

# Tahmineh Jalali

PhD, Microbial Biotechnology, Assistant Prof.

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Citation 630, h-index 16

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Citation 991, h-index 20

## Education:

- **September 2013- January 2019:** PhD in Microbial Biotechnology, Shahed University, Department of Biology.
  - Ranked first in Nationwide Entrance Examination administered by the Ministry of Science, Research and Technology for PhD degree in microbial biotechnology applicants.
  - Title of thesis: Production of a Recombinant Nucleoprotein of Crimean Congo Hemorrhagic Fever Virus (CCHFV) and Development of DNA Aptamer by Protein SELEX method.
- **September 2011- September 2013:** M.Sc. in Microbial Biotechnology, PayamNour University of Tehran, Department of Basic Science.
  - Title of thesis: Investigate the relation between viral load and cytokines level of IL-1 $\alpha$ , IL-6, IL-10 and TNF- $\alpha$  with severity of Crimean Congo Hemorrhagic Fever (CCHF) diseases in Iranian patients.
- **February 2004- February 2008:** B.Sc. in Biotechnology, Alzahra University.
- **September 2002- June 2003:** Pre-university, Experimental sciences, National Organization for Development of Exceptional Talent (NODET).
- **September 1999- June 2002:** Diploma in Experimental Science from National Organization for Development of Exceptional Talent (NODET).

## Working Experience:

- **May 2020-present:** Faculty at Pasteur Institute of Iran, COVID-19 National Reference Laboratory and Department of Arboviruses and Viral Hemorrhagic Fevers (National Reference Laboratory).
  - Conducting Research Projects
  - Education and Supervising Student Theses
- **January 2020- May 2020:** Lab manager at Pasteur Institute of Iran, National Reference Laboratory of COVID-19.
  - Coordinating lab work including receiving, testing, and reporting samples and kits.
  - Designing and evaluating molecular tests
  - Education of technical staff for laboratory network of molecular detection.
- **August 2016- May 2020:** Lab manager at Pasteur Institute of Iran, Department of Arboviruses and Viral Hemorrhagic Fevers (National Reference Laboratory).
  - Coordinating lab work including receiving, testing, and reporting samples.
  - Preparing proposals, reports, and articles.
- **July 2005- August 2016:** Research assistant at Pasteur Institute of Iran, Department of Arboviruses and Viral Hemorrhagic Fevers (National Reference Laboratory).
  - Doing molecular and serologic tests and helping with preparing proposals, articles, and reports.

## Contact:

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Viral Hemorrhagic Fevers  
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**Molecular techniques:** Designing primers and probes, Real Time PCR tests as quantitative and qualitative, and conventional PCRs, and also RNA and DNA isolation.

**Cell Culture:** Cell culture, IF microscopy.

**Aptamer Technology:** SELEX and Protein SELEX.

**Protein expression:** Designing cassettes, Cloning and Gene Expression, Protein extraction, Purification and Refolding.

**Immunoassays:** Antibody staining, designing ELISA, ELASA and Immunofluorescent assays.

**Bioinformatics:** Specific Software for biologists (SnapGene, CLC, Mega, primer design, etc.), Phylogenetic Study.

**Vaccine Trial:** Designing laboratory tests program for vaccine trial of COVID-19.

**Quality management at laboratories:** Extensive experience in Preparation of SOPs and quality control and documentation of information in laboratories according to ISO 15189:2007 and ISO/IEC 17025:2005,

**Technical Auditor** of Molecular Laboratories at National Level according to WHO guidelines as representative of Pasteur Institute of Iran.

## Technical Course:

**2015 (July 12<sup>th</sup>-July 24<sup>th</sup>):** Outbreak Investigation, 12<sup>th</sup> HKU-Pasteur Research Virology Course, Hong Kong.

## Teaching and Speaking Experience:

1. Special topics in biotechnology, PhD Course, Shahed University, fall 2022
2. Viral Hemorrhagic Fevers (VHFs) surveillance system in Iran, CDC, MoH, Iran, 7 March 2022.
3. Technical training course to use of RDT of SARS-CoV-2 to control the outbreak, MoH, Iran, 11 January 2022.
4. Roll of Laboratory in Outbreak Investigation, WHO-EMRO, 13-18 October 2021 and 2-7 November 2021.
5. Technical training course for establishment of Viral Hemorrhagic Fevers' Laboratory Network, National Workshops for Experts, CDC, MoH, May and December 2021.
6. Aptamers and their application in Virology, Shahed University, 10 April 2018, and International webinar of Biotechnology 30 April -6 May 2021.
7. Technical training course to establishment of COVID-19 National Labs, National Workshops for Experts, CDC, MoH, March 2020.
8. Arthropod borne disease, Shahriar Health Centre, Iran 21 November 2017.
9. Crimean Congo Hemorrhagic Fever, Iranian Society of Virology, 27 July 2015.
10. Crimean-Congo Hemorrhagic Fever (CCHF) and molecular and serological diagnostic methods, Pasteur Institute of Iran, 26-7 January 2009.

## Publications:

### Books:

1. 2012: Sadegh Chinikar, Nariman Shah Hosseini and Tahmineh Jalali "Crimean-Congo Hemorrhagic Fever and experimental lessons in Iran", ISBN: 9783659214226, Lambert Academic Publishing, August 2012

### Articles:

1. 2023: Mahmoudi A, Mostafavi E, Mohammadi A, Jalali T, Denys C, Nicolas V, Hugot JP, Lalis A, Salehi-Vaziri M. The first identification of Tula orthohantavirus in forest dormice (Rodentia: Gliridae) from Iran. *Mammalia*. 2023 Jun 12(0).
2. 2023: Moshref ZS, Jalali T, Adriani RR, Soltati E, Gargari SL. Aptamer-based diagnosis of various SARS-CoV2 strains isolated from clinical specimens. *Heliyon*. 2023 Jun 1;9(6).
3. 2023: Mostafavi E, Eybpoosh S, Karamouzian M, Khalili M, Haji-Maghsoudi S, Salehi-Vaziri M, Khamesipour A, Jalali T, et.al. Efficacy and safety of a protein-based SARS-CoV-2 vaccine: a randomized clinical trial. *JAMA Network Open*. 2023 May 1;6 (5):e2310302-.
4. 2022: Ali Maleki, Zahra Fereydouni, Mahsa Tavakoli, Akram Ezani, Mirshamsedin Hosseini, Amir Hesam Nemati, Parastoo Yektay Sanat, Tahmineh Jalali, Mohammad Hassan Pouriayevali, Mostafa Salehi-Vaziri, “Novel Mutations Associated with N-Gene Target Failure in SARS-COV-2 Genome in Iran, Case Series” *Journal of Medical Microbiology and Infectious Diseases*, Volume 10, Issue 3, Pages 141-5.
5. 2022: Ali Maleki, Mohammad Hassan Pouriayevali, Mahsa Tavakoli, Zahra Ahmadi, Farideh Niknam Oskouei, Zahra Nejatipour, Tahmineh Jalali, Mostafa Salehi-Vaziri “Sequential HCoV-HKU1 and SARS-CoV-2 Infections, a Case Report” *Journal of Medical Microbiology and Infectious Diseases*, Volume 10, Issue 2, Pages 93-7.
6. 2022: Mostafa Salehi-Vaziri, Mehdi Fazlalipour, Seyed Mahmood Seyed Khorrani, Kayhan Azadmanesh, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Zabihollah Shoja, Ali Maleki “The ins and outs of SARS-CoV-2 variants of concern (VOCs)” *Archives of Virology*, Pages 1-18.
7. 2022: Mehdi Mohebbali, Gholamreza Hassanpour, Mohammad Zainali, Mohammad Mehdi Gouya, Simin Khayat-zadeh, Mehdi Parsaei, Nazila Sarafranz, Mehdi Hassanzadeh, Amrollah Azarm, Mostafa Salehi-Vaziri, Farhang Sasani, Zahra Heidari, Tahmineh Jalali, Mohammad Hassan Pouriayevali, Zabihollah Shoja, Zahra Ahmadi, Marzieh Sadjadi, Mahsa Tavakoli, Sanam Azad-Manjiri, Chiman Karami, Zabihollah Zarei “SARS-CoV-2 in Domestic Cats (*Felis Catus*) in the North-West of Iran: Evidence for SARS-CoV-2 Circulating between Human and Cats” *Virus Research*, Volume 2022, Pages 198673.
8. 2021 (corresponding Author): Mostafa Salehi-Vaziri, Mohammad Hassan Pouriayevali, Fatemeh Fotouhi, Tahmineh Jalali, Mohammad Banifazl, Behrokh Farahmand, Mona Sadat Larijani, Zahra Ahmadi, Zahra Fereydouni, Mahsa Tavakoli, Afsaneh Karami, Sanam Azad-Manjiri, Parastoo Yektay Sanati, Sarah Dahmardeh, Amir Hesam Nemati, Marzyie Sajadi, Setareh Kashanian, Amitis Ramezani, “SARS-CoV-2 re-infection rate in Iranian COVID-19 cases within one-year follow-up” *Microbial pathogenesis*, Volume 161, Pages 105296.
9. 2021: Mohammad Shoushtari, Mostafa Salehi-Vaziri, Farzin Roohvand, Arash Arashkia, Tahmineh Jalali, Kayhan Azadmanesh “Taguchi array optimization of the reverse transcription loop-mediated isothermal amplification (RT-LAMP) assay for sensitive and rapid detection of dengue virus serotype 2” *Biotechnology Letters*, Volume 43.11, Pages 2149-2160.
10. 2021: Mostafa Salehi-Vaziri, Tahmineh Jalali, Behrokh Farahmand, Fatemeh Fotouhi, Mohammad Banifazl, Mohammad Hassan Pouriayevali, Mona Sadat Larijani, Neda Afzali, Amitis Ramezani “Clinical characteristics of SARS-CoV-2 by re-infection vs. reactivation: a case series from Iran” *European Journal of Clinical Microbiology & Infectious Diseases*, Volume 40.8, Pages 1713-1719.
11. 2021 (corresponding Author): Mostafa Salehi-Vaziri, Mir Davood Omrani, Mohammad Hassan Pouriayevali, Fatemeh Fotouhi, Mohammad Banifazl, Behrokh Farahmand, Mona Sadat Larijani, Zahra Ahmadi, Zahra Fereydouni, Mahsa Tavakoli, Tahmineh Jalali, Amitis Ramezani “SARS-CoV-2 presented moderately during two episodes of the infection with lack of antibody responses” *Virus Research*, Volume 299, Pages 198421.

12. 2021: Tahmineh Jalali, Mostafa Salehi-Vaziri, Mohammad Hassan Pouriayevali, Seyed Latif Mousavi Gargari “Aptamer based diagnosis of Crimean-congo hemorrhagic fever from clinical specimens” Scientific Reports Volume 11.1, Pages 1-10.
13. 2021: Mostafa Salehi-Vaziri, Jamal Sarvari, Maryam Mansurnejadan, Alireza Shiri, Negar Joharinia, Ruhollah Khoshtakht, Omid Jaber, Mohammad Hassan Pouriayevali, Sanam Azad-Manjiri, Tahmineh Jalali, Mehdi Fazlalipour, Seyed Younes Hosseini “Evidence of Hantavirus circulation among municipal street sweepers, southwest of Iran” VirusDisease, Volume 32.2, Pages 251-254.
14. 2021: Mostafa Salehi-Vaziri, Arash Arashkia, Ehsan Mostafavi, Tahmineh Jalali, Mohammad Hassan Pouriayevali, Mehdi Fazlalipour, Zabihollah Shoja, Mehdi Rohani, Saber Esmaeili, Fatemeh Fotouhi-Chahooki, Kazem Baesi, Ali Maleki, Seyed Dawood Mousavi Nasab, Zahra Ahmadi, Tahereh Mohammadi, Sanam Azad-nManjiri, Mohammad Sadegh Shams Nosrati, Mahsa Tavakoli, Zahra Fereydouni, Sahar Khakifirooz, Siamak Mirab Samiee, Alireza Biglari, Kayhan Azadmanesh “How Iran responded to expanding need for laboratory services for COVID-19?” Health Policy and Technology, Volume 10.2, Pages 100506.
15. 2021: Fatemeh Fotouhi, Mostafa Salehi-Vaziri, Behrokh Farahmand, Ehsan Mostafavi, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Vahideh Mazaheri, Mona Sadat Larijani, Mahsa Tavakoli, Neda Afzali, Afsaneh Zokaei, Seyedatefe Hosseini, Mohamad Mahdi Mortazavipour, Farideh Niknam Oskouei, Amitis Ramezani “Prolonged viral shedding and antibody persistence in patients with COVID-19.” Microbes and Infection” Volume 23.4-5, Pages 104810.
16. 2021: Arash Arashkia, Somayeh Jalilvand, Nasir Mohajel, Atefeh Afchangi, Kayhan Azadmanesh, Mostafa Salehi-Vaziri, Mehdi Fazlalipour, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Seyed Dawood Mousavi Nasab, Farzin Roohvand, Zabihollah Shoja, SARS CoV-2 Rapid Response Team of Pasteur Institute of Iran (PII) “Severe acute respiratory syndrome coronavirus2 spike (S) protein based vaccine candidates: State of the art and future prospects” Reviews in medical virology Volume 31.3, Pages e2183.
17. 2021: Amirsajad Jafari, Mehdi Rasekh, Dariush Saadati, Faezeh Faghihi, Mehdi Fazlalipour, Sahar Khakifirooz, Tahmineh Jalali, Zahra Ahmadi “Molecular detection of Crimean Congo hemorrhagic fever in tick vectors in rural areas of eastern Iran” New Findings in Veterinary Microbiology Volume 3, Issue 2, Pages 1-9.
18. 2021: Zohreh Fattahi, Marzieh Mohseni, Maryam Beheshtian, Ali Jafarpour, Khadijeh Jalalvand, Fatemeh Keshavarzi, Hanieh Behravan, Fatemeh Ghodrathpour, Farzane Zare Ashrafi, Marzieh Kalhor, Maryam Azad, Mahdieh Koshki, Azam Ghaziasadi, Mohamad Soveyzi, Alireza Abdollahi, Seyed Jalal Kiani, Angila Ataei-Pirkooh, Iman Rezaeiazhar, Farah Bokharaei-Salim, Mohammad Reza Haghshenas, Farhang Babamahmoodi, Zakiye Mokhames, Alireza Soleimani, Zohreh Elahi, Masood Ziaee, Davod Javanmard, Shokouh Ghafari, Akram Ezani, Alireza AnsariMoghaddam, Fariba Shahraki-Sanavi, Seyed Mohammad HashemiShahri, Azarakhsh Azaran, Farid Yousefi, Afagh Moattari, Mohsen Moghadami, Hamed Fakhim, Behrooz Ataei, Elahe Nasri, Vahdat Poortahmasebi, Mojtaba Varshochi, Ali Mojtahedi, Farid Jalilian, Mohammad Khazeni, Abdolvahab Moradi, Alijan Tabarraei, Ahmad Piroozmand, Yousef Yahyapour, Masoumeh Bayani, Fatemeh Tavangar, Mahmood Yaghoubi, Fariba Keramat, Mahsa Tavakoli, Tahmineh Jalali, Mohammad Hassan Pouriayevali, Mostafa Salehi-Vaziri, Hamid Reza Khorram Khorshid, Reza Najafipour, Reza Malekzadeh, Kimia Kahrizi, Seyed Mohammad Jazayeri, Hossein Najmabadi “Disease waves of SARS-CoV-2 in Iran closely mirror global pandemic trends” medRxiv
19. 2020: Hossein Maghsood, Sedigheh Nabian, Parviz Shayan, Tahmineh Jalali, Meysam Saboor Darbandi, Mohammad Mehdi Ranjbar “Molecular epidemiology and phylogeny of Crimean-Congo

- haemorrhagic fever (CCHF) virus of ixodid ticks in Khorasan Razavi Province of Iran” Journal of Arthropod-Borne Diseases, Volume 14, Issue 4, Pages 400.
20. 2020: Mostafa Salehi-Vaziri, Hassan Vatandoost, Alireza Sanei-Dehkordi, Mehdi Fazlalipour, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Tahereh Mohammadi, Mahsa Tavakoli, Azim Paksa, Yaser Salim Abadi “Molecular assay on detection of Crimean Congo hemorrhagic fever (CCHF) virus in ixodid ticks collected from livestock in slaughterhouse from South of Iran” Journal of arthropod-borne diseases, Volume 14, Issue 3, Pages 286.
  21. 2020: Sahar Asadolahizoj, Dariush Saadati, Mehdi Rasekh, Faezeh Faghihi, Mehdi Fazlalipour, Sahar Khakifirouz, Tahmineh Jalali, Zahra Ahmadi “Molecular detection of Crimean-Congo hemorrhagic fever virus in tick species collected from livestock in the border line of Iran-Afghanistan” New Findings in Veterinary Microbiology, Volume 2, Issue 2, Pages 75-83.
  22. 2019: Mohammad Hassan Pouriayevali, Farshid Rezaei, Tahmineh Jalali, Vahid Baniasadi, Mehdi Fazlalipour, Ehsan Mostafavi, Sahar Khakifirouz, Tahereh Mohammadi, Zahra Fereydooni, Mahsa Tavakoli, Sanam Azad-Manjiri. “Imported cases of Chikungunya virus in Iran” BMC infectious diseases Volume 19, Issue 1, Pages 1004.
  23. 2019: Vahid Baniasadi, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Mehdi Fazlalipour, Kayhan Azadmanesh, Mostafa Salehi-Vaziri. “Evaluation of first rapid diagnostic kit for Anti-Crimean-Congo Hemorrhagic Fever virus IgM antibody using clinical samples from Iran” Journal of Virological Methods, Volume 265, Pages 49-52, IF 1.756.
  24. 2019: Tahmineh Jalali, Mostafa Salehi-Vaziri, Mohammad Hassan Pouriayevali, Seyed Latif Mousavi Gargari. “Evaluation of Crimean-Congo Hemorrhagic Fever Orthonairovirus’s AviTagged nucleoprotein for potential application in diagnosis” Iranian Biomedical Journal (IBJ). Volume 23, Issue 6 Pages 379.
  25. 2019: Mostafa Salehi-Vaziri, Azadeh Salarian Kaleji, Mehdi Fazlalipour, Tahmineh Jalali, Tahereh Mohammadi, Sahar Khakifirouz, Vahid Baniasadi, Mohammad Hassan Pouriayevali, Ahmad Mahmoudi, Noel Tordo and Ehsan Mostafavi. “Hantavirus infection in Iranian patients suspected to viral hemorrhagic fever” Journal of Medical Virology Volume 91, Issue 10 Pages: 1737-1742.
  26. 2019: Mehdi Fazlalipour, Vahid Baniasadi, Mohammad Hassan Pouriayevali, Tahmineh Jalali, Tahereh Mohammadi, Sanam Azad-Manjiri, Sara Azizizadeh, Motahareh Hosseini, Zahra Fereydouni, Mahsa Tavakoli, Mahsa Ghalejoogh. “Crimean-Congo hemorrhagic fever virus Asia 2 genotype in Qeshm Island, southern Iran: A case report” Journal of Vector Borne Diseases, Volume 56, Issue 3, Page: 276.
  27. 2018: Zahra Hosseini, Mostafa Salehi Vaziri, Sara Ahmadnia, Mohammad Reza Fakoorziba, Tahmineh Jalali, Zakkyeh Telmadarraiy, and Mohammad Djaefar Moemenbellah-Fard. “Hard ticks infesting domestic ruminants, species composition and infection with Crimean-Congo hemorrhagic fever virus in a highland province, SW Iran” Journal of Health Sciences & Surveillance System, Volume 7, Issue 2, Page: 52-59.
  28. 2018: Khakifirouz, Sahar, Seyed Javad Mowla, Vahid Baniasadi, Mehdi Fazlalipour, Tahmineh Jalali, Seyedeh Maryam Mirghiasi, and Mostafa Salehi-Vaziri. "No Detection of Crimean Congo Hemorrhagic Fever (CCHF) Virus in Ticks from Kerman Province of Iran." Journal of Medical Microbiology and Infectious Diseases, Volume 6, Issue 4, Pages: 108-111.
  29. 2017: Mehdi Fazlalipour, Behzad Mohsenpour, Vahid Baniasadi, Tahmineh Jalali, Tahereh Mohammadi, Sanam Azad-Manjiri, Yasaman Jamshidi, Sara Azizizadeh, Motahareh Hosseini, Sahar Khakifirouz, Mostafa Salehi-Vaziri. “A Case Report of Crimean-Congo Hemorrhagic Fever Virus Europe-1 Genotype in the West of Iran” Iranian Red Crescent Medical Journal, Volume 19, Issue 11, e 14217, IF: 0.786.

30. 2017: Dalileh Aslani, Mostafa Salehi-Vaziri, Vahid Baniasadi, Tahmineh Jalali, Sanam Azad-Manjiri, Tahereh Mohammadi, Sahar Khakifirouz, and Mehdi Fazlalipour. "Crimean-Congo hemorrhagic fever among children in Iran" Archives of Virology, Volume 162, Issue 3, Pages 721–725, IF: 2.160.
31. 2016: Maria Mohammadian, Sadegh Chinikar, Zakkyeh Telmadarraiy, Hassan Vatandoost, Mohammad Ali Oshaghi, Ahmad Ali Hanafi-Bojd, Mohammad Mehdi Sedaghat, Mehdi Noroozi, Faezeh Faghihi, Tahmineh Jalali, Sahar Khakifirouz, Nariman Shahhosseini, Firoozeh Farhadpour. "Molecular Assay on Crimean Congo Hemorrhagic Fever Virus in Ticks (Ixodidae) Collected from Kermanshah Province, Western Iran" Journal of arthropod-borne diseases, Volume 10, Issue 3, Pages 381-391, IF: 1.231.
32. 2016: Mostafa Salehi-Vaziri, Shokrollah Salmanzadeh, Vahid Baniasadi, Tahmineh Jalali, Tahereh Mohammadi, Sanam Azad-Manjiri, Yasaman Jamshidi, Sahar Khakifirouz, Mehdi Fazlalipour "An Outbreak of Crimean-Congo Hemorrhagic Fever in the South West of Iran" Jundishapur Journal of Microbiology, Volume 10, Issue 1, Pages 1-3, IF: 1.233.
33. 2016: Mohsen Champour, Sadegh Chinikar, Gholamreza Mohammadi, Gholamreza Razmi, Ehsan Mostafavi, Nariman Shah-Hosseini, Sahar Khakifirouz, Tahmineh Jalali "Crimean-Congo Hemorrhagic Fever in the One-Humped Camel (Camelus dromedarius) in East and Northeast of Iran" Journal of Arthropod-Borne Diseases Volume 10 Issue 2 Pages 168-177, IF: 1.231.
34. 2016: Sadegh Chinikar, Saeid Bouzari, Mohammad Ali Shokrgozar, Ehsan Mostafavi, Tahmineh Jalali, Sahar Khakifirouz, Norbert Nowotny, Anthony R Fooks, Nariman Shah-Hosseini "Genetic diversity of Crimean Congo hemorrhagic fever virus strains from Iran" Journal of Arthropod-Borne Diseases Volume 10 Issue 2 Pages 127-140, IF: 1.231.
35. 2016: Sadegh Chinikar, Nariman Shah-Hosseini, Saeid Bouzari, Mohammad Ali Shokrgozar, Ehsan Mostafavi, Tahmineh Jalali, Sahar Khakifirouz, Martin H Groschup, Matthias Niedrig "Assessment of Recombination in the S-segment Genome of Crimean-Congo Hemorrhagic Fever Virus in Iran" published online in Journal of Arthropod-Borne Diseases, Volume 10 Issue 1 Pages 12-23, IF: 1.231.
36. 2016: Mohsen Champour, Sadegh Chinikar, Gholamreza Mohammadi, Gholamreza Razmi, Nariman Shah-Hosseini, Sahar Khakifirouz, Ehsan Mostafavi, Tahmineh Jalali "Molecular epidemiology of Crimean–Congo hemorrhagic fever virus detected from ticks of one humped camels (Camelus dromedarius) population in northeastern Iran" Journal of Parasitic Diseases, Volume 40 Issue 1 Pages 110-115.
37. 2016: Firoozeh Farhadpour, Zakkyeh Telmadarraiy, Sadegh Chinikar, K Akbarzadeh, MD Moemenbellah-Fard, Faezeh Faghihi, MR Fakoorziba, Tahmineh Jalali, Ehsan Mostafavi, Nariman Shahhosseini, Maria Mohammadian "Molecular detection of Crimean–Congo haemorrhagic fever virus in ticks collected from infested livestock populations in a New Endemic Area, South of Iran" Tropical Medicine & International Health, Volume 21 Issue 3, Pages 340-347, IF: 2.541.
38. 2016: Mostafa Salehi-Vaziri, Vahid Baniasadi, Tahmineh Jalali, S Maryam Mirghiasi, Sanam Azad-Manjiri, Roya Zarandi, Tahereh Mohammadi, Sahar Khakifirouz, Mehdi Fazlalipour "The first fatal case of Crimean-Congo Hemorrhagic Fever due to AP92 like strain of Crimean-Congo Hemorrhagic Fever virus" Japanese journal of infectious diseases, Volume 69 Issue 4, Pages 344-346, IF: 1.014.
39. 2016: Mehdi Fazlalipour, Vahid Baniasadi, S Maryam Mirghiasi, Tahmineh Jalali, Sahar Khakifirouz, Sanam Azad-Manjiri, Vahid Mahmoodi, Hamid Reza Naderi, Roya Zarandi, Mostafa Salehi-Vaziri "Crimean-Congo Hemorrhagic Fever Due to Consumption of Raw Meat: Case Reports From East-North of Iran" Japanese journal of infectious diseases, Volume 69 Issue 3 Pages 270-271, IF: 1.014.

40. 2015: Mohammad Hassan Kayedi, Sadegh Chinikar, Ehsan Mostafavi, Sahar Khakifirouz, Tahmineh Jalali, Asadolah Hosseini-Chegeni, Ali Naghizadeh, Matthias Niedrig, Anthony R Fooks, Nariman Shahhosseini “Crimean–Congo Hemorrhagic Fever Virus Clade IV (Asia 1) in Ticks of Western Iran” *Journal of medical entomology*, Volume 52, Issue 5 Pages 1144-1149, If: 1.968.
41. 2015: Zahra Meshkat, Sadegh Chinikar, MohammadTaghi Shakeri, Lida Manavifar, Maryam Moradi, Hessam Mirshahabi, Tahmineh Jalali, Sahar Khakifirouz, Nariman Shahhosseini “Prevalence of West Nile virus in Mashhad, Iran: A population–based study” *Asian Pacific journal of tropical medicine*, Volume 8 Issue 3 Pages 203-205, IF: 1.634.
42. 2015: Vahid Baniasadi, Mostafa Salehi-Vaziri Tahmineh, Jalali, Sanam Azad-Manjiri, Tahereh Mohammadi, Sahar Khakifirouz, Mehdi Fazlalipour. “An Imported Case of Dengue Fever in Iran, 2015” *Iranian Journal of Virology*, Volume 10 Issue 1, Pages 31-34
43. 2015: Faezeh Faghihi, Sadegh Chinikar, Zakyeh Telmadarraiy, Hasan Bakhshi, Sahar Khakifirouz, Tahmineh Jalali, Gidiglo Godwin Nutifafa “Crimean-Congo hemorrhagic fever: A seroepidemiological and molecular survey in north of Iran” *Journal of Entomology Zoology Study*, Volume 3 Issue 1 Pages 1-4.
44. 2015: Sadegh Chinikar, Abbas Ali Javadi, Arash Hajiannia, Behroz Ataei, Tahmineh Jalali, Sahar Khakifirouz, Norbert Nowotny, Jonas Schmidt-Chanasit, Nariman Shahhosseini “First Evidence of Hantavirus in Central Iran as an Emerging Viral Disease” *Advances in Infectious Diseases*, Volume 4 Issue 04 Pages 173.
45. 2014: Mohsen Champour, Gholamreza Mohammadi, Sadegh Chinikar, Gholamreza Razmi, Nariman Shah-Hosseini, Sahar Khakifirouz, Ehsan Mostafavi & Tahmineh Jalali “Seroepidemiology of Crimean-Congo hemorrhagic fever virus in one-humped camels (*Camelus dromedarius*) population in northeast of Iran” published in *Journal of vector borne diseases*, Volume 51 Pages 62-65, IF: 0.886.
46. 2013: Sadegh Chinikar, Nariman Shah-Hosseini, Saeid Bouzari, Tahmineh Jalali, Mohammad Ali Shokrgozar, Ehsan Mostafavi “New circulating genomic variant of Crimean-Congo hemorrhagic fever virus in Iran” published in *Archives of virology*, Volume 158 Issue 5 Pages 1085-1088, IF: 2.160.
47. 2013: Sadegh Chinikar, Nariman Shah-Hosseini, Ehsan Mostafavi, Maryam Moradi, Sahar Khakifirouz, Tahmineh Jalali and Anthony R. Fooks “Surveillance of Rift Valley Fever in Iran between 2001 and 2011” published in *All Results Journal Biology*, Volume 4 Issue 2 Pages 16-18.
48. 2013: Sadegh Chinikar, Nariman Shah-Hosseini, Ehsan Mostafavi, Maryam Moradi, Sahar Khakifirouz, Fereshteh Sadat Rasi Varaie, Mahboobeh Rafigh, Seyed Mojtaba Ghiasi, Tahmineh Jalali, Mohammad Mehdi Goya, Mohammad Reza Shirzadi, Mohammad Zeinali “Seroprevalence of West Nile Virus in Iran” published in *Vector-Borne and Zoonotic Diseases*, Volume 13 Issue 8 Pages 586-589, IF: 2.171.
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50. 2012: Sadegh Chinikar, Nariman Shah-Hosseini, Ehsan Mostafavi, Maryam Moradi, Sahar Khakifirouz, Fereshteh Sadat Rasi Varaie, Mahboobeh Rafigh, Seyed Mojtaba Ghiasi, Tahmineh Jalali, Mohammad Mehdi Goya, Mohammad Reza Shirzadi, Mohammad Zeinali and Anthony R. Fooks, “Preliminary study of dengue virus infection in Iran” published in *Travel Medicine and Infectious Disease*, Volume 11 Issue 3 Pages 166-169, IF: 4.450.

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53. 2016: Mehran Taher, Mohammad Saaid Dayer, Tahmineh Jalali, Sahar Khakifirouz, Zakkyeh Telmadarraiy, Mostafa Salehi-Vaziri “Molecular epidemiology of Crimean–Congo hemorrhagic fever virus in ticks collected from western Iran” Asian Biomedicine. Volume 10 Issue 6 Pages 603-607, IF: 0.209.
54. 2013: Mohsen Champour, Gholamreza Mohammadi, Sadegh Chinikar, Gholamreza Razmi, Ehsan Mostafavi, Tahmineh Jalali “Frequency of hard-ticks and the influence of age and sex of camel on ticks infestation rates in one-humped camel (*Camelus dromedarius*) population in the northeast of Iran” Sci Parasitol, Volume 14 Issue 2 Pages 89-93.
55. 2013: Iman Jampour, Gholamreza Mohammadi, Sadegh Chinikar, Gholamreza Razmi, Ehsan Mostafavi and Tahmineh Jalali “Ixodid tick and the influence of age and sex of camel on tick infestation rates in onehumped camel (*Camelus dromedarius*) population in the Northeast of Iran” An international Journal of Veterinary Sciences Volume 1 Issue 2 Pages 89-95.

### **Abstracts and Presentations:**

1. “Role of Laboratory in clinical trials of COVID-19 Vaccines” 17<sup>th</sup> National Congress of Biochemistry and 8<sup>th</sup> International Congress of Biochemistry and Molecular Biology, 23-26 Aug 2022, Tehran, Iran.
2. “Two Fatal Crimean-Congo Hemorrhagic Fever Following Infection with an AP92 Like Strain of Crimean-Congo Hemorrhagic Fever virus in Iran” 7th Congress of European Microbiologist (FEMS 2017), 9-13 July 2017, Valencia, Spain.
3. “Nosocomial and Local outbreak of Crimean Congo Hemorrhagic Fever in Iran” 7th Congress of European Microbiologist (FEMS 2017), 9-13 July 2017, Valencia, Spain.
4. “Investigate the relation between viral load and cytokines level of IL-1 $\alpha$ , IL-6, IL-10 and TNF- $\alpha$  with severity of Crimean Congo Hemorrhagic Fever (CCHF) diseases in Iranian patients” The 1st congress of infection and immunity 28-29 September 2016 Shiraz, Iran.
5. “The First Evidence of Hantavirus as an Emerging Viral Disease in Central Iran” 10th Asia-Pacific Congress of Medical Virology (APCMV 2015) 15-18 Oct 2015 Taipei, Taiwan.
6. “Clinical and Para-Clinical Aspect of Crimean-Congo Haemorrhagic Fever in Iranian Children” European Academy of Paediatrics Congress & Master Course (EAP 2015) 17-20 Sep 2015, Oslo, Norway.
7. “One Decade Investigation of Rift Valley Fever (RVF) In Iran” 6th Congress of European Microbiologists (FEMS 2015), Leipzig, Germany, 7-11 June Maastricht, The Netherlands.
8. “The effect of climate change on the epidemiology of Crimean Congo Hemorrhagic Fever infection in Iran” Impact of Environmental Changes on Infectious Diseases (IECID 2015) Meliá, Sitges (near Barcelona), Spain, 23-25 March 2015.



9. “Surveillance and genetic characterization of West Nile virus in Central Iran” 25th Annual Meeting of the Society for Virology, Bochum, Germany 18-21 March 2015.
10. “Molecular Analysis on Crimean Congo Hemorrhagic Fever and Dengue Fever in Iran” 5th Congress of European Microbiologists (FEMS 2013), Leipzig, Germany, 21-25 March 2013.
11. “Crimean Congo Haemorrhagic Fever in Iran” 5th Eurasia Congress of Infectious Diseases (EACID), Tirana, Albania, 15-18 May 2013.
12. “Molecular epidemiology of Crimean Congo Hemorrhagic Fever in Iran” 15th International Negative Strand Virus Meeting (NSV), Granada, Spain, 16-21 June 2013.
13. “Phylogenetic approach of Crimean-Congo Haemorrhagic Fever as a vector borne and zoonotic disease in Ira” International Meeting on Emerging Disease and Surveillance (IMED), Vienna, Austria, 15-18 February 2013.
14. “Epidemiology of Crimean Congo Haemorrhagic Fever in Iran”, World Congress of Internal Medicine, Chile, 11-15 November 2012.
15. “Serological evaluation of Crimean-Congo hemorrhagic fever virus by recombinant antigen against IgM and IgG”, Europeans Congress of Immunology (ECI), Glasgow, Scotland, 5-8 September 2012.
16. “Crimean Congo Haemorrhagic Fever as an infectious virus in Iran (an epidemiology approach)”, 64th Annual Meeting of the German Society of Hygiene and Microbiology, Hamburg, Germany, 30 September - 03October 2012.
17. “The role of travelers in the epidemiology of Dengue Fever in Iran” 9th Asia Pacific Travel Health Conference, Singapore, 2-5 May 2012.
18. “La fiever hemorrhagique de Crimean-Congo Durant les annees 2000-2008 en Iran”, XVe Actualities’: “Arboviruses tropical” Marseille, France, September 18 to 19, 2009.
19. “Immune Response Evaluation in Fulminant Dead Patients of Crimean – Congo Haemorrhagic Fever in Iran”, 2nd European Congress of Immunology (ECI), Berlin, Germany, September 13 to 16, 2009.
20. “Situation of Crimean-Congo Heamorrhagic Fever in Iranian Children in 2008”, ESPID 2009, Brussels, Belgium, June 9 to 13, 2009.
21. “Fulminant deaths caused by Crimean-Congo Haemorrhagic Fever in Iran”, ECCMID 2009, Helsinki, Finland, May 16 to 19, 2009.
22. “Epidemiological and Phylogenetic Studies on Crimean-Congo Haemorrhagic Fever (CCHF) in Iran”, IMED 2009, Vienna, February 13 to 16, 2009.
23. “Dengue Fever and Recent Advances on Vaccination”, 5th Iranian Congress of Virology, 1st Congress of Vaccine, Tehran / Iran, May 1-3, 2009.
24. “Iran's facility for surveillance of Dengue Fever”, 2nd International Conference on Dengue and Dengue Hemorrhagic Fever, Phuket, Thailand, October 15-17, 2008.
25. “History and Current situation of Crimean-Congo hemorrhagic Fever (CCHF) in Iran”, The 17th Iranian Congress on Infectious disease and tropical medicine. Tehran / Iran, December 20-24, 2008.
26. “Alpha viral polyarthritits and capacity of their laboratory diagnosis in Iran”, The 17th Iranian Congress on Infectious disease and tropical medicine, Tehran / Iran, December 20-24, 2008.
27. “A Survey on Crimean-Congo Hemorrhagic Fever (CCHF) in suspected Iranian children”, 5th World Congress of the World society for pediatric Infectious Disease – WSPID, Bangkok, Thailand, November 15-18, 2007.
28. “Education Effect on the decreasing in mortality rate related to Crimean-Congo Hemorrhagic Fever (CCHF) in Iran”, Canadian Association of Continuing Health Education (CACHE 2007), Quebec, Canada, October 13-15, 2007
29. “A Five-Year Laboratory Survey on Iranian Children Suspected for Crimean-Congo Haemorrhagic Fever (CCHF)”, 48th Annual Meeting of European Society for PEDIATRIC RESEARCH, Prague, Czech Republic, October 6-8, 2007.
30. “Epidemiological study of Crimean-Congo Haemorrhagic Fever (CCHF) disease in Iran by serological and molecular methods”, 13th International Congress of Immunology (ICI), Rio de Janeiro-Brazil, August 21-25, 2007

31. “Serological and Molecular Survey on Iranian Children Suspected for Crimean-Congo Haemorrhagic Fever (CCHF)”, 25th Annual Meeting of the European Society for Pediatric Infectious Diseases – Espied, Porto, Portugal, May 2 – 4, 2007
32. “6-year study on Crimean-Congo Haemorrhagic Fever (CCHF) disease in Iran”, the 4th Iranian congress of virology, 1-3 May, 2007
33. “Bioinformatics a Powerful tool for Biologists”, 2nd National Wide Conferences of Biology Studies: Biology-Society-a glance at the future; Ferdowsi University of Mashhad; Mashhad, Iran 11-12 May 2006.

## Principal and Co-Investigator in Projects:

1. Ongoing Project (Principle Investigator): Designing the multiplex Real-Time RT-PCR test to detection of Dengue, Chikungunya and Zika viruses simultaneously, Pasteur Institute of Iran.
2. Ongoing Project (Principle Investigator): Stability of humoral and cellular immunity in recipients of Soberana vaccine in a phase 3 vaccine trial in Iran, Pasteur Institute of Iran.
3. Ongoing Project (Principle Investigator): Molecular investigation and phylogenetic study of Dengue, Chikungunya and Zika viruses in sera samples of imported febrile cases to Iran during 2015-2021, Pasteur Institute of Iran.
4. 2022 (Principle Investigator): Promoting Good laboratory practice (GLP) in Public Health Molecular Laboratories, WHO
5. 2022 (Principle Investigator): Isolation of ssDNA aptamer/aptamers from DNA library against receptor binding domain (RBD) of SARS CoV-2 and Development the Rapid Diagnosis Test for COVID-19, Shahed University.
6. Ongoing Project: Evaluation of viral infections in patients with respiratory symptoms and negative result of COVID-19, Pasteur Institute of Iran.
7. Ongoing Project: Immunogenicity and safety evaluation of PastoCovac Plus as the booster dose in Iranian adults aged from 18 to 80 who received two doses of Sinofarm and Astrazeneca, Pasteur Institute of Iran.
8. Ongoing Project: Molecular detection of two CCHF genes in deceased and suspected CCHF patients, Pasteur Institute of Iran.
9. Ongoing Project: Investigation of Hanta virus infection in rodents living in Qazvin and Hamadan provinces in Iran, Pasteur Institute of Iran.
10. 2022: Efficacy and safety of a protein-based SARS-CoV-2 vaccine (SOBERANA 02 and SOBERANA Plus): a double-blind, randomized, placebo-controlled, phase 3 clinical trial in Iran, MOH of Iran.
11. 2021: Evaluation of Covaxin Baharat India vaccine in symptomatic and asymptomatic further infection and vaccine escape variants detection, Pasteur Institute of Iran
12. 2021: Long term clinical and serological assessment of confirmed COVID-19 infected individuals for finding re-infection cases during 1 year after onset of infection, Pasteur Institute of Iran.
13. 2020: Design and development of a pseudotyped-lentivirus for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), MoH.
14. 2020: Whole Genome Analysis of SARS CoV-2 in Iran, Pasteur Institute of Iran.
15. 2019: Investigation funa and life cycles of hard ticks (Ixodidae) in Mazandaran Province, and detection of CCHF virus, tick-borne encephalitis virus, and Borrelia spp. in different life stages of ticks, Pasteur Institute of Iran.
16. 2019: Study of Crimean-Congo Hemorrhagic Fever virus Kinetic in serum, whole blood, urine and saliva specimens, CDC, MoH.
17. 2019: Molecular epidemiology and distribution pattern of CCHF virus in East of Iran, Pasteur Institute of Iran.
18. 2019: Whole genome analysis of Crimean-Congo Hemorrhagic Fever virus in Iran, Pasture Institute of Iran.

19. 2018: Molecular analysis of West Nile virus infection in *Culex* spp. mosquitoes collected from Khuzestan province. Pasteur Institute of Iran.
20. 2018: Whole genome analysis of Crimean-Congo Hemorrhagic Fever virus in Iran. Pasteur Institute of Iran and Iran's National Elites Foundation.
21. 2018: Study of Crimean-Congo Hemorrhagic Fever virus Kinetic in serum, whole blood, urine and saliva specimens. Joint project between Pasteur Institute of Iran and Center of Disease Control, MOH of Iran.
22. 2016: Rapid Diagnosis Test for Crimean-Congo Hemorrhagic Fever using aptamer, Joint project: Shahed University, Pasteur Institute of Iran
23. 2017: Serological analysis of the presence of IgG antibody against West Nile infection in human habitant in Khuzestan province, Pasteur Institute of Iran.
24. 2016: Evaluation of Crimean-Congo Hemorrhagic Fever (CCHF) infection in Ixodidae ticks in ruminant from Rafsanjan by RT\_PCR in Rafsanjan County in 2016. Joint project between Pasteur Institute of Iran and Rafsanjan University of Medical Science.
25. 2015: Serological and Molecular analysis of serum from patients with symptoms of Hantavirus infection IRAN. Pasteur Institute of Iran.
26. 2013: Seroepidemiological survey on West Nile disease in human and animal population from northern and central parts of Iran. Pasteur Institute of Iran.
27. 2012: Molecular and Seroepidemiology Survey of West Nile Virus in Azarbayjan-e-sharghi & Azarbayjan-e-gharbi provinces. Joint project between Pasteur Institute of Iran and Research Center of Infectious & Tropical Diseases Tabriz University of Medical Science.
28. 2012: Seroepidemiological survey of Crimean Congo hemorrhagic fever in Ixodidae and Argasidae Ticks of Khoram Abad region, Lorestan province of Iran. Joint project: Pasteur Institute of Iran and Lorestan University of Medical science.
29. 2012: Seroepidemiological survey of Crimean Congo hemorrhagic fever in local and imported Cattle in South East of Iran, Pasteur Institute of Iran.
30. 2011: Seroepidemiological survey of Crimean Congo Hemorrhagic Fever (CCHF) in sheep of Mazandaran Province. Pasteur Institute of Iran.
31. 2010: Production of a new ELISA kit based on the use of Dried Blood Spots Sampling for Crimean – Congo Hemorrhagic Fever Screening in “high-risk” regions. Joint Project: Pasteur Institute of Iran and WHO grant.
32. 2010: Sero-Pervalence Survey of West Nile Fever Virus (WNV) in Mashhad Population. Joint Project Pasteur Institute of Iran and Mashhad University of Medical Sciences.
33. 2010: Serological and Molecular survey on Dengue Fever in probable serum samples which are sent to laboratory of Arboviruses and Viral Hemorrhagic Fevers. Joint project Pasteur Institute of Iran and Center of Disease Control, MOH of Iran.
34. 2010: Seroepidemiological survey on West Nile disease in Human and Animal population from northern and central parts of Iran. Joint project: Pasteur Institute of Iran and Center of Disease Control, MOH of Iran.
35. 2009: Diagnosis of Crimean-Congo hemorrhagic Fever (CCHF) virus in ticks of animal husbandries in Varammin district of Tehran. Pasteur Institute of Iran.
36. 2009: Molecular study of ticks infected to CCHF virus in Zahedan and Zabol township sheep using RT-PCR. Joint project: Pasteur Institute of Iran and Zahedan University of Medical Sciences.
37. 2009: Rapid diagnosis of Crimean-Congo Hemorrhagic Fever Virus Genome with Real-Time PCR Technique, Pasteur Institute of Iran. Pasteur Institute of Iran.
38. 2009: Cloning, Expression, and Evaluation of Crimean-Congo Hemorrhagic Fever Virus Glycoprotein (M segment of Genome) in both Semliki Forest Virus and Baculovirus Gene Expression System. Pasteur Institute of Iran.

39. 2008: Phylogenetic Study of Crimean-Congo Hemorrhagic Fever (CCHF) Virus genome Extracted from Ticks Existing in Isfahan Province, Central Region of Iran. Joint Project: World Health Organization (WHO) Regional Office for the Eastern Mediterranean EMRO/TDR Grant and Pasteur Institute of Iran.
40. 2007: Seroepidemiology of Crimean-Congo Hemorrhagic Fever (CCHF) in Domestic Animals (Bovine & Caprine) and High Risk Human Groups and Genetic Analysis of the Probable Ticks Associated Virus Genome in Isfahan Province. Pasteur Institute of Iran.

### Conferences Attendance:

The 17<sup>th</sup> National Congress of Biochemistry and 8<sup>th</sup> International Congress of Biochemistry and Molecular Biology, 23-26 Aug 2022, Tehran, Iran.  
 The 7<sup>th</sup> Congress of European Microbiologists (FEMS 2017), Valencia, Spain, 21-25 June 2017.  
 The 1<sup>st</sup> Congress of infection and immunity, Shiraz, Iran, 28-29 September 2016.  
 The 5<sup>th</sup> Congress of European Microbiologists (FEMS 2013), Leipzig, Germany, 21-25 March 2013.  
 The Sub-Regional Meeting of WHO on Viral Haemorrhagic Fevers (VHF), 2011 November 27-30, Teheran, Iran  
 The 1<sup>st</sup> and 2<sup>nd</sup> Biotechnology conferences, Tehran University, 2005&7, Tehran, Iran  
 The 9<sup>th</sup> Iranian Genetics Society (IGS) congress, 2007 May 20-22, Tehran, Iran  
 The 1<sup>st</sup> Iran Nanobiotechnology Forum conference, 2006 December 15, Tehran, Iran  
 The 2<sup>nd</sup> National Wide Conferences of Biology Studies: Biology, Society, a glance at the future, Ferdowsi University of Mashhad, 2006 May 11-12, Mashhad, Iran

### References:

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