CURRICULUM VITAE

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| Personal Information | | | |
| First Name: | | **Zahra** | C:\Users\Immunologist\Desktop\my photo.jpg |
| Last Name: | | **Heydarifard** |
| Phone and email: | | **0989165554563** |
| Date of birth: | | **1993/03/17** |
| 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 | | 1- September 2017- April 2022 Tehran University of Medical Sciences: Tehran Ph.D. in Medical Virology  2- September 2014- November 2016 Golestan University of Medical Sciences, Gorgan Master in Medical Virology  3-September 2010-May 2014 Lorestan university of medical sciences, khoramabad Bachelor in medical laboratory sciences | |
| Research Experience | | 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.  Master Project: Evaluation of CCR5Δ32 Polymorphisms in HIV infected persons and healthy control | |
| Professional Experience: | | -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  -Proficient in setting up viral mRNA expression for qualitative and quantitative measurement.  -Specialized expertise in primer probe design and phylogenetic analysis.  - Extensive hands-on experience in conducting experiments and research in these fields | |
| membership | | -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 | | -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 | | -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 respiratory tract infection using Multiplex Real-Time Polymerase Reaction (PCR) technique, IR.TUMS.SPH.REC.1400.165, Tehran university of medical sciences.  -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.  - 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. | |
| Books | | -Emerging viruses, publisher: Lorestan university of medical sciences, ISBN:9786227381887 | |
| Reviewer of journals | | Reviews in medical virology, impact factor: 11  BMC Microbiology, impact factor: 4.6  PlOS one, impact factor:3.7  Iranian journal of medical microbiology, Scopus index  [Infection Epidemiology and Microbiology](https://journals.modares.ac.ir/), Scopus index | |
| Publications: | | **-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  - 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.  - Gholami Barzoki M, Shatizadeh Malekshahi S, **Heydarifard Z**, Mahmodi MJ, Soltanghoraee 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.  -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  - **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  - **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 | |
| Scholar link | | https://scholar.google.com/citations?user=sPXxJaEAAAAJ&hl=en | |