

Curriculum Vitae (CV)

Sanaz Dehbashi

DehbashiS@varastegan.ac.ir

[LinkedIn](#)- [ORCHID](#)- [Google Scholar](#)- [Scopus](#)- [ResearchGate](#)

Education

1. **Ph.D. in Medical Bacteriology**- Hamadan University of Medical Sciences, 2016-2020
2. **MSc in Medical Microbiology**- Tehran University of Medical Sciences, 2013-2016
3. **BSc in Laboratory Sciences**- Golestan University of Medical Sciences, 2009-2013

Academic Appointments

Faculty Member in Health Information Technology – Varastegan Institute for Medical Sciences (VIMS) – (February 2022)

Teaching Experience

1. Molecular Biology laboratory - MSc students- Tehran University of Medical Sciences, 2014

2. Microbiology laboratory - MSc students- Hamadan University of Medical Sciences, 2020
3. Microbiology laboratory - BSc students- Tehran University of Medical Sciences, 2014
4. Microbiology laboratory - BSc students- Hamadan University of Medical Sciences, 2017-2020
5. Medical Parasitology- BSc students- Varastegan Institute for Medical Sciences (VIMS), Since 2021
6. Medical Helminthology- BSc students- Varastegan Institute for Medical Sciences (VIMS), Since 2022
7. Medical Bacteriology laboratory- BSc students, Varastegan Institute for Medical Sciences (VIMS), Since 2022
8. Medical Microbiology- BSc students- Varastegan Institute for Medical Sciences (VIMS), Since 2021
9. Medical Bacteriology- BSc students- Varastegan Institute for Medical Sciences (VIMS), Since 2023

Professional Presentations

1. Infection Control webinar- Varastegan Institute for Medical Sciences (VIMS), Since 2022
2. Real-Time PCR workshop- Varastegan Institute for Medical Sciences (VIMS), Since 2022
3. Urine Analysis workshop- Varastegan Institute for Medical Sciences (VIMS), Since 2022
4. Urine Analysis webinar- Varastegan Institute for Medical Sciences (VIMS), Since 2022
5. Antibiotic Stewardship webinar- Varastegan Institute for Medical Sciences (VIMS), Since 2022

6. PCR workshop- Varastegan Institute for Medical Sciences (VIMS), Since 2022
7. Quality Control workshop- Varastegan Institute for Medical Sciences (VIMS), Since 2022

Publication

Journal Articles

Conference Proceedings Articles

1. Dehbashi, S., Arabestani M.R., *Staphylococcus aureus* effect on β -lactamase enzymes and virulence factors of *Pseudomonas aeruginosa* in lung disease: A Co-culture method by Human Cell lines (A-549), 13th Professor Alborzi International Congress of Clinical Microbiology, 2020
2. Dehbashi S., Jasemi S.S., Pourmand M.R.,
3. Dehbashi S., Pourmand M.R., 15th Iran`s International Congress of Microbiology, 2014

Thesis

1. Dehbashi, S., **Investigating the inductive-inhibitory effects of *Staphylococcus aureus* on the expression of genes affecting the pathogenicity of *Pseudomonas aeruginosa* isolated from clinical specimens and strain grouping based on the MLST (Multilocus sequence typing)**, Unpublished Ph.D. Thesis, 2020
2. Dehbashi, S., **Determination of *Streptococcus agalactiae* incidence in patients and Molecular investigation and epidemiology of gbs1805 gene in clinical isolates**, Unpublished MSc Thesis, 2016

Projects

- 1- Study of changes in antibiotic resistance and gene expression in co-culture conditions and the interaction of *Pseudomonas aeruginosa* and *Staphylococcus aureus* in planktonic and biofilm states and comparison with antibiotic-sensitive strains- Hamadan University of Medical Sciences- 2020
- 2- Identification of Class D Ambler Betalactamases using HRMA and investigation the association of *OXA* genes to colistin resistance among *Pseudomonas aeruginosa* clinical isolates- Hamadan University of Medical Sciences- 2020
- 3- A design on HRMA method for characterization of resistance to betalactams, polymyxin, and glycopeptides in standards and clinical isolates of *Staphylococcus* spp., *Enterococcus* spp., *Streptococcus* spp., and *Pseudomonas aeruginosa*- Hamadan University of Medical Sciences- 2020
- 4- The investigation of siderophore encoding genes and Heme transport systems in *Pseudomonas aeruginosa*- Hamadan University of Medical Sciences- 2020
- 5- The effect of exoproducts of *Staphylococcus aureus* and *Pseudomonas aeruginosa* on apoptosis in L-929 cell line- Hamadan University of Medical Sciences- 2019
- 6- The investigation of *Pseudomonas aeruginosa* activity on metabolism of persister cells derived from Methicillin-susceptible and -Resistant *Staphylococcus aureus*- an *in vitro* and cell culture model- Hamadan University of Medical Sciences- 2019
- 7- Characterization of virulence factors and constitutive operons of coagulase negative *Staphylococci* and betalactm and fluoroquinolones resistance gene expression level through Real-Time PCR method- Hamadan University of Medical Sciences- 2018
- 8- High Resolution Melting analysis to characterize the causing agents of hospital acquired infection- Hamadan University of Medical Sciences- 2018
- 9- Investigating the inductive-inhibitory effects of *Staphylococcus aureus* on the expression of genes affecting the pathogenicity of *Pseudomonas aeruginosa* isolated from clinical specimens and strain grouping based on the MLST (Multilocus sequence typing)- Hamadan University of Medical Sciences- 2017
- 10- The investigation of resistance genes influenced by suppressive promoters in ESBL-, KPC-, MBL-, NDM-, and AMP-producing *Pseudomonas aeruginosa* clinical isolates- Hamadan University of Medical

Sciences- 2017

- 11- The investigation of gene expression levels of *mecA*, *mecI*, *mecC*, and *mecRI* and determination of RNAPIII-agr among clinical isolates of *Staphylococcus aureus* and typing of MRSA isolates using MLST- Hamadan University of Medical Sciences- 2017
- 12- Investigation of Quorum sensing gene expression levels in clinical isolates of *Staphylococcus aureus*- Hamadan University of Medical Sciences- 2016
- 13- The comparative study of fructosamine and glycosylated hemoglobin among pregnant women with abnormal GCT levels and control group- Golestan University of Medical Sciences- 2012

Professional Service

Refereeing

1. Reviewer of Ethiopian Journal of Health Sciences, 2021
2. Reviewer of Scientific Reports, 2021-2022
3. Reviewer of Gene Reports, 2021
4. Reviewer of MethodX, Since 2023
5. Reviewer of Bioinformatics and Biology Insights, Since 2023
6. Reviewer of Heliyon, Since 2021
7. Reviewer of Gene, Since 2021

Awards & Honors

1. Top student researcher of Hamadan University of Medical Sciences, 2020 and 2021

Skills & Techniques

1. Real-Time PCR
2. MLST (Multi-Locus Sequence Typing)
3. Cloning

4. Recombinant Gene Expression
5. Western Blotting
6. SDS-PAGE
7. Zymography
8. Cell Culture