

# CURRICULUM VITAE

**Seyed Reza Mohebbi**

**Date and place of Birth:** 19 May 1978, Tehran (Iran)

## ADDRESS

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## EDUCATION

2005-2010

Ph.D. in Virology, Tarbiat Modares University, Tehran

2002-2005

M.S. in Virology, Tarbiat Modares University, Tehran

1998-2002

B.S. in Cell and Molecular Biology, Damghan University

## PROFESSIONAL EXPERIENCE

- 2021-2023 Evaluating host immune responses to SARS-CoV-2 infection
- 2020-2023 Detection of SARS-CoV-2 genome in food and surface, ground and wastewater
- 2020-2021 Collaborating with SARS-CoV-2 national diagnostic laboratories network
- 2017-2023 Prevalence and molecular characterization of enteric viruses in food and water environments
- 2012-2023 Outbreak investigation and Molecular characterization of Noroviruses, Rotaviruses and HAV/HEV in Iranian population; a nationwide study (a collaboration with Iranian CDC, ministry of health)
- 2008-2012 Study on molecular epidemiology of food borne viruses in Iranian children with acute gastroenteritis, Tehran
- 2005-2015 Molecular epidemiology of Viral Hepatitis in Iran
- 2005-2010 Ph.D. project, Study on various genetic mutations in complete genome of Hepatitis B Virus (Tarbiat Modares University (TMU), Under supervision of Prof. Farzaneh Sabahi)
- 2002-2005 MS. project, Development and evaluation of an ELISA for p24 antigenemia detection in HIV-1 infected patients

## Selected publications:

Detection of human enteric viruses in fresh produce of markets, farms and surface water used for irrigation in the Tehran, Iran. Rafieepoor M, **Mohebbi SR**, Hosseini SM, Tanhaei M, Niasar MS, Kazemian S, Moore MD, Zali MR. *Sci Total Environ.* 2024; 912. 169575.

Comparison of plasma mitochondrial DNA copy number in asymptomatic and symptomatic COVID-19 patients. Shoraka S, **Mohebbi SR**, Hosseini SM, Zali MR. *Front Microbiol.* 2023;14. 1256042.

Host mitochondria: more than an organelle in SARS-CoV-2 infection. Shoraka S, Samarasinghe AE, Ghaemi A, **Mohebbi SR**. *Front Cell Infect Microbiol.* 2023;13:1228275.

Long non-coding RNAs ANRIL, THRIL, and NEAT1 as potential circulating biomarkers of SARS-CoV-2 infection and disease severity. Rahni Z, Hosseini SM, Shahrokh S, Saeedi Niasar M, Shoraka S, Mirjalali

H, Nazemalhosseini-Mojarad E, Rostami-Nejad M, Malekpour H, Zali MR, **Mohebbi SR**. *Virus Res.* 2023;336:199214.

The role of hepatitis B virus genome variations in HBV-related HCC: effects on host signaling pathways. Shoraka SH, Hosseini SM, Hasibi A, Ghaemi A, **Mohebbi SR**. *Front Microbiol.* 2023;14: 1213145.

Emerging applications of phage therapy and fecal virome transplantation for treatment of *Clostridioides difficile* infection: challenges and perspectives. Raeisi H, Noori M, Azimirad M, **Mohebbi SR**, et al. *Gut Pathog.* 2023;15:21

New insights into extracellular and intracellular redox status in COVID-19 patients. Tavassolifar MJ, Aghdaei HA, Sadatpour O, Maleknia S, Fayazzadeh S, **Mohebbi SR**, Montazer F, Rabbani A, Zali MR, Izad M, Meyfour A. *Redox Biol.* 2023. 59:102563.

High Prevalence Rate of Microbial Contamination in Patient-Ready Gastrointestinal Endoscopes in Tehran, Iran: an Alarming Sign for the Occurrence of Severe Outbreaks. Hourri H, Asadzadeh Aghdaei H, Firuzabadi S, Khorsand B, Soltanpoor F, Rafieepoor M, Tanhaei M, Soleymani G, Azimirad M, Sadeghi A, Ebrahimi Daryani N, Zamani F, Talaei R, Yadegar A, **Mohebbi SR**, Sherkat G, Hagh Azalli M, Malekpour H, Hemmasi G, Zali MR. *Microbiol Spectr.* 2023;11:e0058123.

Detection of SARS-CoV-2 RNA in selected agricultural and food retail environments in Tehran, Iran, Maedeh Rafieepoor M, **Mohebbi SR**, Hosseini SR, et al. *Frontiers in Public Health*, 2022. 10:823061.

Detection of SARS-CoV-2 Genome in Stool and Plasma Samples of Laboratory Confirmed Iranian COVID-19 Patients. Makhmalbaf M, Hosseini SM, Asadzadeh Aghdaei H, Saeedi Niasar M, Shoraka SH, Yadegar A, Ghavami SH. B, Shahrokh SH, Moshari MR, Malekpour H, Zali MR, **Mohebbi SR**. *Frontiers in Molecular Biosciences*, 2022. 9:865129.

Moore swab performs equal to composite and outperforms grab sampling for SARS-CoV-2 monitoring in wastewater. Rafiee M, Isazadeh S, Mohseni-Bandpey A, **Mohebbi SR**, et al. *Sci Total Environ.* 2021. 2;790:148205.

SARS-CoV-2 Infection and Guillain-Barré Syndrome: A Review on Potential Pathogenic Mechanisms. Shoraka S, Ferreira MLB, **Mohebbi SR**, et al. *Front Immunol.* 2021. 10;12:674922.

The first detection of SARS-CoV-2 RNA in the wastewater of Tehran, Iran. Tanhaei M, **Mohebbi SR**, Hosseini SM, et al. *Environ Sci Pollut Res Int.* 2021. 18:1-8.

Monitoring of rotavirus in treated wastewater in Tehran with a monthly interval, in 2017-2018. Tavakoli Nick S, **Mohebbi SR**, Hosseini SM, et al. *J Water Health.* 2020. 18:1065-1072.

Higher prevalence of asymptomatic or mild COVID-19 in children, claims and clues. Miri SM, Noorbakhsh F, **Mohebbi SR**, et al. *J Med Virol.* 2020. 92:2257-2259.

Association of Interleukin-17 gene polymorphisms with susceptibility to chronic hepatitis B virus infection and clearance in Iranian population. Tayefinasrabadi H, **Mohebbi SR**, Hosseini SM, et al. *Microb Pathog.* 2020. 144:104195.

Occurrence and molecular characterization of Torque teno virus (TTV) in a wastewater treatment plant in Tehran. Tavakoli Nick S, **Mohebbi SR**, Hosseini SM, et al. *J Water Health.* 2019. 17:971-977.

Association between Interleukin-21 and Interleukin-21 receptor gene polymorphisms with susceptibility to chronic hepatitis B virus infection and HBV spontaneous clearance in Iranian population. Shoraka S, **Mohebbi SR**, Hosseini SM, et al. *Microb Pathog.* 2019. 10;128:263-267.

Differential expression of innate immune response genes in clinical phases of chronic hepatitis B infection. Romani S, Hosseini SM, **Mohebbi SR**, et al. *J Viral Hepat.* 2017. 24:776-788.

Phylogenetic analysis of hepatitis C virus strains and risk factors associated with infection and viral subtypes among Iranian patients. Salehi Moghadam F, **Mohebbi SR**, Hosseini SM, et al. *J Med Virol.* 2014. 86:1342-9.

Characterisation of Hepatitis B Virus Genome Variability in Iranian Patients with Chronic Infection, a Nationwide Study. **Mohebbi SR**, Amini-Bavil-Olyae S, Zali N, et al. *J Med Virol.* 2012. 84:414-423.

An Extremely Aberrant Subtype of Hepatitis B Virus Genotype D in Iran. **Mohebbi SR**, Amini-Bavil-Olyae S, Zali N, et al. *Hepat Mon.* 2009. 9:73-75.

Molecular epidemiology of Hepatitis B virus in Iran. **Mohebbi SR**, Amini-Bavil-Olyae S, Zali N, et al. *Journal of clinical microbiology and infection.* 2008. 14:858-866.

Molecular epidemiology of Hepatitis delta virus (HDV) in Iran: A preliminary report. **Mohebbi SR**, Zali N, Derakhshan F, Tahami A, et al. *J Med Virol.* 2008. 80:2092-2099.

### **Books**

Introduction to food virology. Hosseini SM, **Mohebbi SR**, Romani S (2015), Arad book publication, ISBN: 978-600-186-198-7

Human Carcinogenic Viruses. **Mohebbi SR**, Tahaei SME, MousaviNasab SD (2011) Royan Pazhouh publication, ISBN: 978-600-6308-11-1

Hepatitis C; from diagnosis to treatment. Zali MR, **Mohebbi SR** (2009) Yanoos Publication, ISBN: 976-600-90055-8-1.

AIDS disease and vaccine. Mahdavi M, Jamali A, **Mohebbi SR** (2006) Jahade-Daneshghahi Publication, ISBN: 964-8848-52-1.

## **Membership**

Iranian Society for Virology “ISV”

Iranian biology society “IBS”

International Society for Food and Environmental Virology “ISFEV”

European Society of Clinical Microbiology and Infectious Diseases “ESCMID”

World Society for Virology “WSV”

## **Research Interest**

Viral Hepatitis

Food and environmental virology

Role of host genetic factors in viral infection

Viral evolution and epidemiology

SARS-CoV-2