grant Program of the ISID/

## SUPERVISION & MENTORING

- 2022**
  - ASM Future Leaders Mentoring Fellowship (FLMF), American Society for Microbiology [Role: Mentor].
- 2020**
  - *Asymptomatic and Symptomatic Uncomplicated Falciparum Malaria among School-Age Children in Jabal Al-Shraq District of Dhamar Governorate, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
- 2019**
  - *Community-Based Interventions to Control Urogenital Schistosomiasis in Dam Communities, Kano State, Nigeria* – by a TDR Global crowdfunding finalist from Nigeria. Role: TDR Global mentor.
  - *Prevalence and Risk Factors Associated with Intestinal Parasitic Infections among Diabetics in Sana’a City, Yemen* (graduation project): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
  - *Prevalence and Factors Associated with Intestinal Microsporidiosis among HIV/AIDS Patients in Sana’a City, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
  - *Epidemiology of Schistosomiasis among Schoolchildren in Amd District of Hadhramout Governorate, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Co-supervisor.
  - *Toxoplasma gondii Infection among Children with Down Syndrome in Sana’a City, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
  - *Epidemiology of Malaria among Children under Five Years of Age in Al-Mahweet Governorate, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
- 2018**
  - *Toxoplasma gondii Infection among Type-2 Diabetics in Sana’a City, Yemen* (graduation project): Faculty of Medical Sciences, The National University in Sana’a. Role: Principal Supervisor.
  - *Toxoplasma gondii Infection among Women of the Reproductive Age in Al-Sabaeen District, Sana’a City, Yemen* (graduation project): Faculty of Medical Sciences, Yemenia University in Sana’a. Role: Principal Supervisor.
- 2017**
  - *Toxoplasma gondii Infection among Immunocompromized Patients in Sana’a City, Republic of Yemen* (graduation project): Faculty of Medicine and Health Sciences, Sana’a University. Role: Principal Supervisor.
- 2016**
  - *Seroprevalence of Toxoplasma gondii among Slaughtered Animals in Sana’a, Republic of Yemen* (graduation project): Faculty of Medical Sciences, The National University in Sana’a. Role: Principal Supervisor.
  - *Assessment of Iron Indices and Hepcidin among Patients Infected with Falciparum Malaria in Hodeidah Governorate, Yemen* (MSc thesis): Medical Research Institute, Alexandria University, Alexandria, Egypt. Role: External Co-supervisor.
  - *Patterns of Key Cytokines and Hematological Parameters among Patients with Falciparum Malaria in Hodeidah – Yemen* (PhD thesis): Medical Research Institute, Alexandria University, Alexandria, Egypt. Role: External Co-supervisor.
  - *Prevalence of Falciparum Malaria and Its Relation to Nutritional Status and Hematological Parameters among Schoolchildren in Hodeidah Governorate, Yemen* (PhD thesis): Medical Research Institute, Alexandria University, Alexandria, Egypt. Role: External Co-supervisor.

## THESIS EVALUATION

- 2022**
  - *Prevalence and Risk Factors of Intestinal Parasitosis among Yemeni Displaced Children in Sana’a City* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Internal Examiner.
- 2021**
  - *Prevalence and Factors Associated with Cryptosporidiosis among HIV-infected Patients in Sana’a City, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana’a University. Role: Internal Examiner.

- 2020 • *Seroprevalence of Toxoplasma gondii infection among Chronic Renal Failure Patients in Sana'a City, Yemen* (MSc thesis): Faculty of Medicine and Health Sciences, Sana'a University. Role: Internal Examiner.

## FUNDED PROJECTS

- 2022 • **Quality of Medical Practitioners' Adherence to National Malaria Treatment Guidelines for Uncomplicated Malaria in Hodeidah City, Yemen** – A project funded by TDR/WHO. Role: Principal Investigator.
- 2022 • **IGRA-Based Burden of Latent Tuberculosis and Evaluation of the Routinely Used Tuberculin Skin Test for Active Case Finding among Asymptomatic Type-2 Diabetic Patients in Sana'a City, Yemen** – A project funded by TDR/WHO. Role: Co-investigator.
- 2021 • **COVID-19 Vaccine Hesitancy among Healthcare Providers in Sana'a City, Yemen** – A project funded by TDR/WHO. Role: Principal Investigator.
- 2021 • **Surveillance of *Plasmodium falciparum* Histidine-Rich Protein 2/3 Gene Deletions among Parasite Isolates from Symptomatic Patients in Tihama Region of Yemen** – A project funded by Yemen's NMCP in collaboration with WHO. Role: Principal Investigator
- 2021 • **Surveillance of *Plasmodium falciparum* Histidine-Rich Protein 2/3 Gene Deletions among Parasite Isolates from Symptomatic Patients in Aden and Lahj Governorates, Yemen** – A project funded by Yemen's NMCP in collaboration with WHO. Role: Co-investigator
- 2018 • **Assessment of the Burden of Concurrent Infections with Malaria and Dengue among Febrile Patients in Hodeidah Governorate, Yemen** – A project funded by TDR/WHO. Role: Principal Investigator
- 2018 • **Assessment of a Women-Delivered, Housewives-Centered Educational Intervention for Household Control of *Aedes* Mosquitoes in Dengue-Endemic Areas in Hodeidah City, Yemen: A Cluster-Randomized Controlled Trial** – A project funded by WHO. Role: Co-investigator
- 2018 • **A Household Survey on the Coverage Rate of Preventive Chemotherapy with Albendazole and Praziquantel in Yemen** – A project funded by WHO. Role: Co-investigator
- 2017 • **Impact of People Displacement on the Transmission and Epidemiology of Emerging Vector-Borne Diseases** – A commissioned review project funded by TDR/WHO. Role: Principal Investigator
- 2016 • **Glucose-6-Phosphate Dehydrogenase Deficiency and the Evaluation of a Rapid Diagnostic Test for Its Detection in Malaria-Endemic Areas in Yemen** – A project funded by TDR/WHO. Role: Co-investigator
- 2015 • **Screening for *Onchocerca volvulus* Anti-Ov16 IgG4 Response among Rural Communities Receiving Community-Directed Treatment with Ivermectin in Endemic Foci of Onchocerciasis in Yemen to Assess the Interruption of Transmission by Detecting Recent Exposure** – A project funded by TDR/WHO. Role: Co-investigator
- 2014 • **Evaluation of Two Copromicroscopic Techniques for the Detection of *Schistosoma mansoni* in Low Endemicity Settings in Yemen** – A project funded by TDR/WHO. Role: Principal Investigator

## AWARDS & HONORS

- 2023 • Appreciation Certificate of Sana'a University for obtaining the seventh rank of most-cited researchers in the university in 2022.
- 2021 • Winner of the TDR Global Career Impact Contest organized by TDR Global and Social Entrepreneurship to Spur Health (SESH) for TDR-supported scientists addressing infectious diseases of poverty [Link](#)
- 2021 • University of Science and Technology Award for Scientific Research for the years 2019 & 2020, UST, Sana'a, Yemen
- 2020 • Certificate of Completion of Operational Research Course (ASIA OR Course: three modules), The Union in conjunction with TDR and MSF
- 2019 • University of Science and Technology Award for Scientific Research for the year 2018, UST, Sana'a, Yemen
- 2018 • Certificate and Award of Excellence in Scientific Research for the year 2017, Deanship of the Higher Studies and Scientific Research, UST, Sana'a, Yemen
- 2016 • Certificate of Outstanding Contribution in Reviewing; Acta Tropica, Elsevier [Link](#)
- 2016 • Certificate of appreciation for the first rank in publishing in Scopus/Web of Science-indexed journals for the year 2015 Deanship of Higher Studies and Scientific Research, UST, Sana'a [Link](#)
- 2014 • Certificate of "Outstanding Reviewer" for the year 2014; Acta Tropica, Elsevier [Link](#)
- 2013 • Certificate of "Excellence in Reviewing" for the year 2013; Acta Tropica, Elsevier [Link](#)
- 2010 • Award and Medal of Excellence: Ministry of Higher Education and Scientific Research and the Cultural Attaché of the Embassy of Yemen in Cairo

- 1995–98 • First-rank awards for the years 1995–1998 and First-Class Honors Certificate in Medical Laboratory Science: Faculty of Medicine and Health Sciences, Sana'a University, Yemen

#### EDITORIAL BOARDS (alphabetically ordered)

- **Acta Tropica** (Elsevier): Editorial Board Member. [Link](#)
- **Annals of Parasitology** (Polish Parasitological Society): Scientific Council Member of the Editorial Board. [Link](#)
- **BMC Infectious Diseases** (BioMed Central): Editorial Board Member. [Link](#)
- **Frontiers in Parasitology** (Frontiers, Switzerland): Review Editor – Therapeutics and Diagnostics. [Link](#)
- **Frontiers in Tropical Diseases** (Frontiers, Switzerland): Review Editor – Neglected Tropical Diseases. [Link](#)
- **International Journal of Infectious Diseases** (ISID): Publication Committee Member. [Link](#)
- **Parasitologists United Journal** (Egyptian Parasitologists United Society): Editorial Board Member. [Link](#)
- **Yemeni Journal for Medical Sciences** (University of Science and Technology): Deputy Editor: from 2014 to 2021.

#### NATIONAL/INTERNATIONAL COMMITTEES

- 2022 • Member of the Malaria Strategic Information Technical Advisory Group (MSI-TAG) from June 2022 until June 2025, Global Malaria Programme (GMP), World Health Organization
- Member of WHO Advisory Group on Development of Target Product Profile of *Wolbachia* spp., World Health Organization
- Member of Laboratory Medicine Programme Specification Committee, Faculty of Medicine and Health Sciences, Sana'a University
- Member of the Preparation Committee of the Medicine Program Specification, Faculty of Medicine, Al-Saeeda University, Sana'a, Yemen
- 2021 • Member of the VL Sub-group of the WHO Diagnostic Technical Advisory Group (DTAG) for Neglected Tropical Diseases
- 2020 • The Union (Paris, France) — Union membership CU-0789188
- Consultative Forum of Uniting to Combat Neglected Tropical Diseases [Link](#)
- 2019–23 • WHO Strategic Advisory Group of Experts on In Vitro Diagnostics (SAGE IVD) - for three rounds of appointment [Link](#) (for four years)
- 2018 -- • Member of the Council of International Society for Infectious Diseases for the Eastern Mediterranean Region [Link](#)
- Publication Committee, International Society for Infectious Diseases
- 2017 • Course Specification Committee, Department of Medical Parasitology, Faculty of Medicine and Health Sciences, Sana'a University, Yemen.

#### PROFESSIONAL SOCIETY MEMBERSHIPS

- 2024– • Member of UNESCO-TWAS (The World Academy of Sciences)
- 2018– • Member of TDR Global Network, TDR, WHO [Link](#)
- 2017– • Global Outreach Postdoctoral Member, American Society for Microbiology [Link](#) (renewed annually)
- 2014– • Member of the Irish Society of Parasitology
- 2013–18 • Member of the International Society for Infectious Diseases
- 2010–14 • Member of Elsevier's Innovation Explorers
- 2003– • Member of Sana'a University Teaching Staff Syndicate
- 2000– • Member of the Yemeni Diagnostic Laboratory Medicine Syndicate

#### REFEREES

- Prof Ahmed A. Azazy, Department of Laboratory Medicine, Faculty of Applied Medical Sciences, Al Baha University, KSA. E-mail: [aazazy60@yahoo.com](mailto:aazazy60@yahoo.com)
- Prof John C. Beier, Department of Public Health Sciences, Miller School of Medicine, University of Miami, Florida, USA. E-mail: [jbeier@med.miami.edu](mailto:jbeier@med.miami.edu)
- Prof Amal F. Allam, Department of Parasitology, Medical Research Institute, Alexandria University, Egypt. E-mail: [amalalam2005@yahoo.com](mailto:amalalam2005@yahoo.com)