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Suhaib Aldalaeen

PHD IN MEDICAL LABORATORY MICROBIOLOGY
& MEDICAL PARASITOLOGY

CV Summary:

PhD (with Honours) in Medical Laboratory Microbiology and Medical Parasitology with expertise in infectious diseases, antiparasitic drug discovery, and laboratory diagnosis of medically important microorganisms and protozoan parasites. Experienced in molecular biology, microbiology, parasitology, microscopy, in vitro and in vivo experimental models, and mechanisms of programmed cell death. Author of Q1 peer-reviewed publications with a strong background in experimental design, laboratory quality standards, data analysis, and postgraduate supervision. Committed to advancing translational research and developing innovative approaches for the diagnosis, prevention, and treatment of infectious and parasitic diseases.

Education:

PHD IN MEDICAL LABORATORY SCIENCES, MICROBIOLOGY, AND MEDICAL PARASITOLOGY (2023-2026)

University of La Laguna, Spain

Dissertation: "Antiparasitic Activity of Bioactive Compounds from *Argyranthemum frutescens* "

Line of Research: Microbiology, and Medical Parasitology

Result: Outstanding

MASTER'S DEGREE IN BIOLOGICAL SCIENCE (2020-2022)

Mut'ah University | ALKARAK, Jordan

GPA: (80.36) Excellent

Thesis: "Optimization of gelatin proteolytic enzyme production produced by fungal strain isolated from ifra hot spring, Al-Karak province, south of Jordan ".

BACHELOR'S DEGREE IN BIOLOGY (2016-2020)

Mut'ah University | ALKARAK, Jordan

GPA: (70.8)

Academic Experience:

SUBSTITUTE BIOLOGY TEACHER, MINISTRY OF EDUCATION, JORDAN (2020 – 2023):

Appointed as a Substitute Biology Teacher at **Omar Bin Al-Khattab School, Joza Secondary School for Boys, and Kathraba Secondary School for Boys**, delivering Biology instruction and laboratory-based practical education in accordance with the **Jordanian Ministry of Education curriculum**. Promoted scientific inquiry, practical learning, and student achievement while maintaining a safe, inclusive, and engaging classroom environment.

Key Contributions:

- Delivered Biology instruction across cell biology, microbiology, genetics, ecology, human physiology, and environmental science in accordance with the Jordanian Ministry of Education curriculum.
- Designed and implemented engaging, inquiry-based lessons and laboratory practical sessions, ensuring compliance with laboratory health, safety, and biosafety standards.
- Prepared laboratory equipment, biological specimens, reagents, and instructional materials to support effective practical learning and scientific investigation.
- Assessed student performance through examinations, laboratory reports, practical evaluations, and assignments, providing constructive feedback to improve academic achievement.
- Fostered critical thinking, scientific reasoning, and problem-solving skills through student-centered teaching strategies and laboratory-based learning.
- Collaborated with teachers, school leadership, and parents to support students' academic development while maintaining an inclusive and well-organized learning environment.

RESEARCH ASSISTANT, MU'TAH UNIVERSITY, JORDAN (2021-2022)

Supported preclinical biomedical research investigating in vivo models of wound healing, inflammation, and neurological disorders. Contributed to experimental design, animal handling, tissue collection, and laboratory analyses while ensuring compliance with ethical standards and Good Laboratory Practice (GLP). Collaborated with multidisciplinary teams in data analysis, manuscript preparation, and the evaluation of bioactive compounds for therapeutic applications.

Key Contributions:

- Contributed to the design and execution of in vivo preclinical studies investigating wound healing, inflammation, and neurological disorders.
- Performed animal handling, dosing, tissue collection, sample processing, and laboratory analyses in accordance with ethical guidelines and institutional protocols.
- Prepared biological specimens for histological, biochemical, and molecular analyses, ensuring high-quality experimental outcomes.
- Collected, analyzed, and interpreted experimental data using statistical software to support research findings and scientific decision-making.
- Maintained compliance with Good Laboratory Practice (GLP), biosafety regulations, and animal welfare standards while ensuring accurate research documentation and experimental records.
- Collaborated with principal investigators and multidisciplinary research teams on study design, data interpretation, scientific publications, conference presentations, and peer-reviewed manuscripts.

ASSISTANT SUPERVISOR FOR MASTERS STUDENTS & PHD STUDENTS 1st, 2nd YEAR (2025-2026):

- Mentored and supervised first- and second-year master's and PhD students in research methodology, experimental design, and scientific problem-solving.
- Supervised laboratory practical training, ensuring compliance with Good Laboratory Practice (GLP), biosafety regulations, and laboratory safety standards.
- Trained postgraduate students in microbiological, parasitological, molecular, and microscopic laboratory techniques.
- Guided students in experimental data collection, statistical analysis, interpretation of results, and scientific writing.
- Reviewed research proposals, progress reports, theses, and scientific presentations while providing constructive feedback to support academic and research excellence.
- Collaborated with faculty members to facilitate postgraduate research projects and promote scientific integrity, critical thinking, and independent research skills.

Skills:

Laboratory Techniques:

- PCR
- Microscopy
- Histology
- In vitro & in vivo models
- Cell death assays
- Natural product isolation

Research:

- Experimental design
- Academic supervision
- Statistical analysis
- Scientific writing

Software:

- GraphPad Prism
- Microsoft Office

Publication:

Suhib Muhsen Hasan Aldalaeen, Javier Chao-Pellicer, Ines Sifaoui, Eduardo Hernández-Álvarez, Meriam Ben Youssef, Ignacio A. Jiménez, José E. Piñero, Isabel L. Bazzocchi, Jacob Lorenzo-Morales.

Frutescinol acetate isolated from *Argyranthemum frutescens* (L.) induced programmed cell death in *Naegleria fowleri* - Q1 journal: (Phytomedicine)

Suhib Muhsen Hasan Al-Dalaeen, Carlos J. Bethencourt-Estrella, Ines Sifaoui, Atteneri López-Arencibia, María González-Linares, Isabel L. Bazzocchi, Jacob Lorenzo-Morales, Ignacio A. Jimenez, José E. Piñero.

Capillin: a polyethylene isolated from *Argyranthemum frutescens* induce programmed cell death in kinetoplastids - Q1 journal: (MPDI)

Certifications:

- Medical Laboratory Specialist – Ministry of Health, Jordan
- Clinical Research – Spain
- TOT – Jordan

Scholarships:

- German DAAD Scholarship for master's degree at Mut'ah University/ Jordan
- PhD Scholarship, University of La Laguna, Spain

Membership:

- British Society for Parasitology (BSP)
- Spanish Society of Parasitology (SOCEPA)
- American Society of Parasitologists (ASP)
- Parasitology Section of the Canadian Society

Conferences:

- 5th Annual International Congress of Doctoral Students (2025)
- II Early Career Investigators' Congress on Bio-Organic Research (2025)
- XIII SEMTSI Congress (2025)
- BIO-ORGANIC Conference (2025)
- SOCEPA XVIII Congress (2025)
- Campus Africa: The Island Territories of the African Atlantic (2025)
- European Researchers' Night in Macaronesia (2025)
- Miniature Worlds: Organoid Research in Parasitology (2025)
- Mycoplasma pneumoniae: Atypical in Many Ways (2025)
- Trichomonas Pathobiology: A Bird's-Eye View (2025)
- What's New in Therapeutics (2025)
- What Regulators Want You to Know 2024 (2025)
- CIBERINFEC Workshop (2025)
- World Neglected Tropical Diseases Day – University Institute of Tropical Diseases (2024)
- Information Resources for Doctoral Research (2025)
- Ethics, Intellectual Property, and Data Protection in Research (2025)
- Scientific Outreach Stand – University Institute of Tropical Diseases and Public Health (2024)
- 12th IMFAHE's International Conference/Innovation Camp "Shaping the Future of Global Talent: Internationalization, Excellence, Entrepreneurship and AI in Higher Education" (2026)
- The Present and Future of Infectious Diseases: The Role of CIBERINFEC in Disease Identification, Diagnosis, and Treatment (2026)
- AMR Surveillance Tonpolicy – Microbiology Society (2026)
- Genomic Surveillance to Inform Vaccine Impact and Design biofilms – Microbiology Society (2025)
- European Researchers' Night in Macaronesia (2024)
- Characterization of Free-Living Amoebae in Environmental Samples (2025)
- Organoid Research in Parasitology – Organized by Cambridge University (2024)
- Evaluation of Marine-Derived Compounds as Potential Inhibitors of Naegleria fowleri Adhesion

Language:

Arabic: Mother Tongue

English: Advanced Level

Spanish: Intermediate Level