

Prof. Dr. Ahmed Mohammed Salih (CV)

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PhD (MM), MSc (MMM), MSc (Immunol.)

Professor of Molecular microbiology & Immunology

Vice president for administrative and financial affairs

Dean, College of Medicine

University of Duhok, Duhok

Duhok, Kurdistan Region, Iraq

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Date of birth: 15.Oct. 1964

Current Positions:

- Dean, College of Nursing, University of Duhok, 2023 till now

Previous Positions:

- Vice president for administrative and financial affairs - university of Duhok (2018- 2022).
- Dean, college of medicine, university of Duhok (September 2020- November 2021).
- Head, Medical Research Center, College of Medicine University of Duhok (2015- 2018).
- Dean, Faculty of Science, Duhok University, Dec. 2010 – Sept. 2015
- Dean, College of nursing, Duhok University, Sept. 2008 - Dec. 2010
- Vice Dean, College of Medicine, Duhok University, May 2007 - Sept. 2008
- Head, Scientific & post graduate office, College of Medicine, Duhok University, Sept. 2006 - May 2007
- Head, Microbiology department, College of Medicine, Duhok University, Jan. 2007 - May 2007
- Vice Dean, college of medicine, College of Medicine, Duhok University, Sept. 1998 - Aug. 2002
- Head, registration office, College of Medicine, Duhok University, May 1997 - Sept. 1998

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Education

- Ph.D., Molecular Microbiology, University of Nottingham, UK, in collaboration with university of Duhok, 2006.
- M.Sc., Molecular Medical Microbiology, the university of Nottingham, UK, 2005.
- M.Sc., Immunology, University of Salahaddin-Erbil, 1996.
- B.Sc., University of Mosul, 1986.

Academic Experience:

- As a professor of molecular microbiology and immunology, I committed to be teaching duties in both undergraduate and postgraduate students, also I am spending much of my time in the research field through supervising the M.Sc. and Ph.D. students and also sharing other researchers in the university to conduct researches.
- For the last 25 years, I have been involved in teaching the (Medical immunology) for the third year medical students, as getting my first M.Sc. in immunology. Once I earned my second M.Sc. degree and Ph.D. degree in the field of (Molecular Medical Microbiology) with the collaboration of Nottingham university, UK, I have started since 2006 to teach the Molecular Microbiology and Immunology for postgraduate students (both Ph.D. and M.Sc.) in medical college and science students at the university of Duhok. All my researches are conducted in the field of (Molecular Microbiology and immunology).
- The other part of my working time is usually spent for research management. As a chief, medical research center, I need to collaborate with other departments at the college including the research, to draw and prioritize research projects to fulfill the scientific plan at the college.

Workshops and other Certificates:

- University of Glasgow, Erasmus Plus workshop, Scotland, UK, 2022
- Medi-Tach workshop, Leipzig, Germany, September 2019
- Medi-Tech workshop, Malta, June 2019
- EACR-ESMO joint conference on liquid biopsies, Bergamo, Italy, 15-17 May
- Medical education, Slovakia, sponsored by Erasmus Mondos +

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(EU), MediTech, 21-24 November 2018

- Professional Development Workshop, Bridgewater State University, Boston, USA, 2013.
- Collaboration workshop between Michigan State University and University of Duhok on Higher Education, Michigan State University Michigan, USA, 2013.
- Best practices in publishing research, UoD, 2012
- University staff development, UoD, 2012
- Scientific conference of the faculty of medical sciences, UoD, 2012.
- Staff Development training for medium level leaders of universities (University of Kassel, Germany), 2012.
- Infection control in hospitals, Shahid Beheshti Hospital, Tehran, Iran, 2009.
- Molecular techniques in the diagnosis of trans-boundary diseases, Razi Research Center, Tehran, Iran, 2008
- Molecular Techniques in Disease Diagnosis, Pendik Research Center, Istanbul, Turkey, 2008
- Molecular Techniques, UoD, 2007
- ELISA Technique (FAO, UN), UoD, 2001

Ph.D. / M.Sc. Program Supervision:

- Assessment of hospital acquired infections due to MRSA in Duhok city, 2007. M.Sc.
- Sensitization of human cord blood lymphocytes against CEA under heat shock conditions, 2008, M.Sc.
- HLA typing using SSP-PCR in comparison with the serological methods in Duhok City, 2008, M.Sc.
- Using nested PCR in detecting Rifampicin resistant TB, 2011, M.Sc.
- Clinical and epidemiological characterization of Mycobacterium TB isolated from Duhok province, 2012. Ph.D.
- Detection of BRAF mutation among thyroid cancer patients in Duhok, 2013, M.Sc.
- Genotyping of Echinococcus granulosus isolated from human and some domestic animals using RFLP, 2013, Ph.D.

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- The role of PCT in Streptococcus pneumonia infections, 2014, M.Sc.
- The role of PCT in Salmonella typhi infections, 2014, M.Sc.
- The level of IL-1 & IL-8 secreted in Saliva in Bahjet disease patients, 2014, M.Sc.
- Detection of H-pylori in aphthus stomatis patients using PCR, 2015, M.Sc.
- Anti- cellular compartment antibody level in Behcets disease patients, 2015, M.Sc.
- The validity of HBsAg test in active chronic hepatitis B diagnosis. 2016, ongoing M.Sc. project
- Heat shock (40, 70 , 90) profile among hepatitis B patients in Duhok city. 2020, Ph.D. project
- *Braf* gene methylation in thyroid cancer patients. 2016, Ph.D. project 2020
- Hepatitis C infection, PhD project, 2019
- Latent TB infections among close contact. M.Sc project. 2020
- Prevalence and outcomes of diabetes among covid-19 patients in Duhok covid-19 health facilities: a cross-sectional study. MSc project, 2022
- Covid 19 association with vitamin D, PhD project, ongoing
- Incidence of enterococci in Kurdistan Region, PhD prohect, ongoing.
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Publications:

- HSP60 Induces carcino embryonic antigen sensitization and cytotoxic activity of human cord blood T lymphocytes on HELA cancer cells, Duhok Medical Journal
- Determination of Dyspepsia Causes in Patients Attending Endoscopy dept (2018). Barwari, W., Goreal, A., Salih, A., & Ibraheem, N. N. of Azadi Teaching Hospital in Duhok City. *Zanco Journal of Medical Sciences (Zanco J Med Sci)*, 14(1 Special), 121–126. Retrieved from <https://zjms.hmu.edu.krd/index.php/zjms/article/view/528>
- Risk factors for multi-drug resistant tuberculosis: a review, Duhok Medical Journal
- First insight into the genetic diversity of *Mycobacterium tuberculosis* strains from patients in Duhok, Iraq, *Chemotherapy*, (56), 2010.
- First insight into the drug resistance pattern of *Mycobacterium tuberculosis* in Dohuk, Iraq: Using spoligotyping and MIRU-VNTR to characterize multidrug resistant strains, *Journal of Infection and Public Health*, (4), 2011.
- The Most Predominant Spoligopatterns of *Mycobacterium tuberculosis* Isolates among Iranian, Afghan-Immigrant, Pakistani and Turkish Tuberculosis Patients: A Comparative Analysis, *International journal of Mycobacteriology*, (1), 2012.
- Ophthalmia neonatorum in Duhok, North of Iraq, bacteria causative agents and their antibiotic sensitivity pattern, *ISRA medical journal*, (4), 2012.
- Human Leukocyte Antigen (HLA) typing by polymerase chain reaction-sequence specific primers (PCR-SSP) in comparison with serological methods, *Duhok Medical Journal*, (6), 2012.
- Molecular determination of *Echinococcus granulosus* isolated from human hydatid cyst using mitochondrial *nad1* gene sequencing in Duhok Province- Kurdistan Region, Iraq, The first scientific international Conference of Zakho University, 2013.
- Molecular Characterization of *Echinococcus granulosus* isolated from human hydatid cyst using mitochondrial *cox1* gene sequencing in Dohuk Province- Kurdistan Region, Iraq, *The Journal of University of Zakho*, (1), 2013.
- BRAFV600 gene mutation in thyroid cancer in Duhok-Iraq. *Duhok Med J* 2015; 9 (2): 30-36.
- Association of Complement Factor H Gene (*CFH*) Single Nucleotide Polymorphism with

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Recurrent Aphthous Stomatitis. Duhok Med J. 2018; 12(1).

- Latent *Mycobacterium Tuberculosis* Infections among Diabetic Patients Attending Shilan Private Hospital, Duhok City; Prevalence and Risk Factors. JSMJ. 2020. 10:2
- Molecular detection of oral *Helicobacter pylori* with *vacA*, *cagA*, and *dupA* virulence genes in Recurrent Aphthous Stomatitis patients in Duhok, Kurdistan region, Iraq. 2020. Duhok medical journal, 14(2)
- BRAF gene mutation and cd56 immunoeexpression in papillary thyroid carcinoma in duhok-iraq. 2017. JSMC. 7(3)
- *MTHFR* C677T polymorphism and thyroid cancer risk in Duhok, Kurdistan Region –Iraq. 2018. ZJPAS. 30(1)
- The significance of serum anti- rituximab (anti-CD20 monoclonal antibody) antibodies in treatment response of patients with B- cells malignancy. Al-Kufa university journal of biology. 2019. 11(2)
- Immunological and biochemical parameters of chronic hepatitis b infection among patients in duhok city – Kurdistan region / Iraq. Awaz A. Saadi, Ahmed Mohamed Salih, Muayad A. Merza. Duhok Med J. 2019. 13(2). P54-65.
- S100A4 and S100A6 Proteins Expression Promote Migration of Bladder Cancer Cells in Zebrafish. Hanaa Al-Mahmoodi, Ibtihal Alshamarti¹, Qais Ibraheem Al-Ismaeel², Ahmed Mohamed Salih³, Hishyar Azo Najeeb⁴, Rusul Mohammed Al-Rubaay⁵
Medical Journal of Babylon, 2019, 16: 3, Pages 192-198
- First insight into latent tuberculosis infection among household contacts of tuberculosis patients in Duhok, Iraqi Kurdistan: using tuberculin skin test and QuantiFERON-TB Gold Plus test. Fatima Nawaf Abdulkareem, Muayad Aghali Merza, Ahmed Mohammed Salih. IJID. 2020. 96, 97-104
- Serum hsp 70 levels of chronic hepatitis b patients are substantially correlated with HBsAg. Awaz A. Saadi , Ahmed M. Salih , Muayad A. Merza. EMBJ. 2020. 15(20) 85-89.

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- p53, PTEN tumor suppressor gene methylation in thyroid cancer. Ghazwan Fawzi Ahmed, Intisar Salim Pity, Ahmad Muhammad Salih. *Al-Kufa University Journal for Biology*. 2019. 3(11).
- Hussein HQ, Salih AM, Merza MA. PREVALENCE AND OUTCOMES OF DIABETES AMONG COVID-19 PATIENTS IN DUHOK COVID-19 HEALTH FACILITIES: A CROSS-SECTIONAL STUDY. *Health Problems of Civilization*. 2023;17(1):24-35. doi:10.5114/hpc.2022.122344.
- Hishyar Azo Najeeb, Karzan Khowaraham Karim, Galawezh Obaid Othman, Ayad Ahmad Mohammed, Ahmed Mohammed Salih, Soleen Sardar Zuhdi, Dian Jamel, DNA damage level in lymphocytes and buccal epithelial cells in Narghile smokers and non-smokers in Duhok city-KRG-Iraq, *Oral Oncology Reports*, Volumes 1–2, 2022, 100002, ISSN 2772-9060, <https://doi.org/10.1016/j.oor.2022.100002>. (<https://www.sciencedirect.com/science/article/pii/S2772906022000024>)
- M-Amen K, Abdullah OS, Amin AMS, Mohamed ZA, Hasan B, Shekha M, Najmuldeen HH, Rahman FM, Housein Z, Salih AM, Mohammed AS, Sulaiman LR, Barzingi BT, Mahmood D, Othman HE, Mohammad DK, Salih FM, Ali SAK, Mohamad TS, Mahmood K, Othman GO, Aali MH, Qader G, Hussen BM, Awla FA, Kareem SW, Qadir FA, Taher DM, Salih A. Cancer Incidence in the Kurdistan Region of Iraq: Results of a Seven-Year Cancer Registration in Erbil and Duhok Governorates. *Asian Pac J Cancer Prev*. 2022 Feb 1;23(2):601-615. doi: 10.31557/APJCP.2022.23.2.601. PMID: 35225473; PMCID: PMC9272643.
- Nadia Tawfiq Jaffer, Aleen Sardar Al-noori, Ahmed Mohammed Salih, Soleen Sardar Zuhdi. Molecular Detection of Oral *Trichomonas Tenax* among Individuals Attending Dental Care Units Using Pcr in Duhok City – Kurdistan Region. *The journal of University of Duhok*. 2019, 22:2. DOI: <https://doi.org/10.26682/sjuod.2019.22.2.22>
- AHMED MOHAMMED SALIH. MOLECULAR DETECTION OF ORAL *HELICOBACTER PYLORI* WITH *VACA*, *CAGA*, AND *DUPA* VIRULENCE GENES IN RECURRENT APHTHOUS STOMATITIS PATIENTS IN DUHOK, KURDISTAN REGION, IRAQ. *Duhok Medical Journal*. 2020, 14:2