




PERSONAL INFORMATION

Mohammed Tofiq Salih



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Sex/ Male

Date of birth/ 20/11/1988

Nationality/ Iraqi

EDUCATION AND TRAINING

- September 2016- June 2017 Graduation and collection of Diploma at Istanbul University
- Accomplished M.Sc. degree in Bio-nanotechnology at Istanbul University, Istanbul, Turkey with a GPA (3.19).
- September 2014- June 2016 **The MSc. thesis topic was about (Toxicological Analysis and *In Vitro* Immunogenicity of Gold Nanoparticle based Vaccination Platform)**
- ✓ Professionally qualified and experienced with (BAKHAUTDIN RESEARCH GROUP) for two years.
 - ✓ Expertise in Cell culture lab. had whole responsibility for maintaining, managing and manipulating (at R & D research center's cell culture lab at Fatih University) such as monitoring sterility, aliquot preparation, passaging, cell line-based experiments, and training new students at cell culture lab. maintained secondary, primary and double transfected cell lines.
 - ✓ worked on several different experiments for instance, *in vitro* and *in vivo* cytotoxicity assay, proliferation assay, histological experiments (perfusion, tissue preparation, embedding, and slide preparation) correspondingly.
 - ✓ Well skilled at RNA extraction, cDNA synthesis and Q- PCR sample preparation.
 - ✓ Qualified to do Enzyme-Linked ImmunoSpot Assay (ELISpot Assay).
 - ✓ Achieved certificate for handling and monitoring experimental animals at Boğaziçi University (September 2015). In addition, during the experimental sessions empirically accomplished all aspects of animal models.
- September 2009 – July 2013 Achieved B.Sc. degree in General Biology at University of Sulaimani in Iraq.
- ✓ Average grade is (69.6202%), 16th ranked among 74 students.
 - ✓ A fourth-year research project at bachelor's degree, was supervised by Dr. Salih Ahmed Hama. It was being done towards factoring affecting lymphocyte counts, mainly some factors which are affecting on lymphocyte counts among sixty cases included both sexes and different ages. Smoking, pregnancy, and hypertension were selected as the hypothesis for this study.
- September 2008 – July 2009 High school graduation - Said Sadiq high school.
- ✓ Successfully completed high school with an average degree 90%.

PERSONAL SKILLS

Mother tongue(s) Kurdish

Other language(s)

English language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	C1	C1	C1	B2	B2

Arabic language	B1	C1	A1	A1	B2
Turkish language	A2	A1	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills I have acquired my communication skills through academic experience, self-study, and daily negotiation.

Organisational / managerial skills

- Head of Medical Laboratory Analysis Department at Cihan University/ Sulaimaniya since September 2023-present.
- Head of Medical Laboratory Department at Kurdistan Technical Institute (KTI) from November 2018 to September 2023.
- I was independent researcher at (R & D RESEARCH CANTER OF FATIH UNIVERSITY) for two years simultaneously I had full responsibility in cell culture lab. for training beginner researchers to become independent researcher as well (2014-2016).

Job-related skills

Accomplished relevant skills in a variety of laboratories such as;

Molecular biology laboratory works:

- ✓ (DNA extraction from Prokaryotes (G-ve bacteria and G+ve bacteria),
- ✓ DNA extraction from Eukaryotes (Spleen, Liver),
- ✓ Gel electrophoresis and optical absorbance,
- ✓ Preparation of Plasmid DNA,
- ✓ Restriction digestion of genomic DNA, exchange of genomic information (Transformation, Conjugation, and Transduction),
- ✓ Polymerase chain reaction (PCR),
- ✓ Recombinant DNA technology (cloning and southern blotting) and
- ✓ RNA extraction from bacteria and Eukaryotic cells.

Microbiology laboratory works:

- ✓ Laboratory equipment preparation & sterilization,
- ✓ Culture media preparation,
- ✓ Isolation of bacteria, and culture characteristics of bacteria,
- ✓ Microscopic examination of bacteria & simple staining, differential staining (Grams Staining, Acid Fast Stain, Spore stain & Capsule Stain),
- ✓ Enumeration of bacteria (Viable Count & Total Count),
- ✓ Biochemical tests for bacterial characterization (Mineral Growth Requirement and Substrate Utilization & Detection of Metabolic End-Product),
- ✓ Biochemical tests for bacterial characterization (Triple Sugar Iron Agar Test (TSI agar test), starch Hydrolysis & The API System).

Other skills

Computing:

✓ Windows, Microsoft office programs (Word, PowerPoint, Excel).

Software related to Biostatistics;

- ✓ IBM SPSS statistics 20, Minitab17 statistical software, Stat graphics, GraphPad-Prism-6.01, and Origin Pro 2015.

Bioinformatics and Molecular biology data analysis resources;

- ✓ BLAST, FASTA, EMBOSS, and CLASTAL W.

Managing research and bibliography programs

- ✓ END NOTE and MENDELEY.

TEACHING SKILLS

- Teaching ability development** I completed a three-month or (120 hrs.) teaching ability development course in the fourth-round on (November 07th, 2017- January 31st, 2018). This course was organized by Sulaimani Polytechnic University under the University board decree numbered (5370) for taking up this course.
- Teaching experience**
- ✓ Taught Human Biology to the 1st semester's students at Medical Lab. Department- KTI in the Fall semester of 2018.
 - ✓ Taught Medical Terminology to the 2nd semester's students at Medical Lab. Department-KTI in the Spring Semester 2019.
 - ✓ Taught Medical ethics & Lab. Safety to the 2nd semester's students at Medical Lab. Department-KTI in the Fall Semester 2019.
 - ✓ Taught Microbiology to the 1st Semester's students at Medical Lab. Department-KTI in the Spring Semester 2020.
 - ✓ Taught Immunology to the 3rd Semester's students at Medical Lab. Department-KTI in the Fall Semester 2021-2023.
 - ✓ Taught Histotechnology to the 4th Semester's students at Medical Lab. Department-KTI in the Spring semester 2021 & 2023.
 - ✓ Taught Molecular Diagnostics to the 4th Semester's students at Medical Lab. Department-KTI in the Spring semester 2022- 2023.
 - ✓ Taught Introduction to Laboratory Medicine to the 1st Semester Medical Lab. students at Qiwan International University.
 - ✓ Taught Fundamentals of Immunology to the 1st Semester Medical Lab. students at Qiwan International University.

ADDITIONAL INFORMATION

- Publications** Co-authored for five unpublished research papers which are in publishing processes. The topics belong to three projects.
- ✓ Design and Characterization of Gold Nanoparticle Based Novel Antigen-Adjuvant Co-Delivery Platform for Target-Specific Th1 Activation.
 - ✓ The effectiveness of different chitosan derivatives on *in vitro* and *in vivo* wound healing.
 - ✓ Synthesize modified silica nanoparticle filter with multifunctionalities as an inorganic filter for the dental matrix.

- Conferences** **Salih MT**, Polat O, Tursunbayev N, Göksoy İT, CAN SN, Ozturk R, Bakhautdin EG, and Bakhautdin B. *In vitro* and *in vivo* immunogenicity of a novel gold nanoparticle-based vaccine platform. Poster presented at 12th International Nanoscience & Nanotechnology Conference (NanoTR-12) held between 3-5 June 2016 at Elite Hotel Daraca, Kocaeli- Turkey.

Ozturk R, Bakhautdin B, Bakhautdin EG, Polat O, **Salih MT** and Tursunbayev N. Design and characterization of gold nanoparticle-based cancer vaccine. 8th World Medical Nanotechnology Congress & Expo June 08-09, 2016 Dallas, USA.

References

Supervisor at MSc & head of Bakhautdin research group.

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Lecturer for two of my courses at MSc (Bioinformatics and advanced Bioinformatics)

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Co-Supervisor & Research advisor at Bakhautdin research group.

Esen Bakhautdin,

Former Assist prof. at closed Fatih University,

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