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: 11BMC Microbiology, impact factor: 4.6PlOS one, impact factor:3.7Iranian 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 |