Curriculum Vitae

***First Name*: Vahid**

***Last Name*: Molla kazemiha**

***Nationality*: Iranian**

***Place of birth:* Tehran**

***Marital Status*: Married**

***Position1*: Laboratory expert in National Reference Laboratory for Escherichia coli of Molecular Biology Department (2024-2026)**

***Position2*: Master of Laboratory and Quarantine Laboratory Director for Cell Culture in National Cell Bank of Iran Department (2004-2024)**

***JOB*: Official Employee of Institute Pasteur of Iran (2004-2026)**

2000-2004: Laboratory Director of Opium & Drugs and Director Department of Microbiology, Biochemistry, Hematology and Immunology in Robat-Karim Health Network (Iran University of Medical Sciences)

***Address*:**

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Education:

MS (Master of Science) in Microbiology Course

2010-2012: Islamic Azad University, Science and Research Branch, Tehran, Iran

MS (Master of Science) Thesis:

Comparison of different methods for detection of mycoplasma contamination, including microbial culture, DAPI Staining, mycoalert® mycoplasma detection

kit, PCR and Real-time PCR in human and animal cell lines stored in National Cell Bank of Pasteur Institute of Iran

BS (Bachelor of Science) in Microbiology Course:

1993-1998: Islamic Azad University, Lahijan Branch, Lahijan, Iran

Technician in Radiology Course:

1990-1992: Mazandaran University of Medical Sciences, Mazandaran, Iran

Research and working Experiences:

2024-2026: Laboratory expert in National Reference Laboratory for Escherichia coli of Molecular Biology Department

2004-2024: Master of Laboratory and Quarantine Laboratory Director for Cell Culture in National Cell Bank of Iran Department

- Detection and Identification mycoplasma contamination in cell cultures by different methods of Microbial Culture, DAPI Staining, Mycoalert® mycoplasma detection kit, PCR, PCR-ELISA, ELISA, Mycoplasma testing with MycoTect Kit and Real-time PCR in human and animal cell lines stored in National Cell Bank of Pasteur Institute of Iran

- Treatment mycoplasma in cell cultures by different methods of Physical, Chemical, Immunological and chemotherapeutics assays

- **2013-2019:** Biosafety Officer's Department of Cell Bank of Iran for six years

2000-2004: Laboratory Director of Opium & Drugs and Director Department of Microbiology, Biochemistry, Hematology and Immunology in Robat-Karim Health Network (Iran University of Medical Sciences)

2000-2004: Laboratory expert in Medical diagnostic laboratory of Shafa for 4 years

2007-2008: Designing and writing a project proposal with as Comparison of therapeutic effect of different antibiotics on mycoplasma infection of human and animal cell lines deposited in National Cell Bank of Iran

2007: Offer to buy luminometer device for rapid detection of mycoplasma contamination in cell cultures and cell lines

2008: Offer to buy ampoule sealer machine and replacement Glass Ampoules with Cryo Tube vials

Workshop Organized* and *Teaching Experiences:

- Workshop Introduction to principles and techniques of animal cell culture and Good Cell Culture Practice 2010, 2011, 2012, 2013, 2014,2015, 2016,2017,2018,2019, 2020,2021,2021, 2022, 2023, 2024, 2025.
- Training MS and PhD students with Basic Cell Culture Techniques and Detection, Identification and Treatment Mycoplasma Contamination in Cell Cultures 2003-2025

Scientific Experience and Training Courses

- Sufficient mastery of English Language (FCE 3,4) and Computer Courses (ICDL 1,2, Advanced Windows, Hard ware and so on, et cetera) 2000-2026.
- Various training courses in the fields of Microbiology, Hematology, Virology, Mycology, Parasitology, Biochemistry, Immunology, Serology and Bacteriology and spending various courses in Molecular Diagnostics PCR, PCR-ELISA, Real time PCR, ELISA, RT-PCR, Flow Cytometry, Chromatography, HPLC, TLC and so on, et cetera and Participation in Scientific Congresses and Seminars, Work Shops and Courses of education and scientific research (with over 2600 hours of training time) 2000-2026.

Publications:

1: Molla Kazemiha V, Azari S, Habibi-Anbouhi M, Amanzadeh A, Bonakdar S, Shokrgozar MA, Mahdian R. Effectiveness of Plasmocure™ in Elimination of Mycoplasma Species from Contaminated Cell Cultures: A Comparative Study versus other Antibiotics. Cell J. 2019 Jul; 21(2):143-149. doi: 10.22074/cellj.2019.5996. Epub 2019 Feb 20. PubMed PMID: 30825287; PubMed Central PMCID: PMC6397598.

2: Motasadizadeh H, Fatahi Y, Molla-Kazemiha V, Amanzadeh A, Farokhi M. New drug delivery systems based on polymeric silk fibroin. New Cellular and Molecular Biotechnology Journal. 2019; 9 (34):9-22.

3: Amanzadeh A, Molla-kazemiha V, Samani S, Habibi-Anbouhi M, Azadmanesh K, Abolhassani M, Shokrgozar MA.New synergistic combinations of differentiation-inducing agents in the treatment of acute promyelocytic leukemia cells. Leukemia Research.2018 Jan 17.

4: Amanzadeh A, Molla-kazemiha V, Habibi-Anbouhi M, Azadmanesh K, Mousavi SA, Abolhassani M, et al. Induction of programmed cell death by "Retinoic acid, Formylindolo (3, 2-b) carbazole"-enhanced monoclonal

antibody against CD44 in acute promyelocytic leukemia cells patients.New Cellular and Molecular Biotechnology Journal. 2018; 8(31):9-19.

5: Amanzadeh A, Heidarnejad F, Abdollahpour-Alitappeh M, Molla Kazemiha V, Yari S, Tasbiti AR, Anbouhi MH, Abolhassani M, Shokrgozar MA. Development of high-affinity monoclonal antibody using CD44 overexpressed cells as a candidate for targeted immunotherapy and diagnosis of acute myeloid leukemia. Hum Antibodies. 2017 Feb 25.doi: 10.3233/HAB-170315. [Epub ahead of print] PubMed PMID: 28269763.

6: Qasemi M, Behdani M, Shokrgozar MA, Molla-Kazemiha V, Mohseni-Kuchesfahani H, Habibi-Anbouhi M. Construction and expression of an anti-VEGFR2 Nanobody-Fc fusionbody in NS0 host cell Protein Expr Purif.2016 Jul;123: 19-25. doi:10.1016/j.pep.2016.03.004. PubMed PMID: 26996993.

7: Molla Kazemiha V, Bonakdar S, Amanzadeh A, Azari S, Memarnejadian A, Shahbazi S, Shokrgozar MA, Mahdian R. Real-time PCR assay is superior to other methods forthe detection of mycoplasma contamination in the cell lines of the National Cell Bank of Iran.Cytotechnology.2015 Mar 6. [Epub ahead of print] PubMed PMID: 25742733.

8: Molla Kazemiha V, Amanzadeh A, Memarnejadian A, Azari S, Shokrgozar MA, Mahdian R, Bonakdar S. Sensitivity of biochemical test in comparison with othermethods for the detection of mycoplasma contamination in human and animal celllines stored in the National Cell Bank of Iran. Cytotechnology 2014 Feb 4. [Epubahead of print] PubMed PMID: 24493067.

9: Molla Kazemiha V, Azari S, Amanzadeh A, Bonakdar S, Shojaei Moghadam M, HabibiAnbouhi M, Maleki S, Ahmadi N, Mousavi T, Shokrgozar MA. Efficiency of Plasmocin™ on various mammalian cell lines infected by mollicutes in comparison withcommonly used antibiotics in cell culture: a local experience. Cytotechnology.2011 Dec; 63(6):609-20. doi: 10.1007/s10616-011-9378-1. Epub 2011 Aug 25. PubMedPMID: 21866311; PubMed Central PMCID: PMC3217076.

10: Molla Kazemiha V, Shokrgozar MA, Arabestani MR, Shojaei Moghadam M, Azari S, Maleki S, Amanzadeh A, Jeddi Tehrani M, Shokri F. PCR-based detection anderadication of mycoplasmal infections from various mammalian cell lines: a local experience.Cytotechnology. 2009 Dec; 61(3): 117-24.doi:10.1007/s10616-010-9252-6. Epub 2010 Feb 6. PubMed PMID: 20135349; PubMed Central PMCID: PMC2825298.

11: Molla Kazemiha, V., Mahdian, R., Memarnejadian, A., Shokrgozar, M. A., Mohajerani, H. R., Amanzadeh, A., & Azari, S. (2013).Comparison of different methods (microbial culture, enzymatic and molecular) for the detection of mycoplasma contamination in human and animal cell lines, preserved in a National Cell Bank of Pasteur Institute of Iran.New Cellular and Molecular Biotechnology Journal. 2013; 3(9), 37-59.

12: Yousefi, M., Safari, M., Torbati, M. B., Molla Kazemiha, V., Sanati, H., & Amanzadeh, A. (2012). New mononuclear diorganotin (IV) dithiocarboxylates: synthesis, characterization and study of their cytotoxic activities.Applied Organometallic Chemistry, 26(8), 438.

13: Detection and frequency of mutation in the rpoB gene of Mycobacterium tuberculosis isolates from patients with active Pulmonary Tuberculosis in different regions of Tehran City. S. Zakerbostanabad, Mehrdad Hashemi3, Mohammad Karim Rahimi, Fahimeh Ostadzadeh, Mohammad Bossak, Sajjad Nouri, Shahin Pourazar, Mostafa Ghalami, Mehdi shekarabei,Hassan Hoseinaei, Esmaeil Jabbarzadeh, Seyed Ali Nojoumi, Vahid Molla Kazemiha, Zahra Tayebei,Mozhgan Masoumi, Veronica Slizen, Evgeni Romanovich Sagalchyk and Leonid Petrovich Titov. RIF's journal, 1(3): 160-165. 2010.

14: Study of Genetic Evolution in Mycobacterium tuberculosis isolates from Patients with Active Pulmonary Tuberculosis in the Iran and Belarus. S. Zaker Bostanabad, Mehdi Shekarabei, Seyed Ali Nojoumi, Esmaeil Jabbarzadeh, Mostafa Ghalami, Vahid Molla Kazemiha, Mohammad Karim Rahimi, Leonid Petrovich Titov.The Open Microbiology Journal, 4: 132-142. 2010.

15: Multiple-Mutations in the katG encoding catalase proxidase in Isoniazid resistant of Mycobacterium Tuberculosis Isolates Correlate with High-level of Resistance in Patients with Active Pulmonary Tuberculosis of Iran. S. Zaker Bostanabad, Mehdi Shekarabei, Seyed Ali Nojoumi, Esmaeil Jabbarzadeh, Mostafa Ghalami, Vahid Molla Kazemiha, Mohammad Karim Rahimi, Leonid Petrovich Titov. Tuberculosis and Thorax, In press, 2011.

16: Gholamnejad R, Khoramizadeh M, Razavi A, Salehinodeh A, Amiri M, Molla kazemiha V Et al. Effects of 4- aminopyridine on inflammatory reactions in experimental models. payavard.2009; 2(4):17-26.

17: Mirshafiey, A., R. Gholamnezhad-Jafari, M. M. Amiri, R. Sedaghat, A. Razavi, M. R. Khorramizadeh, P. Ekhtiari, and V. Molla Kazemiha "Anti-inflammatory property and inhibitory effect of 4-aminopyridine in antibody production in the experimental modal of immune complex-in-duced inflammation."Journalof Chinese Clinical Medicine 5, no.7 (2010).

18: Bostanabad SZ, Shekarabei M, Nojoumi SA, Jabbarzadeh E, Ghalami M, Molla Kazemiha V, Beigdeli MG, Karim Rahimi M, Bossak M, Sagalchyk ER, Konstantina Surkova L, Mikhaelovna Zalutska A, Slizen V, Petrovich Titov L. Study of Genetic Evolutionin Mycobacterium Tuberculosis Isolates from Patients with Active PulmonaryTuberculosis in the Iran and Belarus. Open Microbiol J. 2011;5: 32-42.doi:10.2174/1874285801105010032. Epub (2011) Jul 4. PubMed PMID: 21760866; PubMedCentral PMCID: PMC3134958.

19: Zaker Bostanabad, S., Molla Kazemiha, V., Rahimi, M. K., Shahidi, S. H., Pourazar, S. H., Massomi, M., ... & Titov, L. P. (2009). Multiple-mutations in the katG gene of Mycobacterium tuberculosis isolates correlate with high-level of resistance to isoniazid in patients with active pulmonary tuberculosis from Belarus. Iranian Journal of Microbiology, 1(1), 13-21.

20: Zaker Bostanabad S, Jabbarzadeh E, Pourazar S, Ghalami M, Molla Kazemiha V, Characterization of mutations in the rpoB gene of Mycobacterium tuberculosis isolated from Tehran City.New Cellular and Molecular Biotechnology Journal. 2011; 1 (2):17-25.