

CURRICULUM VITAE

Personal Information	
First Name:	Zahra
Last Name:	Heydarifard
Professional Title/Position:	Assistant Professor
Highest Degree:	PhD in Medical Virology
	
Affiliation:	Department/Division: Virology department
	University/Institute: Lorestan university of Medical Sciences
	City: Khorramabad
	Country: Iran
Education qualification	<p>1- September 2017- April 2022 Tehran University of Medical Sciences: Tehran Ph.D. in Medical Virology</p> <p>2- September 2014- November 2016 Golestan University of Medical Sciences, Gorgan Master in Medical Virology</p> <p>3-September 2010-May 2014 Lorestan university of medical sciences, khoramabad Bachelor in medical laboratory sciences</p>
Research Experience	<p>PhD Project: Assessment of association of tonsillar hypertrophy in children under age 16 with lytic and persistent HAdV-C infection compared to the healthy control.</p> <p>Master Project: Evaluation of CCR5Δ32 Polymorphisms in HIV infected persons and healthy control</p>
Professional Experience:	<p>-Proficient in a wide range of scientific techniques and methodologies including DNA and RNA extraction, Isolation of acid nucleic from tissue, PCR, RT-PCR, Real-time PCR, cloning, cell culture</p> <p>-Proficient in setting up viral mRNA expression for qualitative and quantitative measurement.</p> <p>-Specialized expertise in primer probe design and phylogenetic analysis.</p>

	<ul style="list-style-type: none"> - Extensive hands-on experience in conducting experiments and research in these fields
membership	<ul style="list-style-type: none"> -member of brilliant talent organization of Golestan University of medical sciences, 2014-2016 -member of brilliant talent organization of Tehran University of medical sciences, 2016-2022 - member of Hepatitis Research Center, Lorestan University of Medical Sciences
International congress	<ul style="list-style-type: none"> -Attended the virtual conference and had a poster presentation: 'COVID-19, Influenza and RSV: Surveillance-Informed Prevention and Treatment', 19th-21st October 2021. -Attended and had a poster presentation "23 th international congress of microbiology", Tehran, Iran. 30 August- 1 September 2022. -Poster presentation in "16th international congress of immunology and allergy" Tehran, Iran. April 2023
Projects	<ul style="list-style-type: none"> -Detection of SARS-CoV-2 in paraffin-embedded placenta from women with spontaneous abortion during winter to summer 2022, Lorestan university of medical sciences. - Antibiotics resistance in COVID-19 patients in Iran: A Systematic Review, Lorestan university of medical sciences. - Investigation of the autoimmune thyroid disease (AITD) following SARS CoV-2 infection: a systematic review study, Lorestan university of medical sciences. - Evaluation of the prevalence of Human Papilloma Virus in women prisoners of Lorestan province in 2023, Lorestan university of medical sciences. - Investigation of SARS-CoV-2 Coinfection with Influenza virus (A,B) and Respiratory Syncytial Virus (RSV) in clienteles' suspected to COVID-19 in summer-fall 2022, Lorestan university of medical sciences. - Investigation of lytic and latent adenovirus infection in children with tonsillar hypertrophy compared to healthy control group, IR.TUMS.SPH.REC.1398.162, Tehran university of medical sciences. - investigation of adenovirus genotype and viral load in two groups of children under 5 years of age with acute respiratory infection and without respiratory symptoms, IR.TUMS.SPH.REC.1400.043, Tehran university of medical sciences. - Identification of microbial pathogens in patients with

	<p>respiratory tract infection using Multiplex Real-Time Polymerase Reaction (PCR) technique, IR.TUMS.SPH.REC.1400.165, Tehran university of medical sciences.</p> <p>-Examining the prevalence and viral load of Epstein-Barr virus (EBV) in tonsil tissue of children with tonsillar hypertrophy, IR.TUMS.SPH.REC.1401.071, Tehran university of medical sciences.</p> <p>- Investigation of SARS-CoV-2 infection in domestic and wild animals and the possibility of its transmission to humans: A Systematic Review, IR.TUMS.SPH.REC.1401.055, Tehran university of medical sciences.</p>
Books	-Emerging viruses, publisher: Lorestan university of medical sciences, ISBN:9786227381887
Reviewer of journals	<p>Reviews in medical virology, impact factor: 11</p> <p>BMC Microbiology, impact factor: 4.6</p> <p>PIOS one, impact factor:3.7</p> <p>Iranian journal of medical microbiology, Scopus index</p> <p>Infection Epidemiology and Microbiology, Scopus index</p>
Publications:	<p>-Zahra Heydarifard, Ardalan Maleki Chegeni, Fatemeh Heydarifard, Bahram Nikmanesh, Vahid Salimi. (2024). An overview of SARS-CoV2 natural infections in companion animals: A systematic review of the current evidence. Reviews in Medical Virology. doi: https://doi.org/10.1002/rmv.2512</p> <p>- Kalantari, S., Zadheidar, S., Heydarifard, Z., Nejati, A., Sadeghi, K., Shatizadeh Malekshahi, S., ... & Shafiei - Jandaghi, N. Z. (2024). Epstein - Barr virus in tonsillar tissue of Iranian children with tonsillar hypertrophy: Quantitative measurement by real - time PCR. World Journal of Otorhinolaryngology - Head and Neck Surgery.</p> <p>- Gholami Barzoki M, Shatizadeh Malekshahi S, Heydarifard Z, Mahmodi MJ, Soltanghoreae H. The important biological roles of Syncytin-1 of human endogenous retrovirus W (HERV-W) and Syncytin-2 of HERV-FRD in the human placenta development. Mol Biol Rep. 2023 Sep;50(9):7901-7907. doi: 10.1007/s11033-023-08658-0. Epub 2023 Jul 8. PMID: 37421503.</p> <p>-Mohammadi, B, Dua, K, Saghafi, M, Singh, SK, Heydarifard, Z, Zandi, M. COVID-19-induced autoimmune thyroiditis: exploring molecular mechanisms. J Med Virol. 2023; 95:e29001. doi:10.1002/jmv.29001</p> <p>- Heydarifard, Z, Shafiei-Jandaghi, N-Z, Safaei, M, Tavakoli, F, Shatizadeh Malekshahi, S. Comparison of clinical outcomes, demographic, and laboratory characteristics of hospitalized COVID-19 patients during major three waves driven by Alpha, Delta, and Omicron variants in Tehran, Iran. Influenza Other Respi Viruses. 2023; 17(8):e13184. doi:10.1111/irv.13184</p>

- **Heydarifard Z**, Tabarraei A, Moradi A. Polymorphisms in CCR5Δ32 and risk of HIV-1 infection in the southeast of Caspian Sea, Iran. *Disease markers*. 2017;2017.
- **Heydarifard Z**, Safaei M, Zadheidar S, Ehsan S, Shafiei - Jandaghi NZ. Mucormycosis infection in severe COVID - 19 patient with multiple underlying health conditions. *Clinical Case Reports*. 2021;9(10):e05009
- **Heydarifard Z**, Tabarraei A, Abdollahi N, Moradi A, Khanjari Y. Evaluation of CCR5Δ32 polymorphism in patients with systemic lupus erythematosus and healthy individuals. *Medical Laboratory Journal*. 2018;12(2):38-43
- **Heydarifard Z**, Zadheidar S, Yavarian J, Shatizadeh Malekshahi S, Kalantari S, Mokhtari - Azad T, et al. Potential role of viral infections in miscarriage and insights into the underlying molecular mechanisms. *Congenital Anomalies*. 2022;62(2):54-67.
- **Heydarifard Z**, Zadheidar S, Yavarian J, Kalantari S, Nejati A, Mokhtari-Azad T, et al. SARS-CoV-2 Seroprevalence in People Referred to Private Medical Laboratories in Different Districts of Tehran, Iran from May 2020 to April 2021. *Virologica Sinica*. 2021;36:1236-40.
- **Heydarifard Z**, Yavarian J, Malekshahi SS, Zadheidar S, Mokhtari-Azad T, Shafiei-Jandaghi NZ. SARS-CoV-2: an imperative maternal-fetal concern. *Iranian Journal of Microbiology*. 2021;13(4):427.
- **Heydarifard Z**, Salimi V, Achak F, Zadheidar S, Sadeghi K, Yekaninejad MS, et al. Human adenovirus 6 identification in tonsillar tissue of children with tonsillar hypertrophy. *Reviews and Research in Medical Microbiology*. 2023;34(1):45-50
- Zadheidar S, Yavarian J, **Heydarifard Z**, Nejati A, Sadeghi K, Ghavami N, et al. Molecular epidemiology of human adenoviruses in children with and without respiratory symptoms: Preliminary findings from a case-control study. *BMC pediatrics*. 2022;22(1):1-7.
- Azhar IR, Mohraz M, Mardani M, Tavakoli MA, Afshar AE, Zamani M, **Heydarifard Z**, et al. Influenza species and subtypes circulation among hospitalized patients in Laleh hospital during two influenza seasonal (2016-2017 and 2017-2018) using a multiplex Real Time-Polymerase Chain Reaction. *Infectious Disease Reports*. 2020;12(1):8139
- Agin K, **Heydarifard Z**, Ghalichi L, Yaghoobi M, Ranjbar HH, Jazayeri SM, et al. Multipathogen Detection in Patients with Respiratory Tract Infection: Identification of Non-respiratory Viruses Using Multiplex Real-time Polymerase Reaction. *Jundishapur Journal of Microbiology*. 2021;14(11).
- Agin K, Rezaee I, **Heydarifard Z**, Jazayeri S-M. Co-detection of bocavirus and bacteria in a respiratory specimen from a pregnant woman using multiplex real time PCR; a pathogenic role, or a bystander? *Iranian Journal of Microbiology*. 2020;12(1):70

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