

Academic Curriculum Vitae



Personal Information:

Full name: Shukur Wasman Smail

Academic Title: Lecturer

Email: (university email): shukur.smail@su.edu.krd

Phone Number: +964 750 4491092

Address: Salahaddin University-Erbil, Erbil City, Iraq

Date of Birth: July 15, 1984

General Specialization: MSc in Immunology

Specific Specialization: PhD in Immunogenetics and Viral Immunology



EDUCATION

From 1-10-2008 to 1-6-2013 BSc. University of Salahaddin-Erbil-/Biology department-Kurdistan-Erbil-Iraq

Course Taken:

First stage: Zoology, Botany, Chemistry, Biostatistics and experimental design, Computer Sciences, Biophysics, Paleontology, English Language, Kurdology.

Second stage: Parasitology, Cell and Molecular Biology, Algae and Archegoniate, Invertebrates, Plant anatomy and Taxonomy, Biochemistry, Microbiology.

Third stage: Histology and Embryology, Entomology, Animal physiology, Ecology and Pollution, Micro technique, Mycology and Virology, Microbial physiology, Sewage and Soil Microbiology.

Final stage: Plant physiology, Medical Microbiology, and Immunology, Food and Industrial Microbiology, Hematology and Ecophysiology, Comparative Anatomy, Genetics, Research Project, Medical Entomology.

My Average 94.113%

I was ranked first in the 35th round of graduation at Salahaddin University among 5723 students from 14 colleges

EDUCATION

From 2014 to 2016 MSc. In Immunology at the University of Salahaddin-Erbil\Biology department Kurdistan-Erbil-Iraq.

Course Taken:

First course: Advanced Biostatistics, Research Methods and Thesis Writing, Advanced Molecular Biology, Advanced Biochemistry.

Second course: Advanced Medical Microbiology, Advanced Cell Physiology, Medical Immunology, Seminar.

My Average 89%

I was also ranked first

EDUCATION

From 2020 to 2023 Ph.D. In Immunology and virology at the University of Salahaddin-Erbil\ Biology department Kurdistan-Erbil-Iraq.

Course Taken:

First course:

Second course: Medical Neurology, Introduction to Bioinformatics, Medical Immunology, Epigenetics and Bio-separation.

My Average 92%

I was also ranked first

Employment:

-Bachelor: 2013

-Master degree: 2016

-PhD degree: 2023

EXPERIENCES**Location**

From 2013-now

**Teaching at the Department of Biology, Salahaddin University-Erbil
Subjects: Clinical Immunology (Theory and practical)**

- Graded lab exercises, quizzes, and practical
- Provided assistance during lab setup and instruction
- Created, implemented, standardized and revised laboratory techniques and test procedures
- Gathered and processed all biological samples for immunological studies
- Handled and tested a variety of human body fluids, like blood, urine, and spinal fluid, in the laboratory
- Reviewed, validated, and recorded all laboratory test results properly
- Calibrated and performed preventive maintenance on all assigned laboratory instruments
- Trained and guided all lab assistants and medical interns on laboratory procedures

Location

From 2016-2017

Teaching at Erbil technical health college of Erbil Polytechnic University

Subjects: Human Anatomy (Theory and practical)

- Selected innovative teaching methods to deliver course content
- Used diverse teaching methods, including lectures, presentations and class activities to deliver curriculum
- Provided advice and support to students both individually and in groups, allowing optimal academic results to be achieved

Location

From 2017-2018

Teaching at Knowledge University, College of Science, Pathological Analysis

Subjects: Human Anatomy and Physiology (Theory)

- Helped students understand topics by initiating and moderating classroom discussions
- Met course and department instructional goals by integrating key competencies into lesson plans
- Established appropriate deadlines and provided complete instructions for reading assignments and homework
- Administered assessments and standardized tests to evaluate student progress
- Helping students to learn SPSS and GraphPad prism for statistical analysis

From 2018-2020 Researcher at the Research Center of Medical analysis-Tishk International University.

- Managing research projects
- Networking and collaborations with international research institutes
- Development of animal models and in vitro assays to study blood pressure
- Experimental design and data analysis
- Molecular Biology (PCR + gel electrophoresis)
- Teaching experience and student supervision

Location

From 2020-now

Researcher at the Cihan University-Erbil

Since 2020, I have been actively engaged as a researcher at Cihan University-Erbil. My primary responsibility in this role is to conduct in-depth research and publish scholarly papers in collaboration with the university. Over the course of my tenure, I have successfully published more than 12 research papers, contributing to the academic and scientific community in various fields. My research work involves:

1. Identifying and exploring new research topics: I regularly identify emerging trends and gaps in existing literature to propose innovative research projects.

2. Conducting thorough literature reviews: I perform comprehensive reviews of existing studies to build a solid foundation for my research.
3. Designing and implementing research methodologies: I develop robust research designs and methodologies to ensure the accuracy and reliability of my findings.
4. Data collection and analysis: I gather and analyze data using various qualitative and quantitative methods to draw meaningful conclusions.
5. Writing and publishing papers: I meticulously write research papers, ensuring they meet high academic standards, and submit them to reputable journals for publication.
6. Collaborating with academic peers: I work closely with colleagues and other researchers, both within and outside the university, to enhance the quality and impact of my research.
7. Presenting findings at conferences: I actively participate in national and international conferences, presenting my research findings and engaging with the broader academic community.

Training and international conferences

Name	Date	Location
International Brain Research Organization	11-18/03/2014	Erbil-Iraq
23rd European Congress on Gynecological Oncology	27-30/11/2022	Berlin-Germany

Published papers

1. ABDOLMALEKI, A., KHUDHUR, Z. O., **SMAIL, S. W.**, ASADI, A. & AMANI, A. 2023. FeCo- Chitosan/DNA nanoparticles for gene transfer to MCF-7 breast cancer cells: preparation and characterization. *Basic & Clinical Cancer Research*. <https://doi.org/10.18502/bccr.v13i4.14399>
2. ISHAQ, S. E., ABDULQADIR, S. Z., OMAR, S. A., QADIR, M. K., KHDIR AWLA, H., RASUL, M. F., BAPIR, A. A., ZANICHELLI, A., MANSOOR, M. K. **SMAIL, S. W.**, & KALEEM, M. 2021. Comparative study of SARS-CoV-2 antibody titers between male and female COVID-19 patients living in Kurdistan region of Iraq. *Gene Reports*, 25, 101409. <https://doi.org/10.1016/j.genrep.2021.101409>
3. JALAL AHMED, H., OMAR KHUDHUR, Z., SAADI JUMAAH, S. **SMAIL, S. W.**, & YASIN KARIM, A. 2022. Does the cytomegalovirus infection cause kidney transplant rejection in Erbil city patients, Kurdistan region of Iraq? *Zanco Journal of Pure and Applied Sciences*, 34. <https://doi.org/10.21271/zjpas>
4. KHUDHUR, Z. O., OTHMAN, G., OTHMAN, G. O., JAJAAR, A. M., QADIR, M. K., AWLA, H. K., QASIM, S. S., HADI, S. M., KHAN, S. S., NOREEN, & S. **SMAIL, S. W.**, 2023. Lack of association between the eNOS rs1800779 (A/G) polymorphism and the myocardial infarction incidence among the Iraqi Kurdish population. *Journal of Taibah University Medical Sciences*, 18, 162-169. <https://doi.org/10.1016/j.jtumed.2022.08.006>
5. MIASKO, M. H., **SMAIL, S. W.**, KARIM, A. Y., QADIR, M. K., BAPIR, A. A., OMAR, S. A., ISMAIL, I. I., **SMAIL, S. W.**,TAHA, O. S., KHUDHUR, Z. O. & JALAL, K. F. 2020. Association study of polymorphisms at A66G (rs1801394) of MTRR gene and autism spectrum disorders in a Kurdish population. *Gene Reports*, 21, 100949. <https://doi.org/10.1016/j.genrep.2020.100949>

6. OMAR KHUDHUR, Z., ZIYAD ABDULQADIR, S., FAQIYAZDIN AHMED MZURY, A., AZIZ RASOUL, A., **SMAIL, S.**, GHAYOUR, M. B. & ABDOLMALEKI, A. Epothilone B loaded in acellular nerve allograft enhanced sciatic nerve regeneration in rats. *Fundamental & Clinical Pharmacology*, n/a. <https://doi.org/10.1111/fcp.12961>
7. QADER, G., AALI, M., **SMAIL, S. W.**, MAHMOOD, K., HASAN, B., KARWAN, M., RAHMAN, D. B., QADIR, F. A., MOHAMMAD, D. K. & NAJMULDEEN, H. H. 2021. Cardiac, hepatic and renal dysfunction and IL-18 polymorphism in breast, colorectal, and prostate cancer patients. *Asian Pacific Journal of Cancer Prevention: APJCP*, 22, 131. <https://doi.org/10.31557/APJCP.2021.22.1.131>
8. QADIR, F. A., PIRDAWID, A. O., AALI, M. H., **SMAIL, S. W.**, KHUDHUR, Z. O., SHAREEF, A. A., AWLA, H. K., QADIR, M. K., RAJAB, M. F. & SHEKHA, M. S. 2020. Association study of Interleukin 10 gene polymorphisms in Iraqi patients with multiple sclerosis. *Gene Reports*, 21, 100948. <https://doi.org/10.1016/j.genrep.2020.100948>
9. RASOUL, A. A., KHUDHUR, Z. O., HAMAD, M. S., ISMAEAL, Y. S., **SMAIL, S. W.**, RASUL, M. F., MOHAMMAD, K. A., BAPIR, A. A., OMAR, S. A. & QADIR, M. K. 2021. The role of oxidative stress and haematological parameters in relapsing-remitting multiple sclerosis in Kurdish population. *Multiple Sclerosis and Related Disorders*, 56, 103228. <https://doi.org/10.1016/j.msard.2021.103228>
10. ROSHANCHESHM, S., ASADI, A., KHOSHNAZAR, S. M., ABDOLMALEKI, A., KHUDHUR, Z. O. & **SMAIL, S. W.** 2022. Application of natural and modified exosomes a drug delivery system. *Nanomedicine Journal*, 9. <https://doi.org/10.22038/NMJ.2022.65116.1683>
11. SAFDAR, M., KHAN, M. S., KARIM, A. Y., OMAR, S. A., **SMAIL, S. W.**, SAEED, M., ZAHEER, S., ALI, M., AHMAD, B. & TASLEEM, M. 2021. SNPs at 3' UTR of APOL1 and miR-6741-3p target sites associated with kidney diseases more susceptible to SARS-COV-2 infection: in silico and in vitro studies. *Mammalian Genome*, 32, 389-400. <https://doi.org/10.1007/s00335-021-09880-612>. SAFDAR, M., OZASLAN, M., MUSTAFA, R. M., **SMAIL, S. W.**, KHAN, S. S., KHAN, M. S., AKHTAR, M. A., ALI, H. K., YOUNAS, U. & SAEED, M. 2023. The severity of COVID-19 in hypertensive patients is associated with mirSNPs in the 3' UTR of ACE2 that associate with miR-3658: In silico and in vitro studies. *Journal of Taibah University Medical Sciences*, 18, 1030-1047. <https://doi.org/10.1016/j.jtumed.2023.02.009>
13. **SMAIL, S.**, T YASEEN, R., Q MUSTAFA, M., F JALAL, K. & SALIHI, A. 2021a. Molecular Study of IL-7R Gene Polymorphism and their Associations with Male Multiple Sclerosis Patients in Erbil Province. *ZANCO Journal of Pure and Applied Sciences*, 33, 21-26. <https://doi.org/10.21271/zjpas>
14. **SMAIL, S.**, ZIYAD ABDULQADIR, S., OMAR KHUDHUR, Z., ELIA ISHAQ, S., FAQIYAZDIN AHMED, A., GHAYOUR, M. B. & ABDOLMALEKI, A. 2023a. IL-33 promotes sciatic nerve regeneration in mice by modulating macrophage polarization. *International Immunopharmacology*, 123, 110711. <https://doi.org/10.1016/j.intimp.2023.110711>
15. **SMAIL, S. W.**, BABAEI, E. & AMIN, K. 2023b. Ct, IL-18 polymorphism, and laboratory biomarkers for predicting chemosensory dysfunctions and mortality in COVID-19. *Future Science OA*, 9, FSO838. <https://doi.org/10.2144/fsoa-2022-0082>
16. **SMAIL, S. W.**, BABAEI, E. & AMIN, K. 2023c. Demographic, clinical and genetic factors associated with COVID-19 disease susceptibility and mortality in a Kurdish population. *Annals of Saudi Medicine*, 43, 125-142. <https://doi.org/10.5144/0256-4947.2023.125>
17. **SMAIL, S. W.**, BABAEI, E. & AMIN, K. 2023d. Hematological, Inflammatory, Coagulation, and Oxidative/Antioxidant Biomarkers as Predictors for Severity and Mortality in COVID-19: A Prospective Cohort-Study. *International Journal of General Medicine*, 565-580. <https://doi.org/10.2147/IJGM.S402206>

18. **SMAIL, S. W.**, BABAEI, E., AMIN, K. & ABDULAHAD, W. H. 2023e. Serum IL-23, IL-10, and TNF- α predict in-hospital mortality in COVID-19 patients. *Frontiers in Immunology*, 14, 1145840. <https://doi.org/10.3389/fimmu.2023.1145840>
19. **SMAIL, S. W.**, KHUDHUR, Z. O., ISHAQ, S. E., SALIH, R. H. & ABDULLAH, K. 2023f. Gender-based differences of inflammatory, coagulation, and cardiac markers in COVID-19 patients in Erbil city. *Polytechnic Journal*, 12, 5. <https://doi.org/10.25156/ptj.v12n2y2022.pp42-46>
20. **SMAIL, S. W.**, QADIR, M. K., RAJAB, M. F., ISMAIL, I. I., TAHA, O. S., SHEKHA, M. S., KHAN, M. A. & SAFDAR, M. 2020. TGF- β 1 polymorphism is an inflammatory disease specifier in autism spectrum disorders? *Gene Reports*, 21, 100843. <https://doi.org/10.1016/j.genrep.2020.100843>
21. SMAIL, S. W., SAEED, M., KHUDHUR, Z. O., YOUNUS, D. A., RAJAB, M. F., ABDULAHAD, W. H., HUSSAIN, H. I., NIAZ, K. & SAFDAR, M. 2021b. Inflammation, immunity and potential target therapy of SARS-COV-2: A total scale analysis review. *Food and Chemical Toxicology*, 150, 112087. <https://doi.org/10.1016/j.fct.2021.112087>
22. Amin, O. A. H., Mirza, R. R., Hussein, H. A., Khudhur, Z. O., Awla, H. K., & **Smail, S. W.** (2024). Journey into the Esophageal Complications: Decoding Systemic Sclerosis with Cutting-Edge Endoscopy, Manometry, and Ambulatory pH-Study. *International Journal of General Medicine*, 17, 1823–1831. <https://doi.org/10.2147/IJGM.S448421>
23. Arash Abdolmaleki, Aida Karimian, Seyedeh Mahdieh Khoshnazar, Asadollah Asadi, Zahra Akhavi Samarein, **Shukur Wasman Smail**, Deepak Bhattacharya, The role of Nrf2 signaling pathways in nerve damage repair, *Toxicology Research*, Volume 13, Issue 3, June 2024, tfae080, <https://doi.org/10.1093/toxres/tfae080>
24. **Smail SW**, Abdulqadir SZ, Alalem LSS, Rasheed TK, Khudhur ZO, Mzury AFA, et al. Enhancing sciatic nerve regeneration with osteopontin-loaded acellular nerve allografts in rats: Effects on macrophage polarization. *Tissue and Cell*. 2024;88:102379. 25. Khaleel Mohammed, Z., **Wasman Smail, S.**, Janson, C., & Amin, K. (2024). Interplay of clinical biomarkers in allergic asthma diagnosis and severity: A case-control study: Biomarkers in AA diagnosis and severity. *Cellular and Molecular Biology*, 70(5), 69–75. <https://doi.org/10.14715/cmb/2024.70.5.10>
26. Omar Khudhur Z, Ziyad Abdulqadir S, Faqiyazdin Ahmed Mzury A, Aziz Rasoul A, **Wasman Smail S**, Ghayour MB, et al. Epothilone B loaded in acellular nerve allograft enhanced sciatic nerve regeneration in rats. *Fundamental & Clinical Pharmacology*. 2024;38(2):307-19.
27. Muhammed PM, **Wasman Smail S**, Amin K. Deciphering COVID-19 Severity: Assessing FGF-18, WNT-5A, IL-17, and IL-33 Levels in the Infected Patients. *Journal of Zankoy Sulaimani-Part A*. 2023;25(2):414-22.

Research Skills:

- ✓ Proficient in utilizing ELISA, PCR (qPCR and conventional PCR), and flow cytometry techniques.
- ✓ Expertise in statistical analysis, including correlation, regression, survival analysis, and ROC curve analysis.
- ✓ Highly skilled in the use of software tools such as SPSS, MedCalc, and GraphPad Prism.

Reviewer: I have served as a reviewer for reputable journals, including:

- ✓ Biochemical Genetics
- ✓ Scientific Reports
- ✓ Infection and Drug Resistance
- ✓ Central European Journal of Immunology
- ✓ Neuropsychiatric Disease and Treatment
- ✓ BMC Infectious Diseases
- ✓ European Journal of Medical Research
- ✓ Journal of Inflammation Research

Languages:

- ✓ Native fluency in Kurdish.
- ✓ Proficient in English (IELTS score: 6).
- ✓ Intermediate proficiency in Arabic (reading, writing, and speaking).

References

Dr. Wayel H. Abdulahad

Department of Rheumatology and Clinical Immunology, University Medical Center, Groningen, University of Groningen, Hanzeplein 1, Groningen 9713 GZ, the Netherlands

Gmail: w.abdulahad@reuma.umcg.nl

Dr. Kawa Amin

Department of Medical Science, Respiratory, Allergy and Sleep Research, Uppsala University, Uppsala, Sweden

Gmail: kawa.amin@medsci.uu.se

Dr. Pawan Sirwan Faris

Department of Biology and Biotechnology "L.Spallanzani", University of Pavia, Pavia, Italy

Gmail: faris.pawan@unipv.it

Professional memberships

- Kurdistan Biology Syndicate /Hawler
- Kurdistan Teacher Syndicate /Hawler

Professional Social Network Accounts:

Google Scholar: https://scholar.google.com/citations?user=G-E_CycAAAAJ&hl=e

<https://www.researchgate.net/profile/Shukur-Smail>

<https://www.linkedin.com/in/shukur-smail-a43675a>

