



1. Personal and Contact Information:

First and Last Name: Sayyad Khanizadeh

Academic Rank: Associate Professor in Medical Virology

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Date of Birth: 1981

Marital Status: Married

4. Scientific Position:

1. Associate Professor of Medical Virology (Department of Virology, School of Medicine, Lorestan University of Medical Sciences)

5. Executive Position:

- 2009: Member of Iranian Society of Virology (continued).
- 2009: Member of Iranian Society of Microbiology (continued).
- 2018: Head of Hepatitis Research Center, Lorestan University of Medical Sciences(continued).
- 2019; Head of Department Virology, Faculty of Medicine, Lorestan University of Medical Sciences(continued).
- 2020; Technical officer of the molecular laboratory of the deputy of health (SARS-COV-2 diagnosis), Lorestan University of Medical Sciences.

6. Teaching Experiences:

- Medical virology Teaching for Medicine students Lorestan University of Medical Sciences (from 2015 to now).
- Medical virology Teaching for Dentist students Lorestan University of Medical Sciences (from 2015 to now).
- Medical virology Teaching for Pharmacology students Lorestan University of Medical Sciences (from 2015 to now).
- Medical virology Teaching for Lab students Lorestan University of Medical Sciences (from 2015 to now).
- Paractical virology Teaching for Lab students Lorestan University of Medical Sciences (from 2015 to now).
- Systematic virology Teaching for Master students, Lorestan University of Medical Sciences (from 2015 to now).
- General virology Teaching for Master students, Lorestan University of Medical Sciences (from 2017 to now).

- Practical virology Teaching for Master students, Lorestan University of Medical Sciences (from 2017 to now).
- Practical virology Teaching for Master students, Lorestan University of Medical Sciences (from 2017 to now).
- Specific topics in virology, Master students, Lorestan University of Medical Sciences (from 2017 to now).

7. Clinical Experiences:

- 2020: Technical Manager of Corona Virus Diagnosis Laboratory, Hepatitis Research Center Lab, Lorestan University of Medical Sciences (continued).
- 2015: Deputy of Hepatitis Research Center, Lorestan University of Medical Sciences (2018).

8. Research Field:

- □DNA and RNA extraction, PCR, Real Time – PCR, Primer Design
- Gene Cloning and Expression
- MicroRNAs and Viral Hepatitis
- Western Blot Hybridization
- ELISA
- Blood born viruses
- Viral Proteins
- Covid-19 testing

9. Grants:

10. Supervisor:

- **2019.** Seroepidemiological study of cytomegalovirus (CMV) in HIV positive patients in Khorramabad in. *Medicine student thesis.*
- **2018.** Correlation Study Between IL-28B Gene Polymorphism and Sustained Virological Response in Iranian Patients with Chronic Hepatitis C. *MSc student thesis.*

- **2018.** frequency of occult HBV infection in Hemophilia and thalassemia patients in Khorramabad in 1398. *MSc student thesis.*
- **2022.** Investigating the diagnostic value of one-step and two-step real-time Reverse transcription polymerase chain reaction (Realtime RT-PCR) for the diagnosis of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). *MSc student thesis*
- **2022.** Investigation of the frequency of Human T-lymphotropic virus type 1 in patients with hematologic malignancies and lymphoma in 1401 in Kermanshah and Khorramabad hospitals. *MSc student thesis.*
- **2022.** Investigating the relationship between serum levels of tRNAs syntheses and markers involved in pathogenesis, including CRP, TLR4, IL-6, and covid-19 disease in 1401. *MSc student thesis.*
- **2021.** Determining the prevalence of spike glycoprotein mutations of SARS-COV-2 virus in the RBD (Receptor Binding Domain) region among patients of Lorestan province (spring-summer) in 1400. *MSc student thesis.*
- **2022.** 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 (atom) in 1402. *MSc student thesis.*
- **2023.** Evaluation of the immunity level of new students of Lorestan University of Medical Sciences against hepatitis B vaccine .
Medicine student thesis.
- **2023.** Investigation the relationship between Corona viruse viral load and disease syptoms as well as laboratory findings and radiology in patients with Covid19 hospitalized in Khorramadad hospitals from October to December1400. *MSc student thesis.*

11. Advisor:

- **2019.** Seroepidemiological study of herpes simplex virus (HSV) in HIV positive patients in Khorramabad. *Medicine student thesis.*
- **2018.** HIV drug resistance. *MSc student thesis.*
- **2018.** HPV cancer and epigenetic changes in tissue cancerous. *PhD student thesis.*
- **2022.** Detection of SARS-CoV-2 in paraffin-embedded placenta from women with spontaneous abortion during winter to summer 2022. *MSc student thesis.*
- **2023.** Investigation of clinical manifestations, laboratory and prognosis of the children with infectious mononucleosis admitted to Shahid Rahimi Hospital in Khorramabad from 2013 to 2023 . *Medicine student thesis.*
- **2020.** Correlation of rs6195 and rs41423247 polymorphisms of glucocorticoid receptor gene with the mortality rate of SARS-CoV-2 infection . *MSc student thesis.*
- **2022.** Examining changes in oxygen saturation in patients with covid-19 and its relationship with changes in qualitative CRP and LDH levels in hospitalized patients of Shohday Ashair Hospital in 2021-2022. *Medicine student thesis.*

12. Papers:

English:

- *Sayyad Khanizadeh (corresponding author)*, SARS-COV-2 RBD (Receptor binding domain) mutations and variants (A sectional-analytical study).

[Microbial Pathogenesis.](#)

- **Sayyad Khanizadeh(coauthor)**. Prediction of hepatitis B virus lamivudine resistance based on YMDD sequence data using an artificial neural network model. *Hepat Mon.*2011;11(2)
- **Sayyad Khanizadeh(first author)**. Polymorphisms within the Promoter Region of the Gamma Interferon (IFN- γ) Receptor1 Gene are Associated with the Susceptibility to Chronic HBV Infection in an Iranian Population. *Hepat Mon.*2012;12
- **Khanizadeh S(first author)**, Correlation between Polymorphism of -56 SNP (T/C) Interferon- γ Receptor 1 Gene and Chronic HBV Infection. *Iranian Journal of Virology* 2011;5(2): 19-24.
- **Khanizadeh S(first author)**,. Blocking of SMAD4 expression by shRNA effectively inhibits fibrogenesis of human hepatic stellate cells. *Gastroenterol Hepatol Bed Bench* 2015;8(4):262-269).
- **Sayyad Khanizadeh(first author)**,. The evaluation of with and without protease effect of HCV NS3 protein on the expression of miRNA-122 and fibrogenesis of hepatic stellate cells. *Acta Virol.* 2016;60(3):242-8.
- **Sayyad Khanizadeh(first author)**, Mehrdad Ravanshad, Seyed Younes Hosseini, Jamal Sarvari, Parivash Davoodian, Farzaneh Sabahi. The effect of HCV NS3 protein on the expression of miR-335, miR-150, miR-194, miR-199a, miR-27a. *Microbial pathogenesis journal.* 2017.
- **S Khanizadeh (corresponding author)**, the effect of TGF-B/smad signaling pathway blocking on the expression profiles of miR-335, miR-150, miR-194, miR-27a, miR-199a of hepatic stellate cells (HSCs). *Gastroenterology and Hepatology from bed to bench* 2017.10 (2), 112.
- **Sayyad Khanizadeh(coauthor)**, Mohammad Hassan Pouriayevali, Mehdi Ajourloo. E6-Specific Detection and Typing of Human Papillomaviruses in Oral Cavity Specimens from Iranian Patients. *Iranian biomedical journal* 2017.21 (6), 411.
- **Sayyad Khanizadeh(coauthor)**, Hossein Mahmoudvand. Anti-Candida activity of Curcumin: A review. *Current Drug Discovery Technologies.* 2020.
- **Sayyad Khanizadeh (corresponding author)**, The AP-1 pathway; A key regulator of cellular transformation modulated by oncogenic viruses. *Reviews in Medical Virology.* 2020.
- **Sayyad Khanizadeh(coauthor)**, Haideh Namdari, Ebrahim Faghihloo, Abolfazl Akbari. Histone deacetylases in virus-associated cancers. *Reviews in Medical Virology.* 2020.

- **Sayyad Khanizadeh(coauthor)**. Molecular and serologic characterization of rotavirus from children with acute gastroenteritis in northern Iran, Gorgan. *BMC gastroenterology*. 2019.
- **Sayyad Khanizadeh(coauthor)**, Hadi Razavi Nikoo. Immunization of mice by the co-administration of codon-optimized HPV16 E7 and IL12 genes against HPV16-associated cervical cancer. *Microbial pathogenesis*. 2019.
- **Sayyad Khanizadeh (corresponding author)**. BK Virus Viremia in the First Days After Bone Marrow Transplantation: A Case-Control Study. *Iranian Red Crescent Medical Journal*. 2019.
- **Sayyad Khanizadeh(first author)**. Association between miRNA-146a rs2910164 (G/C) polymorphism with the susceptibility to chronic HBV infection and spontaneous viral clearance in an Iranian population. *Journal of medical virology*. 2019.
- **S Khanizadeh(coauthor)**. The effect of medicinal plant extracts on helminthes: A systematic review. *Journal of Isfahan Medical School*. 2019.
- **Sayyad Khanizadeh(first author)**. Interaction of viral oncogenic proteins with the Wnt signaling pathway. *Iranian journal of basic medical sciences*. 2018.
- **Sayyad Khanizadeh, (coauthor)** Javad Koshki. Antiparasitic properties of curcumin: A review. *AIMS Agric. Food*. 2018.
- **Sayyad Khanizadeh (corresponding author)** Association between IL-22 polymorphism (Rs1179251) and outcomes of HBV infection. *Human Gene*.2022
- **Sayyad Khanizadeh (coauthor)**. Prevalence of Human Papillomavirus and Co-Infection with Epstein-Barr Virus in Oral and Oropharyngeal Squamous Cell Carcinomas. *Asian Pacific Journal of Cancer Prevention*.2023
- **Sayyad Khanizadeh (corresponding author)**. Diagnostic power of one-step and two-step RT-qPCR methods to SARS-CoV-2 detection. *BMC Infectious Diseases*.2022
- **Sayyad Khanizadeh (coauthor)**. Molecular, Immunological, and Clinical Characterization of SARS-CoV-2 Infection in Breakthrough-Infected Healthcare Workers During the Last Wave of the Pandemic in Shiraz, Iran. *Jundishapur Journal of Microbiology*.2023
- **Sayyad Khanizadeh(first author)**. Rapid, sensitive, and specific detection of SARS-CoV-2 in nasopharyngeal swab samples of suspected patients using a novel one-step loop-mediated isothermal amplification (one-step LAMP) technique.*BMC Microbiology*.2023

- **Sayyad Khanizadeh (coauthor)**. The effect of SARS-COV-2 infection on the hematological markers. *Iranian Journal of Medical Microbiology*.2023
- **Sayyad Khanizadeh (coauthor)**. Multicenter study of some liver and heart function tests in SARS-Cov-2 patients from three ethnic groups in Iran. *VirusDisease*.2023
- **Sayyad Khanizadeh (coauthor)**. Association between the interleukin – 6 (IL-6) polymorphism in –174 G/C genotype (rs1800795) with the Covid-19 pathogenicity. *Human Gene*.2023
- **Sayyad Khanizadeh (corresponding author)**. Exploring the role of tryptophanyl-tRNA synthetase and associations with inflammatory markers and clinical outcomes in COVID-19 patients: A case-control study. *Microbial Pathogenesis*.2023
- **Sayyad Khanizadeh (coauthor)**. Epidemiological Study of Hepatitis D Virus in HBsAg Positive Patients in Khorramabad City, West of Iran, 2019. *Iranian Journal of Medical Microbiology*.2024
- **Sayyad Khanizadeh (coauthor)**. Identification and functional characterization a cysteine-rich peptide from the garlic (*Allium sativum* L.). *South African Journal of Botany*.2024
- **Sayyad Khanizadeh (corresponding author)**. Prevalence of HIV, HBV, and HCV infections and high-risk behaviors among women referred to drop-in centers of Lorestan province, western Iran. *Archives of Razi Institute*.2024
- **Sayyad Khanizadeh (corresponding author)**. Exploring Drug-Resistant Mutations in Protease Inhibitors and Subtype Distribution Among HIV-1 Positive Patients in Lorestan Province, Iran. *Jundishapur Journal of Microbiology*.2024

Persian:

- **Khanizadeh S**, Ravanshad M, Mohbbi R, Naghoosi H, Mousavi Nasab D, Tahaie M.E, Zali MR. The relationship between -611G/A (SNP) at promoter of interferon- γ receptor 1 gene and chronic HBV infection. (*AMUJ*). 2012; 15(66): 10-18.
- Hassanvand M, Goudarzi G, **Khanizadeh S**. The frequency of enterotoxin A and B genes among *Staphylococcus aureus* strains isolated from confectionary products and nares of its processing workers in Khorramabad city (2012). *Pejouhandeh* 2014;19(5):281-286.

- Sayyad Khanizadeh, Kiyana Shahzamani, Hadi Razavi Niko , Hmed Esmaili. The effect of HCV Core protein on the expression of miR-150. *yafteh journal*.2015.

13. Articles presented at national and international congresses and conferences (Oral, Poster):

- Relationship between Single-Nucleotide Polymorphism of PD1 and HBV infection. The 2nd Iranian Congress of Medical Genetics, June 2011. Tehran Imam Khomeini Hospital Conferences Center. **Poster.**
- **Association between -56 SNP at the Promoter of gamma interferon receptor-1 gene and chronic HBV infection. Fifth Congress of Clinical Microbiology, Nov. 2011. Shiraz. Poster**
- The Effect of HCV NS3 Protein on the Hepatic Fibrosis. **7th Congress of Laboratory and Clinical University of Iran, Jun 93. Poster**
- Association of polymorphism within promoter of the interferon-gamma receptor-1 gene and HBV chronicity among Iranian patients. **15th ICID Abstracts / International Journal of Infectious Diseases 16S (2012) e2–e157. Poster**
- The effects of hepatitis C virus NS3 protein on the expression of miR-122 and fibrogenesis of hepatic stellate cells in vitro. **6th International Tehran Hepatitis Conference. Lecture (oral).**
- Effectively inhibiting of fibrogenesis activity of human hepatic stellate cells by suppressing of SMAD4 gene expression, **9 th International Laboratory and Clinical Congress.**
- Seroepidemiology of hepatitis B and C virus infection in Lorestan province, Western Iran. **Second National Congress of Basic Science in Medicine and Knowledge Generation.**
- The effect of hepatitis C virus (HCV) core protein on the expression of miR-150. **7th Iranian Virology Congress.**

14. Workshops (Teaching, Presence):

- Operating and using PCR, RT-PCR, Nested-PCR
- Operating and using Real time PCR
- Research method workshop

- Introducing electronic source of Iran National Digital Medical Libratory
- New method for knowing addressee.
- End Note.
- Retrieval informati
- on from internet (Pub Med).
- E- Learning.
- Introducing advanced essay writing

15. Research Projects (Executor, Collaborator):

- Occult HCV infection in hemodialysis patients. Khorramabad Iran.2016.
- HBV infection in thalassemia and hemophilia patients. Khorramabad Iran.2017.

16. Reviewer of National and International Scientific Journals:

- Cell biology journal
- Iranian basic medical sciences
- Microbial pathogenesis
- Yafteh journal
- Herbal medicine journal

17.Membership in Scientific Associations:

- Iranian hepatitis network
- Iranian virology association

18.General Skills:

- SPSS Software
- Graph pad software
- PubMed data base

19.General interests:

- Bioinformatics
- RNDI
- Proteomics