

# CURRICULUM VITAE

Esra'a Ibrahim Al-Trad  
Mobile No.: 00962787716674  
[esratradat@gmail.com](mailto:esratradat@gmail.com)  
Permanent address: Irbid, Jordan



## PERSONAL DATA:

Place of birth: Irbid-Jordan  
Date of birth: 1<sup>st</sup> June, 1986  
Gender: female  
Marital Status: Married  
Nationality: Jordanian

## EDUCATION:

- **PhD in Molecular Medical Microbiology** (2023). University Sultan Zainal Abidin, Malaysia dissertation entitled: Diversity and Characterisation of plasmids in methicillin-resistant *Staphylococcus aureus* clinical isolates from Terengganu, Malaysia
- **Master in Medical Laboratory Science (MLS)** (2011); **Specialty of clinical microbiology, immunology and serology** (excellent rank, with 88.2%). Jordan University of Science and Technology (JUST), Jordan.  
Project entitled: *In vitro* determination of the antibiotic susceptibility of biofilm-forming *Pseudomonas aeruginosa* and *Staphylococcus aureus*.
- **Bachelor in Medical Laboratory Science (MLS)** (2008), (excellent rank, with 87.8%). Jordan University of Science and Technology (JUST), Jordan

## PROFESSIONAL CAREER EXPERIENCE:

- **Lecturer, University of Tabuk (UT)** Faculty of Applied Medical Science (FAMS), Department of Medical Laboratory Technology (MLT), since August 2012 till August 2019
  - **Course that I taught are:** basic immunology, diagnostic immunology, immunology clinical rotation, basic microbiology, diagnostic microbiology, microbiology clinical rotation, biochemistry, clinical chemistry, chemistry clinical rotation, diagnostic parasitology, parasitology clinical rotation, medical mycology, virology, molecular genetics, seminar, medical ethics, medical terminology, microscopy, laboratory instrumentation, molecular and cellular biology.
- **Teaching Assistant (TA)**, Jordan University of Science and Technology (JUST) Faculty of Applied Medical Sciences, Department of Medical Laboratory Sciences, Irbid-Jordan. From 2009 to 2011 (**Post-graduate students' scholarships program**).
  - **Courses that I assisted in teaching are:** diagnostic immunology, diagnostic microbiology, clinical chemistry.

- **Practical training at medical institutes in Jordan- form 2007 to 2008:** a one year training period (a B.Sc. requirement) with rotation in different diagnostic laboratory divisions (Hematology, Microbiology, clinical chemistry, microscopy, serology and endocrinology).

## LICENSURE:

### Certified Medical Technologist (MT)

Ministry of Health (MOH), Jordan

September 2008

## WORKSHOPS/SEMINARS/TRAINING COURSES:

1. Genes to pathways. Training course. August 2021, Malaysia.
2. Data Science and Machine learning. Bioinformatics training workshop. June 2021, Malaysia.
3. Quality Instrumentation and Infection Control Process workshop. December 2016, University of Tabuk / Saudi Arabia.
4. Creating Effective PowerPoint for academic Presentation. November 2016, University of Tabuk / Saudi Arabia.
5. Quality assurance and academic accreditation workshop. December 2012, University of Tabuk / Saudi Arabia.
6. New e-learning trends in education. April 2015, University of Tabuk / Saudi Arabia.
7. Effective teaching: test item construction techniques. November 2014, University of Tabuk / Saudi Arabia.
8. The Accreditation process: NAACSL, AABB, and evidence-based practice and interactive techniques for classroom and online student engagement. March 2013, University of Tabuk / Saudi Arabia.
9. The state of clinical laboratory sciences/medical laboratory technology in the united states. March 2013, University of Tabuk / Saudi Arabia.

## CONFERENCES:

1. Poster, "Whole Genome Sequencing of a Clinical Methicillin-Resistant *Staphylococcus aureus* from Terengganu Led to the Discovery of a Novel 58.4 kb Conjugative Plasmid".
  - December 2022 at University Sultan Zainal Abidin, Terengganu, Malaysia.
2. Oral presenter, "antimicrobial susceptibility profiles and prevalence of inducible clindamycin resistance in methicillin-resistant *Staphylococcus aureus* (MRSA) clinical isolates from Terengganu, Malaysia".
  - Global health sciences conference. December 2020 at University Sultan Zainal Abidin, Terengganu, Malaysia.
3. Oral presenter, "*in vitro* determination of the antibiotic susceptibility of biofilm-forming *Pseudomonas aeruginosa* and *Staphylococcus aureus*: possible role of proteolytic activity and membrane lipopolysaccharide".
  - International Postgraduate Research Conference (IPRC) December 2019 at University Sultan Zainal Abidin, Terengganu, Malaysia.
4. Conference on "Skin and Hair Disorders: From Gene to Clinic". February 2017. University of Tabuk / Saudi Arabia.

## PUBLICATIONS

1. Che Hamzah, A. M., Chew, C. H., **Al-Trad, E. A. I.**, Puah, S. M., Chua, K. H., A Rahman, N. I., Ismail, S., Maeda, T., Palittapongarnpim, P., & Yeo, C. C. (2024). Whole genome sequencing of methicillin-resistant *Staphylococcus aureus* clinical isolates from Terengganu, Malaysia, indicates the predominance of the EMRSA-15 (ST22-SCCmec IV) clone. *Scientific reports*, 14(1), 3485. <https://doi.org/10.1038/s41598-024-54182-x>
2. **Al-Trad, E. A. I.**, Che Hamzah, A. M., Puah, S. M., Chua, K. H., Hanifah, M. Z., Ayub, Q., Palittapongarnpim, P., Kwong, S. M., Chew, C. H., & Yeo, C. C. (2023). Complete Genome Sequence and Analysis of a ST573 Multidrug-Resistant Methicillin-Resistant *Staphylococcus aureus* SauR3 Clinical Isolate from Terengganu, Malaysia. *Pathogens*, 12(3), 502.
3. **Al-Trad, E. A. I.**, Chew, C. H., Che Hamzah, A. M., Suhaili, Z., Rahman, N. I. A., Ismail, S., Puah, S. M., Chua, K. H., Kwong, S. M., & Yeo, C. C. (2023). The Plasmidomic Landscape of Clinical Methicillin-Resistant *Staphylococcus aureus* Isolates from Malaysia. *Antibiotics*, 12(4), 733.
4. Chew, C. H., Yeo, C. C., Che Hamzah, A. M., **Al-Trad, E. A. I.**, Jones, S. U., Chua, K. H., & Puah, S. M. (2023). Multidrug-Resistant Methicillin-Resistant *Staphylococcus aureus* Associated with Hospitalized Newborn Infants. *Diagnostics*, 13(6), 1050.
5. **Al-Trad, E. A. I.**, Hasnor Zubaidy N.K., Che Hamzah, A. M., Puah S.M., Abdullah F.H., Othman N., Rahman N.I.A, Ismail S., Chua K.H., Yeo, C. C., Chew, C. H. (2023). Genome sequencing of a multidrug resistant *Staphylococcus capitis* ScaR194 clinical isolate from Terengganu, Malaysia, revealed the presence of a 30.7 kb resistance plasmid. *International journal of infectious diseases*, 134(S17).
6. **Al-Trad, E. A. I.**, Che Hamzah, A. M., Yeo, C. C., Puah, S. M., Chua, K. H., & Chew, C. H. (2022). Whole Genome Sequencing of a Clinical Methicillin-Resistant *Staphylococcus aureus* from Terengganu Led to the Discovery of a Novel 58.4 kb Conjugative Plasmid. *Asian Journal of Medicine and Biomedicine*, 6(S1), 87-88.
7. **Al-Trad, E. A. I.**; Che Hamzah, A.M.; Puah, S.M.; Chua, K.H.; Kwong, S.M.; Yeo, C.C.; Chew, C.H. (2022). Comparative Genomic Analysis of a Multidrug-Resistant *Staphylococcus hominis* ShoR14 Clinical Isolate from Terengganu, Malaysia, Led to the Discovery of Novel Mobile Genetic Elements. *Pathogens*, 11, 1406.
8. Che Hamzah, A. M., **Al-Trad, E. A. I.**, Puah, S. M., Rahman, N. I. A., Ismail, S., Yeo, C. C., & Chew, C. H. (2021). PGP-005—Whole Genome Sequence Analysis of Methicillin-Resistant *Staphylococcus aureus* Indicates Predominance of the EMRSA-15 (ST22-SCCmec IV [2b]) Clone in Terengganu, Malaysia. *International Journal of Antimicrobial Agents*, 58, 21004039, 60.
9. Masadeh, M. M., Mhaidat, N. M., Alzoubi, K. H., Hussein, E. I., & **Al-Trad, E. A. I.** (2013). In vitro determination of the antibiotic susceptibility of biofilm-forming *Pseudomonas aeruginosa* and *Staphylococcus aureus*: possible role of proteolytic activity and membrane lipopolysaccharide. *Infection and drug resistance*, 6, 27–32.