

Curriculum Vitae
Dina Hussein Yamin



PERSONAL DATA

Date of Birth: 9th December 1985

Nationality: Jordanian

Gender: Female

Marital Status: Married

Current Address: The University of Jordan, School of Science, Department of Clinical Laboratory Sciences, Amman, Jordan

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ACADEMIC QUALIFICATIONS

-PhD (Microbiology/Mycology)

Department of Medical Microbiology and Parasitology, School of Medical Sciences, Health Campus, Universiti Sains Malaysia, Kelantan, Malaysia (2017 – 2022)

Thesis Title: Epidemiology and Development of Novel Multilocus Sequence Typing Scheme for *Candida parapsilosis*

-MSc (Medical Laboratory Sciences)

Faculty of Medicine, University of Jordan, CGPA: Very good (2007 – 2010)

-BSc (Medical Analysis)

Faculty of Science, University of Jordan, CGPA: Excellent (2003 – 2007)

SUMMARY OF RELEVANT WORK EXPERIENCE

1. Academic Experience

Position: Full-time Academic Lecturer (September 2023-now)

Institution: University of Jordan, School of Science, Department of Clinical Laboratory Sciences

Teaching courses of Diagnostic Mycology, Quality Control and Laboratory Management, Essentials and Ethics for Medical Laboratory Professions, Medical Terminology and Seminars for Clinical Laboratory Sciences students.

2. Research Experience (2017- 2019)

Position: Academic Lab Researcher

Institution: Universiti Sains Malaysia, School of Medical Sciences, Department of Medical Microbiology and Parasitology

Roles and Technical Experience

1. *Candida parapsilosis* Culturing.
2. DNA extraction.
3. Molecular Identification.
4. Primer designing.
5. Sequence analysis.
6. Development of Novel MLST Scheme for Genotyping *Candida parapsilosis*.

3. Clinical Experience (2007-2017)

Position: Specialist in Medical Laboratory Analysis

Institution: Karak Governmental Hospital, Jordan

Position: Specialist in Medical Laboratory Analysis

Institution: Private Medical Laboratory, Jordan

Duties and Responsibilities: Performing different analysis for Blood bank, Hematology, Chemistry, Serology, Hormones, Microbiology

Departments having experience in:

1. **Phlebotomy:** Professional in withdrawal of blood from all ages using syringes, vacutainer, and butterfly.
2. **Chemistry:** Performing different manual and automated tests. Using instruments like Beckman Coulter DXC 600, Roche-Cobas c501, Architect plus c4000_Abbo., and Architect plus i 1000_Abbo. for drug level measurements.
3. **Hormone:** Performing tests with Roche-Cobas C601.
4. **Microbiology:** qualified to do and read various microbiological tests manually and by machines like Microscan as an API technique, Phoenix as a fluorescent technique, and Bactec for blood culturing.
5. **Parasitology:** Well-practiced section, highly qualified to do and read tests microscopically for all body fluids and stool specimens.
6. **Hematology:** Working on instruments like Sysmex XN 1000, XT 1800, CA, and able to read blood films microscopically.
7. **Blood Banking:** Qualified to work in all sections including: donation, separation, blood grouping and cross-matching using Dia-Med equipment.

PROFESSIONAL COURSES ATTENDED

1. **Intensive Diagnostic Microbiology and Mycology Training Course**, Islamic Hospital, Amman-Jordan, 20/05/2023 -19/09/2023.
2. **Real-Time PCR: Gene Expression and Genotyping Seminars and Hands-on Course**, Learning by Doing, Institute for Research in Molecular Medicine (INFORMM), Universiti Sains Malaysia, Health Campus, 11th-12th July 2018.
3. **Cell Culture for Beginner**, Craniofacial Science Laboratory, School of Dental Sciences, Universiti Sains Malaysia, Health Campus, 17th-18th July 2018.
4. **Methods in Gene Analysis: From Molecular Cloning to Bioinformatics (Biocomputing)**, Institute for Research in Molecular Medicine (INFORMM), Universiti Sains Malaysia, Health Campus, 24th-25th November 2019.
5. **Uncovering Infectious Pathogen with the NGS Way**, Online course organized by ScienceVision, 12th October 2021.
6. **Advance Biostatistics Using SPSS (ANOVA, MANOVA and ANCOVA)**, School of Dental Sciences, Universiti Sains Malaysia, Health Campus, 6th September 2018.

7. **Quantitative Data Analysis**, School of Health Sciences, Universiti Sains Malaysia, Health Campus, 22nd April 2019.
8. **Basic Statistics and Parametric Analysis**, School of Dental Sciences, Universiti Sains Malaysia, Health Campus, 5th September 2018.
9. **Occupational Safety and Health Course**, Occupational Safety and Health Committee, Universiti Sains Malaysia, Health Campus, Malaysia on the 20th October 2018.
10. **Intensive Medical Laboratory Training Course**, Private Medical Laboratory, Amman-Jordan, 01/04/2007 - 01/09/2007.
11. **International Computer Driving License (ICDL)**, Mutah University, Karak, Jordan, June 2014.

PEER-REVIEWED PUBLICATIONS

Full paper publication:

1. **Yamin, D.**, Husin, A. & Harun, A. (2020). Distribution of Candidemia in Malaysian Tertiary Care Hospital Revealed Predominance of *Candida parapsilosis*. *Trop Biomed*, 37(4), 903-910. doi: 10.47665/tb.37.4.903 (ISI: Q4, IF: 0.17).
2. **Yamin, D. H.**, Husin, A. & Harun, A. (2021). Risk Factors of *Candida parapsilosis* Catheter-Related Bloodstream Infection. 9(1153). doi:10.3389/fpubh.2021.631865 (ISI: Q2, IF: 2.483).
3. **Yamin D**, Akanmu MH, Al Mutair A, Alhumaid S, Rabaan AA, Hajissa K. Global Prevalence of Antifungal-Resistant *Candida parapsilosis*: A Systematic Review and Meta-Analysis. *Tropical Medicine and Infectious Disease*. 2022; 7(8):188. doi.org/10.3390/tropicalmed7080188 (ISI: Q2, IF: 3.771)
4. **Yamin, D.**, Wan Juhari, W. K., Hanis Zainal Abidin, N., Mat-Sharani, S., & Harun, A. (2022). Draft Genome Sequence of Clinical Isolate USM039K of the Pathogenic Yeast *Candida parapsilosis*. *Microbiology resource announcements*, e0084122. Advance online publication. doi.org/10.1128/mra.00841-22 (IF: 0.877).
5. **Yamin, D.**, Wan Juhari, W. K., Hanis Zainal Abidin, N. W., Mat-Sharani, S., & Harun, A. (2022). Draft Genome Sequence of Clinical Isolate USM026 of the Pathogenic Yeast *Candida parapsilosis*. *Microbiology resource announcements*, e0083922. Advance online publication. doi.org/10.1128/mra.00839-22 (IF: 0.877).
6. **Yamin, D.**, Uskoković, V., Wakil, A.M., Goni, M.D., Shamsuddin, S.H., Mustafa, F.H., Alfouzan, W.A., Alissa, M., Alshengeti, A., Almaghrabi, R.H. and Fares, M.A.A., 2023. Current and Future Technologies for the Detection of Antibiotic-Resistant Bacteria. *Diagnostics*, 13(20), p.3246.

7. **Yamin, D.**, Muhammad Ismadi, Y.K., Hanis Zainal Abidin, N.W., Harun, A., 2023.

Development of Novel Multilocus Sequence Typing (MLST) Scheme for *Candida parapsilosis*. Microbiology Spectrum. Under review.

Abstract publication:

Yamin, D.H., Husin, A. and Harun, A., 2021. Risk Factors of *Candida parapsilosis* Catheter-Related Bloodstream Infection. *Frontiers in Public Health*, 9.

CONFERENCES ATTENDED AND PRESENTED

1. **Dina Hussein Yamin**, Azian Binti Harun. Proportion of *Candida parapsilosis* in Healthcare-Associated Bloodstream Infections. Postgraduate Research Day 2019. 28th April 2019. Kelantan, Malaysia.

2. **Dina Hussein Yamin**, Azian Binti Harun. *Candida parapsilosis* Catheter-Related Bloodstream Infection and Associated. 3rd International Conference on Medical and Health Sciences 2019. 20-21th August 2019. Kelantan, Malaysia.

Membership

- Ministry of Health –Jordan- Medical Lab Technician – permission no. :70002/1113
- Ministry of Health –Jordan- Medical Lab Specialist – permission no. :70001/395
- Saudi Commission for Health Specialties – KSA- Medical Lab Specialist.

SKILLS

Software applications: BioEdit, MEGA, Galaxy platform, Microsoft office, SPSS, OpenEpi, Endnote, Mendeley software.

Microbiology skills: Aseptic and Sterile Techniques, Optical Microscopy, Bacterial and Fungal Staining, Plating Methods (Streak, Spread, Pour, Replica), Enumeration and Identification of Bacteria and Fungi, Use of Biological Safety Cabinets, Media and Buffer Preparation, Diagnostic Biochemical Tests for Fungi, Use of Selective Media, Antifungal Susceptibility Testing.

Molecular Biology skills: Polymerase Chain Reaction (PCR), DNA Purification, DNA Extraction, Plasmid DNA Preparation, Restriction Enzyme Digests, Pulsed-Field Gel Electrophoresis (PFGE) and Agarose Electrophoresis, Primer Designing, Bioinformatics Analysis.

Language skills: Arabic and English: Excellent in both written and verbal communications.

RESEARCH INTERESTS

Molecular biology, Next Generation Sequencing (NGS), Bioinformatics Analysis, Public Health, Biostatistics, Epidemiology of Infectious Disease, Food Microbiology, Food Safety, Outbreak Investigation and Management, Epidemic Risk and Crisis Communication.

DATA Deposited in NCBI Databases

Organism name: *Candida parapsilosis*

Intraspecific name: *Candida parapsilosis*

Strain: USM026 and Strain: USM039K

BioSample: SAMN14309842 and SAMN14309841

BioProject: PRJNA610714

Submitter: Dr. Dina Yamin

Date: 1/21/2021

Assembly level: Scaffold

Genome representation: full

GenBank assembly accession: GCA_016735785.1 and GCA_016735825.1

WGS Project: JADCQT01 and JADCQS01

Assembly method: SPAdes v. 3.12.0

Genome coverage: 224x and 222x

Sequencing technology: Illumina NovaSeq6000

REFEREES:

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