

**Rabab Hassan Elshaikh (CV)**

Email: [rababhassan1982@gmail.com](mailto:rababhassan1982@gmail.com)

Phone: 0096892856716

**PERSONAL DETAILS:**

Date of Birth: 01/01/1981

Citizenship: Sudan

Marital Status: Married

**CAREER OBJECTIVES:**

Seeking a challenging and rewarding career where I can upgrade my knowledge and skills and so add value to myself and the organization.

**EDUCATION:**

**2022** Ph.D. degree in Medical laboratory science (Haematology) – Al Gezira University – Sudan

**2010** MSc degree in Tropical Medicine, (Immunology) - Sudan academy of science – Sudan

**2005** BSc degree in Medical Laboratory Science– University of Science and Technology–Sudan

**2009** Diploma in computer science From Al firsan institute for technical studies – Sudan

**2022** Mini MBA, Master of Business Administration From Sudan University of science and technology– Sudan

**2022** Professional Diploma in Quality and safety in health laboratory from London Academy for training and education

**WORK EXPERIENCE:**

➤ **18** years total experience:

- **5** Years as a Laboratory Technologist and
- **7** years as a senior laboratory technician, supervisor, and Quality coordinator UAE experience of 8 years.
- **6** years as a hematology and immunology lecturer/assistant at the faculty of MLS sciences.

➤ Graduation project supervision since 2018.

➤ Expertise in Hematology, blood bank Immunology, Clinical Pathology and Clinical Chemistry, Microbiology, and Molecular biology.

➤ Participation in Dubai Accreditation Department (DAC).

➤ ISO-15189 – 2007 program

➤ Participation in the CAP program.

➤ Participation in the JCI program

➤ Lean Six Sigma skills

➤ **American Society for Clinical Pathology License (SH ASCPI)**

**WORK DURATION:**

**(2022- Current) Assistant professor** at the medical laboratory science department, **A 'Sharqiyah University**, Ibra, Oman.

**(2018– 2022) Lecturer and Graduation project supervision** (Hematology, Immunoematology and Immunology) at the University of science and technology, Faculty of Medical Laboratory science, Sudan.

**(2018– 2022) Medical laboratory specialist** at Alrihabi medical clinics private complex

**(2016 - 2017) Laboratory supervisor and Quality coordinator** at Euro Arabian Hospital (UAE- Sharjah)

**(2014- 2016) Senior Laboratory Technologist and laboratory Supervisor**\_at Gulf Medical University in the center of advanced biomedical Research and Innovation (CABRI), (UAE/Ajman).

**(2011-2013) Senior Laboratory Technologist** at Unilabs, scientific clinical laboratories, (Dubai, UAE)

**(2008-2010) Medical Laboratory Technician** at Ana Al Sudan Organization – Ethar Medical Centre

**(2008-2010) Medical Laboratory Technician** at Ana Al Sudan Organization – Ethar Medical Centre

**(2007- 2008) Medical Laboratory Technician** at British Islamic Aid Organization- Marzog Medical Centre

**(2005- 2006) Medical Laboratory Technician** at Military Hospital Central laboratory (Sudan).

#### LICENCE:

**Medical Profession License:** Permanent Member from Sudan as Medical Laboratory Specialist (1).

**SH ASCPi** membership certificate (American Society for Clinical Pathology)

**MOH** holder (UAE Ministry of Health) evaluated as a medical laboratory technologist.

**DHA** holder (Dubai Health Authority) Medical laboratory technologist, Hematology

**Scfhs license** (Saudi health authority) evaluated as a senior laboratory specialist.

**Driver's** License from Sudan, UAE, and Oman.

#### PROFESSIONAL TRAINING AND COURSES (Academic):

- ✓ **Basic of scientific research and scientific writing** (Medical and health sector) from Khartoum University Center for advanced training- Feb.-2021
- ✓ **Academic Guidance** from Khartoum University center for advanced training- Nov.-2020
- ✓ **Systems and methods of university teaching** from Khartoum University Center for Advanced Training- Dec.-2020
- ✓ **Using of instructional technology** in university teaching from Khartoum University Center for advanced training- Nov.-2020
- ✓ **Measurement and evaluation** from Khartoum University Center for advanced training- Nov. -2020
- ✓ **University teaching ethics** course from Khartoum University Center for Advanced Training- Dec.-2020

#### Interested courses:

1. **HEMATOLOGY PHYSIOLOGY** (production, destruction, and function) of blood, body fluids, and bone marrow.
2. **HEMATOLOGY DISEASE:** Disease states associated with qualitative/quantitative abnormalities of erythrocytes, leukocytes, and platelets.
3. **HEMATOLOGY LABORATORY TESTING** (Cell counts, differentials/morphology evaluation, hemoglobin/hematocrit, indices, hemolytic indicators, special stains, flow cytometry, molecular/cytogenetic testing, and other studies)
4. **HEMOSTASIS (Physiology** (pathways and vascular system), hemostasis-related disease states, and hemostasis lab determinations)
5. **LABORATORY OPERATIONS** (Quality assessment/troubleshooting, compliance, regulations, safety, laboratory mathematics, instrumentation, and laboratory administration)
6. **Basic Immunology** (Organs, cells, and molecular components of the immune system, Antigens, Antibodies, Innate immunity, Adaptive immunity, autoimmunity, and hypersensitivity)
7. **Advanced immunology** (Autoimmunity, Tumor immunity, Transplantation, infection, and immunity)
8. **General pathology** (Cell injury, adaptation, necrosis, apoptosis tissue repair, and Inflammation)

9. **Clinical biochemistry** (Proteins, hormones, carbohydrates, vitamins, and enzymes, , basic principles of clinical chemistry practice, body fluids, kidney, liver, lipid, functions)
10. **Introduction to medical laboratory sciences** (analytical techniques and instrumentation, analytical errors, laboratory professionalism, and ethics).
11. **Student Academic Supervision**, Mentoring, and research supervision (Undergrad, Postgrad levels).

**Publications (papers and books):**

1. abker A. M, Suliman R. S, **Elshaikh R. H**, Boboyorov S, Lyashenko V. Sequence of Simple Digital Technologies for Detection of Platelets in Medical Images. *Biomed Pharmacol J* 2024;17(1).
2. Asaad Ma. Babker1\*, Sarah Elsiddig Dafallah2 , Khalid Abdelsamea Mohamedahmed3 , **Rabab Hassan Elshaikh4** , Rania Saad Suliman5 ,Qubaa Ahmed Elzubair6 , Sanaa Efatih Hussein7 , Salaheldein G. ElzakiFactor V Leiden G1691A, Prothrombin G20210A, and MTHFR C677T Mutations among Sudanese Women with Recurrent Pregnancy Loss, [http://dx.doi.org/10.21103/Article14\(1\)\\_OA8](http://dx.doi.org/10.21103/Article14(1)_OA8) *International Journal of Biomedicine* 14(1) (2024) 59-65.
3. Sah, A.K.; **Elshaikh, R.H.**; Agrawal, S.; Vashishtha, A.; Rao, D.S.; Arora, K.; Rathore, R.; Choudhary, R.K.; Choudhary, A.S.; Zahir, F. et al. Prevalence and Epidemiology of Gastrointestinal parasitosis among the people of Dehradun, Uttarakhand. *African Journal of Biological Sciences*, <https://doi.org/10.33472/afjbs.6.5.2024.579-596>.
4. **Elshaikh RH**, Babikir HEH, Babker AMA, Shaya ASB, Alfahed A, Alharthi NS, Hhazi AM, Waggiallah HA. Molecular aspects of the common types of  $\beta$ -thalassemia mutations among Sudanese patients: a cross-sectional study. *Eur Rev Med Pharmacol Sci*. 2023 May;27(10):4520-4527. doi: 10.26355/eurrev\_202305\_32458. PMID: 37259733.
5. **Elshaikh R**, Hussein SE. Identification and Molecular Characterization of the Most Common Types of Beta Thalassemia Mutations in Sudanese Patients. *American Journal of Biomedical Science & Research*. 2019; 6:237-42.
6. **Elshaikh RH**, Amir R, Ahmeide A, Abdelsamea K, Mohamedahmed AH, Higazi H, Hussein SE, Babker AM. Evaluation of the Discrimination between Beta-Thalassemia Trait and Iron Deficiency Anemia Using Different Indexes. *International Journal of Biomedicine*. 2022;12(3):375-379.
7. **Rabab Hassan E** and Sanaa Efatih H. Hematological Characterization of Beta Thalassemia in Sudanese Patients. *Haematol Int J* 2020, 4(1): 000150
8. **Rabab Hassan**, Assessment of Antibody screening in multiple transfused patients in Sudan/ LAP Lambert Academic Publishing. 2019; ISBN; 9786200537270.
9. Yousif SA, Ahmed AO, Mohammed AO, Abd Alnasir B, AlTaybe AA, **Elshaikh RH**. Measurement of coagulation profiles (PT and APTT) among pregnant women with recurrent abortion in Sudan. *World Journal of Advanced Research and Reviews*. 2022;15(3):473-9.
10. Abbas AOI, Gameel FEMH, Abdulla MHA, **Elshaikh RH**, WaggiallahHA, Mohamedahmed KA, Sah AK. Babker AMA. 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.
11. Asaad Ma. Babker1\*, Sarah Elsiddig Dafallah2 , Khalid Abdelsamea Mohamedahmed3 , **Rabab Hassan Elshaikh4** , Rania Saad Suliman5 ,Qubaa Ahmed Elzubair6 , Sanaa Efatih Hussein7 , Salaheldein G. ElzakiFactor V Leiden G1691A, Prothrombin G20210A, and MTHFR C677T Mutations among Sudanese Women with Recurrent Pregnancy Loss, [http://dx.doi.org/10.21103/Article14\(1\)\\_OA8](http://dx.doi.org/10.21103/Article14(1)_OA8) *International Journal of Biomedicine* 14(1) (2024) 59-65.

## Summary of my work in CABRI AS LABORATORY SUPERVISOR:

- ✓ Review all the sample test results and update on the critical values to the designated authority prior to the report generation.
- ✓ Monitor the turn-around-time of test results are maintained.
- ✓ Verify rejection and repeat test criteria for patient samples.
- ✓ Assist in processing the sample tests as and when required, to fulfill the job demands.
- ✓ Ensure the lab technicians follow the good laboratory practices and adhere to appropriate personal protective measures as per the standard international guidelines.
- ✓ Review laboratory SOPs on periodic basis and contribute updated inputs.
- ✓ Review QC results to ensure they are within the acceptable limits and guide the technicians to take corrective and preventive action for QC failures as per the standard guidelines.
- ✓ Provide support on method validation for the new introductions and pertinent to ensure product quality.
- ✓ Provide support to ensure proficiency survey expectations are met and appropriate corrective and preventive measures are executed.
- ✓ Verify and monitor machine calibration and maintenance, temperature control (Laboratory environment & equipment), storage of reagents, kits and samples and pertinent supporting documents are maintained on a daily and/or monthly routine.
- ✓ Review and ensure the lab stocks are maintained appropriately as per the pre-defined quality standards.
- ✓ Ensure proper disposal of biohazard wastes generated and appropriate infection control in the lab.
- ✓ Provide support on the job training of lab technician in adherence to the standard operating procedure.
- ✓ Ensure appropriate lab records are maintained as per the standard guidelines.
- ✓ Prepare duty roaster for the lab technicians appropriately to ensure optimum utilization of the human resources.
- ✓ Assist in identifying the potential lab technicians, through the interview process to meet the resource requirement.
- ✓ Maintain professional conduct with internal and external customers
- ✓ for a robust working environment.

### MACHINE TRAINING CERTIFICATES:

- Roche machines, Elecsys 2010. Cobas 6000. e411. Cobas-C111. Cobas-C11, Integra, Selectra pro M).
- Sysmex CBC machines: XT2000i.XS 500i.XT1800.
- Coagulation machines: Stago and Vital Turbiquick, Clot 2B.
- Blood bank machines: Ortho for blood grouping/DCT/ICT/Antibody Screening /cross matching and antibody identification
- Urine machines : IRIS and Uri scan optima
- Hemoglobin electrophoresis : HPLC TOSHO machine G7 for thalassemia +GXfor Hb A1c and Helena V8 for hemoglobin and protein electrophoresis.
- Immunology machines: Immulite 200 XPI ,ELISA davinci quadro for food intolerance test. Antimularian hormone, free testosterone and Chorus and Alegria machine for immunology
- PCR for HPV and 7 STDs: Genomica machine by manual extraction and visualization. And Infinity PCR fully automated machine also for HPV and 7 STDs.

### SKILLS

#### Technical Skills:

Experience in Haematological methods, Manual and automatic, Blood film, Retic count ,nRBCs count and slide screening for malaria, Anaemia, Leukaemia , all Hemoparasites , Serological testing & Reporting of Beta –thalassemia screening by HPLC method (Tosho machine).

I have worked in fully equipped laboratory and experience in all analyser , Biochemistry Roche, (Cobas C111 C.501, Mindary, Randox), Selectra Pro for chemistry, Hormones Hitachi ( Elecsys-2010 , Cobas e 411 and 6000 series C.601 ) , I have good experience in immunological tests by Elisa manual or automated, all

infectious diseases test (CMV, HSV, Rubella, chlamydia, Toxo, treponema, etc & Auto immune diseases ANA ANCA, ASMA, Liver autoimmune plus food intolerance test (270) , Food allergy, Inhalant +Hormones –ACTH, PTH, Tsh receptor, GH, 17-oH prog, Free testo, & AMH.etc ( Machine Elisa Davinci Quattro – Chorus and alegria for immunology ). Sysmex for CBC, different Coagulation analyzers .PCR Machine by manual extraction & visualization. Moderate experience in Microbiology.

Expertized in double marker & triple marker report by PRISCA software program, Immulite machine .

Also Quality controls internal, external and third party controls, includes inventory checking for the reagent kits, westgard rules and calibration, documentation as in ISO and CAP check list, also I have good skills in Lean six sigma program. Preparation of SOPs for each new test and kit validation to implement for testing. Finally recording and reporting the result in LIS, LDM, HIMS.

✚ **Interpersonal Skills:** Efficient and self-motivated

✚ **Communication Skills:** Fluent Arabic, written and spoken.  
Good English, written and spoken.

✚ **Conferences and membership:**

- Organization for Women in science for the Developing World (OWSD)- member.
- National Tuberculosis Program membership (NTP) member.
- National association for Health Care Quality (NAHQ) –member.
- Clinical and Laboratory Standards Institute (CLSI)- volunteer.
- Arab health conferences from 2011-2017-attendance.
- Annual Saudi Hematology Congress 2021 (ASHC)-attendance.
- European Hematological Association, EHA 2022 Hybrid Congress.
- SOHO Saudia Arabia 2022 virtual meeting 9-14/Oct/2022.

✚ **REFERENCES:**

Dr. Kassim Daoud: Director (SCL), Dubai: +971-043586606

Dr. Janan Alzahid: Medical director (SCL) ,Dubai: +971-551056404.

Dr. Mohamed Daoud: CEO Unilabs , Dubai: +971551056406

Dr. Palat K Menon: Gulf medical university, CABRI director: +971561805599

Dr. Rehab Sawaf: Laboratory director (Euro Arabian hospital-UAE) +971561985437

Dr. Noon Babiker: Dean of the university of science and technology, MLS faculty: +249916772497

Prof. Haydar Al hadi babikir: Dean of medical college Al Gezira University: 00249920720000

Prof. Sanaa Elfatih: Saudia Arabia, Aljoug university: 00966557756011

LinkedIn profile: <https://www.linkedin.com/in/rabab-elshaikh-6795608b>

<https://www.researchgate.net/profile/Rabab-Hassan-Elshaikh>

ORCID iD: 0000-0003-0973-8661.