

Khalid Abdelsamea Mohamedahmed Abdella, PhD.,

Personal Information

- **Email Address:** khalid.gu89@gmail.com | khalid.abdelsamea@hotmail.com
 - **Phone Number:** +962771059001 - +249114660424 - +249909891874
 - **Date of Birth:** 01/04/1989 (35 years)
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Profile

Dynamic and accomplished University Associate Professor with over 10 years of experience in Medical Laboratory Sciences, specializing in Hematology and Immunohematology. Proven expertise in teaching, research, and clinical practice with a strong track record in curriculum development, student mentorship, and scholarly publication. Skilled in leading interdisciplinary research projects, securing grants, and fostering collaborative relationships within academia and industry. Published over 57 scientific manuscripts and reviewed more than 30 in peer-reviewed journals.

Professional (Academic) Experiences

- **Associate Professor** (Oct 2024 – Present)
 - Department of Medical Laboratory Sciences (Hematology and Immunology), Faculty of Applied Medical Sciences, Jerash University, Jordan
 - Teaching undergraduate and postgraduate courses, supervising research projects
 - Supervising undergraduate and postgraduate research projects
- **Associate Professor** (Jan 2023 – Present)
 - Department of Hematology and Immunology, Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Teaching undergraduate and postgraduate courses, supervising research projects
 - Taught and supervised more than 20 undergraduate and postgraduate courses including Hematology, Immunohematology, Hemostasis, Immunology, Hematological Neoplasm, Hematology, Instrumentation Molecular Hematology, Advanced Clinical Hematology, Molecular Biology and Research Methodology
- **Assistant Professor** (Dec 2019 – Dec 2022)
 - Department of Hematology and Immunology, Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Teaching undergraduate and postgraduate courses, supervising research projects
 - Taught and supervised more than 20 undergraduate and postgraduate courses including Hematology, Immunohematology, Hemostasis, Immunology, Hematological Neoplasm, Hematology, Instrumentation Molecular Hematology, Advanced Clinical Hematology, Molecular Biology and Research Methodology
- **Head of Research Collaboration Department** (May 2021 – Jan 2022)
 - Deanship of Scientific Research and Innovation, University of Gezira, Sudan

- Coordinated national and international research collaborations and scholarships
 - **Head of Postgraduate Studies Department** (Feb 2020 – May 2021)
 - Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Directed postgraduate courses, research, and examinations
 - **Head of Academic Supervision Unit** (Aug 2016 – Feb 2020)
 - Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Supervised undergraduate students
 - **Faculty Examination Officer** (May 2016 – Nov 2018)
 - Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Directed undergraduate courses, research, and examinations
 - **Lecturer** (Dec 2014 – Dec 2019)
 - Department of Hematology and Immunology, Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Taught undergraduate courses and supervised research projects
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Professional (Clinical) Experiences

- **Hematology and Immunohematology Consultant** (Jan 2020 – Present)
 - Biocare Lab, Gedaref, Sudan
 - **Hematology and Immunohematology Consultant** (Feb 2022 – Dec 2023)
 - Eltamoiz Medical Lab, Wad Medani, Sudan
 - **Medical Laboratory Specialist** (Jan 2016 – Oct 2021)
 - Elrahma Medical Lab, Wad Medani, Sudan
 - **Medical Laboratory Specialist** (Dec 2011 – Apr 2018)
 - Elsheikh Specialized Hospital, Khartoum, Sudan
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Education

- **Ph.D. in Hematology and Immunohematology** (Dec 2016 - Dec 2019)
 - Faculty of Medical Laboratory Sciences, University of Gezira, Sudan
 - Funded by DAAD
 - Thesis: "Association of TNF- α levels, TNF- α 238 Alleles Polymorphisms, and Anemia among Children with Falciparum Malaria"
- **M.Sc. in Immunology** (Oct 2011 – Oct 2013)
 - Sudan Academy of Sciences, Sudan
 - Thesis: "Detection of C Reactive Protein Level in Breast Cancer"
- **B.Sc. in Hematology and Immunohematology** (Oct 2005 - Oct 2009)
 - Faculty of Medical Laboratory Sciences, Omdurman Islamic University, Sudan
 - Thesis: "Hematological Changes in Iron Deficiency Anemia and Anemia of Chronic Disorders"

Scholarship, Project and Grant Awards

- **In Country Scholarship Programme Sudan 2016** by DAAD for Ph.D. Degree
- **DAAD Summer School Fellowship Award Germany (2018):** Project Leader
 - ❖ Association of TNF- α levels, TNF- α 238 Alleles Polymorphisms and Anemia among Children with Falciparum Malaria, Wad Medani Pediatric Teaching Hospital, Gezira State, Sudan
- **Sudanese Ministry of Higher Education and Scientific Research Grants for Youth Researcher Sudan (2021):** Project Leader
 - ❖ Determination of Heme Oxygenase 1 Polymorphisms (GT) $_n$ Repeats and T(-413)A and Plasma Level among Patients with COVID-19 as Predictive Markers of Increased Risk of Thrombosis

Research Supervision and Examination

Students Levels Supervisor Co-Supervisor Examiner (Internal) Examiner (External)

BSc	60	32	32	75
MSc	20	26	20	-
PhD	-	3	2	-

Skills

- **Teaching:** Curriculum development, dynamic lecture planning, student assessment, online teaching platforms, active learning strategies, mentoring
- **Research:** Experimental design, data analysis, grant writing, literature review, laboratory management, manuscript preparation
- **Clinical:** Hematological analysis, immunological assays, blood banking, quality assurance, patient sample handling
- **Technical:** Laboratory instrumentation, molecular biology, cell culture, data analysis software, laboratory information systems
- **Communication:** Written and verbal communication, presentation abilities, interdisciplinary teamwork, publishing, grant proposal writing
- **Leadership and Management:** Departmental administration, team supervision, budget management, strategic problem-solving, networking
- **Transferable Skills:** Time management, problem-solving, adaptability, teamwork, leadership, attention to detail

Publications Summary

- Peer-reviewed journal articles: 58 (Original: 48, Review: 2, Letter to editor and editorial: 8, Case report: 1)
- Citations: 125
- h-index: 6

- i10-index: 2
- Conference papers: 5 (Oral Presentation: 2, Poster Presentation: 3)

Publications

1. **Mohamed KA**. Detection of C Reactive protein level in breast cancer. European Academic Research. 2015;3(3):3036-3047.
2. **Mohamedahmed KA**; Sayedahmed SA; Abdualbagy II; Alsaeed AY. Evaluation effects of menorrhagia in coagulation profile (PT, INR, PTT, and platelets count) in Sudanese females. European Academic Research. 2015;3(9):10317-10336
3. Mohammed YA; Mohammed ME; Khalid EK; **Mohamedahmed KA**. Lipid Profile in Sudanese Women with Polycystic Ovary Syndrome: A Prospective Case-Control Study Conducted at Gezira State, Central Sudan. European Academic Research. 2016;3(12):12863-12873.
4. Tekeste TG; Abakar AD; Talha AA; **Mohamedahmed KA**. Seroprevalence of Hepatitis E amongst Pregnant Women in Asmara, Eritrea. European Academic Research. 2017;5(1):607-617.
5. **Mohamedahmed KA**; Mustafa RE; Abakar AD; Nour BYM. Evaluation of Neutrophil Lymphocyte Ratio (NLR) in Sudanese Children with Falciparum Malaria. IJAHMR. 2019;3(5):1-6.
6. **Mohamedahmed KA**; Mustafa RE; Nour BYM; Abakar AD. Assessment and Evaluation of Neutrophils: Lymphocytes Ratio among Children with Falciparum Malaria in a Sudanese Endemic Area. JUMJ. 2019;6(2):9-16.
7. **Mohamedahmed KA**; Abakar AD; Ahmed MO; et al. The Role of TNF- α Levels as Predictive Diagnostic Biomarker Among Children with Severe Falciparum Malaria in Endemic Area in Sudan. IJAHMR. 2019;3(7):1-6.
8. Abdelrahman RYK; Attaelmawla AH; Abakar AD; **Mohamedahmed KA**. The Role of Anti Mullerian Hormone (AMH) Levels as Predictive and Diagnostic Biomarker of Age at Menopause Among Infertile Sudanese Women. IJAHMR. 2019;3(8):13-17.
9. Elsiddig YM; Ibrahim AF; Koko ROE; Arabi OHM; Malik MIM; Abakar AD; **Mohamedahmed KA**. Molecular Detection of *H. Pylori* from Gastric Biopsies of Dyspeptic Patients Attending Endoscopy Center, Gezira State, Sudan. European Academic Research. 2019;7(7):3467-3477.
10. Mohamed MY; Abakar AD; Talha BA; Elzaki SG; Mohammed YA; Elsharief UA, **Mohamedahmed KA**; et al. Evaluation of Loop Mediated Isothermal Amplification (LAMP) for Diagnosis of *Plasmodium falciparum* in Wad Medani City, Gezira State, Sudan. IJTDH. 2019;38(4):1-7.
11. Mohamed MY; Abakar AD; Talha BA; Elzaki SG; Mohammed YA; **Mohamedahmed KA**; et al. Detection of *Plasmodium Falciparum* Using Nested PCR Among Suspected Patients in Wad Medani City, Gezira State, Sudan. International Journal of Medical Science and Health Research. 2019;3(5):72-80.

12. Babiker AA; Elhaj A; **Mohamedahmed KA**; Ahmed EA. Assessment of Cytological Atypia, AgNOR Count and p53 Protein in Epithelial Oral Mucosa Exposed to Toombak Among Sudanese Snuffers. IJAHMR. 2019;3(10):1-5.
13. Elsiddig YM; Sameir RM; Mohammed HE; Alshaikh TE; Arabi OHM; Malik MIM; **Mohamedahmed KA**. Assessment of Serological Tests for Diagnosis of H. pylori Infection among Dyspeptic Patients, Gezira State, Sudan. IJAHMR. 2019;3(11):1-6.
14. **Mohamedahmed KA**; Ahmed ZA; Nour BYM; et al. Impact of Severe Plasmodium Falciparum Infection on Platelets Parameters Among Sudanese Children Living in Al-Jazira State. Int. j. clin. biomed. res. 2020;6(2):5-9.
15. Ghebretsadik F; Abakar AD; **Mohamedahmed KA**. A Rare Upper Gastrointestinal Leech Infestation Causes Massive Bleeding in a 17-Month-Old Boy Admitted to Keren Zonal Referral Hospital, Keren, Eritrea. Int J Med Parasitol Epidemiol Sci. 2020;1(2):46-48.
16. **Mohamedahmed KA**; Nour BYM; Abakar AD; et al. Diagnostic and Prognostic Value of Thrombocytopenia Severity in Sudanese Children with Falciparum Malaria. World Journal of Advanced Research and Reviews. 2020;6(3):197-208.
17. Mohammed ZO; Gaberallah KM; Mohammed M.S; **Mohamedahmed KA**. Evaluation of Coagulation Profiles (PT, INR, and APTT) among Sudanese Patients with Falciparum Malaria Infection. IJAHMR. 2020;4(11):15-21.
18. Babiker AA; Mohammed YY; Ali SF; Talha AA; **Mohamedahmed KA**. Determination of D-dimer Levels among Sudanese Patients with Rheumatoid Arthritis. IJAHMR. 2020;4:18-21.
19. Tecele AS; Talha AA; **Mohamedahmed KA**; et al. Seroprevalence of Toxoplasmosis Among Pregnant Women Attending Antenatal Care in Asmara, Eritrea: Preliminary Report. Int J Med Parasitol Epidemiol Sci. 2020;1(4):78-84.
20. **Mohamedahmed KA**; Abakar AD. Severe Falciparum Malaria: An Overview. Int J Med Parasitol Epidemiol Sci. 2020;1(4):105-106.
21. **Mohamedahmed KA**; Abakar AD; Hamad MNM. CRP and NLR as Diagnostic and Prognostic Biomarkers for Severity of COVID-19 Infection. South Asian Res J Med Sci. 2021;3(1):1-2.
22. Osman AM; Abakar AD; Abdalla NM; Hussain K; Hassan RS; **Mohamedahmed KA**; et al. Role of Leishmanin Skin Test (LST) as Epidemiological Indicators for Cutaneous Leishmaniasis in Al-tragma Village, River Nile State, Sudan. Int J Med Parasitol Epidemiol Sci. 2021;2:10-15.
23. **Mohamedahmed KA**; Eltayeb EA; Omer OI; et al. Toxoplasmosis in Sudan: An Overview. Int J Med Parasitol Epidemiol Sci. 2021;2(2):31-32.
24. **Mohamedahmed KA**; Abakar AD. Absolute Leukocytes Count and NLR as Diagnostic and Prognostic Biomarkers for Severity of COVID-19 Infection. Jurnal Teknologi Laboratorium. 2021;10(1):3-5.
25. Almakey EA; Makeen AM; Saeed OK; **Mohamedahmed KA**. Association between Adiponectin and Insulin Resistance among Sudanese Males with Type 2 Diabetes Mellitus. Chinese J Med Res. 2021;4(2):34-37.

26. Mohamedahmed KA; Abbas MM; Mohammed MS; et al. Thrombocytopenia as diagnostic and prognostic biomarker for severity of COVID-19 infection. *Edorium J Infect Dis.* 2021;5:100013I03KM2021.
27. Ibrahim RE; Ibrahim SE; **Abdalsamea K**; et al. Evaluation of Common Coagulation Tests in Type 2 Diabetic Patients and Association with Diabetic Pre-cardiovascular Complications, Gezira State–Sudan, 2020-2021. *Asian Hematology Research Journal.* 2021;5(4):1-6.
28. **Mohamedahmed KA**; FadlElseed EO; Mohamed AM; et al. Impact of Preeclampsia on Platelet Count and Platelet Indices among Sudanese Pregnant Women in Gezira State. *J Gynecol Reprod Med.* 2021;5(2):163-166.
29. **Mohamedahmed KA**; Mohammed ZO; Gaberallah KM. Assessment of Prothrombin Time and Activated Partial Thrombin Time among Sudanese Patients with Falciparum Malaria Infection. *IJAMR.* 2021;5(10):32-37.
30. Ibrahim RE; Ibrahim SEH; **Mohamedahmed KA**; et al. The Frequency of rs1799889 in Plasminogen Activator Inhibitor Type -1 Gene in Sudanese Type 2 Diabetic Patients, Gezira State, Sudan, 2020-2021. *Open Journal of Applied Sciences.* 2022;12(1):165-174.
31. Mohammed MS; **Mohamedahmed KA**. Heme Oxygenase-1 (HMOX1) Gene Polymorphisms as Predictive Markers of Increased Risk of Thrombosis among Patients with COVID-19. *GMJ.* 2022;11:e2398.
32. Abdalla SOM; **Mohamedahmed KA**; Elsanousi MEM; et al. Association between Plasminogen Activator Inhibitor Type I 4G/5G Genes Polymorphisms with Menorrhagia among Sudanese Females in Gezira State. *IJAHRM.* 2022;6(3):23-27.
33. **Mohamedahmed KA**; Abdallah AS; Talha AA; et al. Assessment of coagulation profiles among Sudanese psychiatric patients under antipsychotic drugs attending Hassan Allob Mental Hospital, Gezira State, Sudan (2020). *International Journal of Health Sciences.* 2022;6(S2):1862-1872.
34. Osman AMA; Ahmed AAEM; Osman A; **Mohamedahmed KA**; et al. Prevalence of Schistosoma haematobium among Schoolchildren in New Foci in Merowe Locality, North State, Sudan. *JUMJ.* 2022;9(1):37-44.
35. **Mohamedahmed KA**; Ali MS, Talha AA. Impact of Preeclampsia on Coagulation Profiles among Sudanese Pregnant Females Attending Wad Medani Maternity Hospital, Gezira State, Sudan. *Chinese J Med Res.* 2022;5(1):13-17.
36. Ibrahim RE; **Mohamedahmed KA**. The Role of 4G Allele in *Plasminogen Activator Inhibitor-1 (rs1799889)* Gene as Biomarker for Thrombophilic States among Patients with Type 2 Diabetes. *GMJ.* 2022;11:e2247.
37. **Mohamedahmed KA**; Ahmed AH; Talha AA; et al. Alteration of Coagulation Profiles in Hypothyroid Patients. *Int. J. Curr. Res. Physiol. Pharmacol.* 2022;6(2):1-5.
38. **Mohamedahmed KA**; Mohammed RM; Talha AA. Prevalence of Anemia among Patients with Type II Diabetes Mellitus, Alkhair Medical Center, Wad Medani, Gezira State, Sudan (2020). *International Journal of Healthcare and Medical Sciences.* 2022;8(3):13-18.

39. Abdelazeem H; Mergani A; Mohammed YA; **Mohamedahmed KA**; et al. Estimation of Homocysteine Level in Sudanese Obese, Gezira State, Sudan. *British Journal of Healthcare and Medical Research*. 2022;9(4):123-130.
40. Elshaikh RH; Amir R; Ahmeide A; **Mohamedahmed KA**; et al. Evaluation of the Discrimination between Beta-Thalassemia Trait and Iron Deficiency Anemia Using Different Indexes. *International Journal of Biomedicine*. 2022;12(3):375-379.
41. Afzal MF; Khalid W; Akram S; Khalid MA; Zubair M; Kauser S; **Mohamedahmed KA**; et al. Bioactive profile and functional food applications of banana in food sectors and health: a review. *International Journal of Food Properties*. 2022;25(1):2286-2300.
42. Ahmed AK; Elsiddig YM; **Mohamedahmed KA**; et al. Assessment of G6PD Activity among Diabetic Patients and Its Relationship with Hyperglycemia, Wad Madani, Gezira State, Sudan. *Open Access Library Journal*. 2022;9:e9399.
43. Jawish TAA, Hessen HM; Alshafeea MA; **Mohamedahmed KA**; et al. Red Cell Alloimmunization in Repeatedly Transfused Sudanese Patients with leukemia in Northern Sudan. *Asian Pacific Journal of Cancer Prevention*. 2023;24(1):21-24.
44. Abbas AOI; Gameel FEMH; Abdulla MHA; Elshaikh RH; Waggiallah HA; **Mohamedahmed KA**; et al. Correlation between Kidd blood group (Jk) and renal function tests in the End Stage of Chronic Kidney Disease (ESCKD) patients. *Medical Science*. 2023;27:e67ms2703.
45. Abdalla AA; Elmukashfi STA; Hassan AY; Dafalla A; **Abdelsamea K**. The Effect of Aspirin on HbA1c Assay Among Diabetic Hypertensive Patients Attending Abu Aqulah Centre in Wad Madani, Gezira State, Sudan. *International Journal of Diabetes and Endocrinology*. 2023;8(1):1-5.
46. Ahmed HKF; Elggourish AGA; Abdullah SE; Babker AMA; Alfeel AH; Abbas AOI; **Mohamedahmed KA**; et al. Association of Plasminogen Activator Inhibitor-1 4G/5G and Angiotensin-Converting Enzyme I/D Polymorphisms with Recurrent Pregnancy Loss in Sudanese Women: A Case-Control study. *International Journal of Biomedicine*. 2023;13(1):127-133.
47. **Mohamedahmed KA**. Association between Elevated TNF- α Levels and Severe Malaria. *GMJ*. 2023;12:e2927.
48. Abbas MI; Mohammed MS; **Mohamedahmed KA**. Determination of ACE Gene Polymorphism Among COVID-19 Patients as Predictive Marker of Increased Risk of Thrombosis. *Acta Scientific Clinical Case Reports*. 2023;4(5):01-02.
49. Abbas MI; Ahmed OZM; Haridy MS; **Mohamedahmed KA**; et al. Genetic Susceptibility of ACE1 Gene Polymorphism with Comorbid Diseases among Sudanese COVID-19 Patients. *IJAHRM*. 2023;7(4):59-64.
50. Abbas MI; Ahmed OZM; Haridy MS; **Mohamedahmed KA**; et al. Association between ACE1 Gene polymorphism and COVID-19 Disease Severity among Sudanese Hospitalized Patients. *IJAHRM*. 2023;7(4):87-91.

51. **Mohamedahmed KA**. Thrombocytopenia as Diagnostic and Prognostic Biomarker for Severity of Dengue Fever. *J Hematol Thrombo Dis*. 2023;11:543.
52. **Mohamedahmed KA**; Mubarak MO; Talha AA; et al. Assessment of Red Cell Distribution Width among Sudanese Patients with Subclinical Hypothyroidism. *International Journal of Biomedicine*. 2023;13(2):229-233.
53. Nawaz T; Nawaz S; Khalid W; **Mohamedahmed KA**. Dietary phytochemicals beneficial to obesity and cancer management: a review. *International Journal of Food Properties*. 2023;26(1):2006-2024.
54. Alsedeeg A; Abakar AD; Haroun HM; Talha AA; Elzaki SG; Mohamed MY; Mohamed HE; Eltayeb EA; Abu Elhasan OM; Mohammed YA; Ibrahim S; **Mohamedahmed KA**; et al. Association between Plasmodium Falciparum Merozoite Surface Protein-1 (PFMSP-1) and Severity of Falciparum Malaria Among Sudanese Children. *International Journal of Science Academic Research*. 2023;4(7):5946-5950.
55. Alsedeeg A; Abakar AD; Haroun HM; Talha AA; Elzaki SG; Mohamed MY; Mohamed HE; Eltayeb EA; Abu Elhasan OM; Mohammed YA; Ibrahim S; **Mohamedahmed KA**; et al. Allelic Diversity of Plasmodium *Falciparum* Merozoite Surface Protein-2 (PFMSP-2) and Multiplicity of Infection in Sudanese Children with *Falciparum* Malaria. *International Journal of Science Academic Research*. 2023;4(7):5951-5954.
56. Hamid KA; Abdalgali RAS; Mohammed YA; Mahgob R; **Mohamedahmed KA**; et al. Methylation Status of CDH1 Gene in Gastric Biopsy Specimens and Its Association with H. Pylori Infection. *Asian Pac J Cancer Prev*. 2023;24(12):4071-4076.
57. Babker AM; Dafallah SE; **Mohamedahmed KA**; et al. Factor V Leiden G1691A, Prothrombin G20210A, and MTHFR C677T mutations among Sudanese Women with Recurrent Pregnancy Loss. *International Journal of Biomedicine*. 2024;14(1):59-65.
58. Babker A; Abbas A; Shalabi M; **Mohamedahmed KA**; Lyashenko V. Edge Detection and Contrast Enhancement in the Examination of Megaloblastic Anemia Cells in Medical Images with Comparative Analysis of Different Approaches. *Biomed Pharmacol J*. 2024;17(4).

Peer Reviewing Activities

- Manuscripts reviewed: 25
- Reviewers for different journals: Merit Research Journal of Medicine and Medical Sciences, Saudi Journal of Pathology and Microbiology, BMC Pregnancy and Childbirth, BMC Public Health, PLOS ONE, BioMed Research International, Open Journal of Hematology, BMC Medicine, Clinical and Experimental Medicine, Edorium Journal of Case Report

Membership and Affiliations

- Member of the Society of Hematology Oncology (SOHO)
- Member of the Sudanese Consultant of Medical Laboratory Sciences
- Member of the Sudanese Society of Hematology

- Member of European Haematology Association (EHA)
- Member of the International Society of Hematology
- Member of the American Society of Hematology
- Member of the Editorial Board of different journals: Journal of Integrated Healthcare (JIH), Emerging Microbes and Infections, Chinese Journal of Medical Research (CJMR), Merit Research Journal of Medicine and Medical Sciences, American Journal of Health, Medicine and Nursing Practice, European Journal of Health Sciences (EJHS), Edorium Journal of Infectious Diseases

Conferences and Workshops

- Speaker at the European Hematology Association 2023 Hybrid Congress, Frankfurt, Germany (2023)
- Speaker at the European Hematology Association 2022 Hybrid Congress, Vienna, Austria (2022)
- Speaker at the Emerging Scientist Conference, Deira Dubai, UAE (2022)
- Speaker in International Conference on Public Health In Africa (CPHIA) organized by Africa CDC, Rwanda (2022)
- Participated in Annual Saudi Hematology Congress, Virtual Meeting, Riyadh, Saudi Arabia (2021)
- Speaker at the EMBL Conference (Virtual): BioMalPar XVI: Biology and Pathology of the Malaria Parasite, Heidelberg, Germany (2020)
- Participated in the Sudanese Association of Medical Laboratory Sciences Annual Meeting, Khartoum, Sudan (2019)
- Attended the DAAD Summer School in Germany (2018)
- Speaker at the 14th Conference of Sudanese Association of Pathologists, Khartoum, Sudan (2018)
- Conducted workshops on advanced hematological techniques, molecular diagnostics, molecular hematology, immunological techniques, research methodology and scientific writing

Languages

- Arabic: Native
- English: Fluent

References: Available upon request.