

In the name of God
Curriculum Vitae (CV)

Personal Information:

Name	Surname	Date of Birth	Place of Birth	Nationality
Neda	Baseri	1985/12/08	Tehran, Iran	Iranian

Contact information:

Address (work)	Phone	Email
Department of Epidemiology and Biostatistics, Research Center for Emerging and Reemerging infectious diseases, Pasteur Institute of Iran, No. 69, Pasteur Ave, Tehran, Iran	+982164112401	nbaseri7@gmail.com

Educational Background (last one first):

Degree	Field of Specialization	Name of Institution	City	Country	Date
Ph.D	Medical Bacteriology	Tarbiat Modares University, Faculty of Medicine	Tehran	Iran	Sep 2015-Feb 2021
MSc	Medical Microbiology	Shahid Beheshti University of Medical Sciences, School of Medicine	Tehran	Iran	Sep 2011-Sep 2014
BSc	Medical Laboratory Sciences	Qazvin University of Medical Sciences,	Qazvin	Iran	Feb 2009-Feb 2011
		Islamic Azad University, Tehran Medical branch	Tehran	Iran	Sep 2005-Sep 2007

International Research Experience:

Position Title	Name of Institution	Country	Date
Visiting researcher	University of Catania, Department of Biomedical and Biotechnological Sciences (BIOMETEC) - MMARLab	Italy	Oct 2019-Jun 2020

Thesis and dissertation:

Subject	Supervisor
Master Thesis: Survey of <i>Mycoplasma genitalium</i> , <i>Ureaplasma urealyticum</i> and <i>Chlamydia trachomatis</i> incidence in paraffin blocks of patients with Prostate Cancer refer to Shohada hospital using Nested PCR	Prof. Gita Eslami
Ph.D. Dissertation: The effect of Chlorhexidine on gene expression of <i>vraTSR</i> , <i>graSR</i> and <i>walkR</i> two component systems in <i>S. aureus</i> and the emergence of VISA and VRSA phenotypes	Prof. Shahin Najjar-Peerayeh

English language Skill:

Graduated from	Level
Iran Language Institute (Iran–America Society)	High Intermediate

Publications (books):

Title	Type of Work	Publisher	Language	Date
Microbiology for the nurse	Compilation	Heydari	Persian	2017

Publications (papers):

- Baseri, N.**, Najjar-Peerayeh, Sh., Bakhshi, B., Campanile, F. Phenotypic and genotypic changes of *Staphylococcus aureus* in the presence of the inappropriate concentration of chlorhexidine gluconate. BMC microbiology. **2022**; 22 (1), 1-9. <https://doi.org/10.1186/s12866-022-02522-0>.
- Sayyahfar, Sh., Latifian, M., Esmaeili, P., **Baseri, N.**, et al. *Tropheryma whipplei* in the stool samples of children with acute diarrhea: a study from Tehran, Iran. BMC infectious diseases. **2022**; 22 (1), 1-5. <https://doi.org/10.1186/s12879-022-07198-5>.
- Rahravani, M., Moravedji, M., Mostafavi, E., **Baseri, N.**, et al. Molecular detection of *Francisella tularensis* in small ruminants and their ticks in western Iran. Comparative Immunology, Microbiology and Infectious Diseases. **2022**; 83, 101779. <https://doi.org/10.1016/j.cimid.2022.101779>.
- Baseri, N.**, Najjar-Peerayeh, Sh., Bakhshi, B. Investigating the effect of an identified mutation within a critical site of PAS domain of Walk protein in a vancomycin-intermediate resistant *Staphylococcus aureus* by computational approaches. BMC microbiology. **2022**; 21 (1), 1-11. <https://doi.org/10.1186/s12866-021-02298-9>.
- Rahravani, M., Moravedji, M., Mostafavi, E., Mohammadi, M., Seyfi, H., **Baseri, N.**, et al. The epidemiological survey of *Coxiella burnetii* in small ruminants and their ticks in western Iran. BMC Vet Res 18, 292 (2022). <https://doi.org/10.1186/s12917-022-03396-0>

6. **N Baseri**, G Eslami, Z Ghalavand, H Zham, E Azargashb. Association between *Chlamydia trachomatis* infection and prostate cancer: a case-control study. *Infection Epidemiology and Microbiology*. **2021**; 7 (4), 319-326. <https://dx.doi.org/10.52547/iem.7.4.319>.
7. **N Baseri**, A Meysamie, F Campanile, AA Hamidieh, A Jafarian. Bacterial contamination of bone allografts in the tissue banks: a systematic review and meta-analysis. *Journal of Hospital Infection*. **2021**; 123, 156-173. <https://doi.org/10.1016/j.jhin.2021.10.020>.
8. **N Baseri**, S Najar-Peerayeh, B Bakhshi. The effect of subinhibitory concentration of chlorhexidine on the evolution of vancomycin-intermediate *Staphylococcus aureus* and the induction of mutations in *walKR* and *vraTSR* systems. *Infection, Genetics and Evolution*. **2021**; 87, 104628. <https://doi.org/10.1016/j.meegid.2020.104628>.
9. **N Baseri**, S Najar-Peerayeh, FB Amiri. Prevalence of vancomycin-intermediate *Staphylococcus aureus* among clinical isolates in Iran: A systematic review and meta-analysis. *Journal of global antimicrobial resistance*. **2018**; 15, 178-187. <https://doi.org/10.1016/j.jgar.2018.06.018>.
10. G Eslami, H Goudarzi, **N Baseri**, Z Ghalavand, A Taherpour, H Zhaam, Roghayeh Samadi, Eznolah Azargashb. The prevalence of *Ureaplasma urealyticum* and *Mycoplasma genitalium* in patients with prostate cancer in Shohada Hospital in Tehran, Iran. *Novelty in Biomedicine*. **2015**; 3 (2), 73-78. <https://dx.doi.org/10.22037/nbm.v3i2.6641>.
11. R Samadi, G Eslami, **N Baseri**, R Zeynali. Survey the prevalence of TEM genes and antimicrobial resistance among the *Escherichia coli* and *Klebsiella pneumonia* in patients with nosocomial infections in Shahid Beheshti university hospitals in 2011. *New Cellular and Molecular Biotechnology Journal*. **2014**; 4 (16), 1-8. <http://ncmbjpiu.ir/article-1-343-en.html>.
12. G Eslami, R Samadi, R Taherpanah, A Taherpor, **N Baseri**. Detection Of Acta And Inlb Genes In *Listeria Monocytogenes* Isolated From Women With Spontaneous Abortions. *Novelty in Biomedicine*. **2014**; 2 (1), 18-21. <https://www.sid.ir/en/Journal/ViewPaper.aspx?ID=408813>.
13. G Eslami, F Khoshro, S Taheri, R Samad, **N Baseri**, E Azargashb. Prevalence of bacterial agents in patients with conjunctivitis infection in Farabi hospital, Tehran. *Research in Medicine*. **2013**; 36 (4), 189-192. <http://pejouhesh.sbm.ac.ir/article-1-1092-en.html>.
14. G Eslam, S Taheri, F Naalchi, N Baseri, R Samadi, E Azargashb. Study of bacteria causing skin infections and antibiotic resistance in patients referred to Shohada and Loghman hospitals. *Research in Medicine*. **2013**; 36 (4), 205-210. <http://pejouhesh.sbm.ac.ir/article-1-1110-en.html>.
15. G Eslami, S Taheri, **N Baseri**, SA Montazeri, A Shakeri, R Samadi, et al. Prevalence of *Helicobacter pylori* and Determination of Antibiotic Resistance in Patients with Gastritis Referred to Shahid Beheshti University of Medical Sciences Hospitals in Tehran Between 2010 and 2011. *Archives of Clinical Infectious Diseases*. **2012**; 8 (1), 18-22. <https://dx.doi.org/10.5812/archcid.16031>.

Participation and poster presentation in International and National Conferences:

Title of the Article	Title of Conference	Place and Date
Poster: Synergistic activity of ceftobiprole against clinical <i>Enterococcus faecalis</i> isolates	48 th National Virtual Congress SIM (Societa Italiana Microbiologia)	Italy, Catania 18 November 2020
Certificate of participation	ESCMID Conference on Coronavirus Disease (ECCVID)	Live online September 23- 25, 2020
Poster: The Prevalence of <i>Ureaplasma urealyticum</i> and <i>Mycoplasma genitalium</i> in patients with Prostate Cancer in Shohada Hospital in Tehran, Iran	4th Congress on Novel & Innovative Laboratory Technologies	Iran, Tehran October 27, 2016
Certificate of participation	3rd Symposium of Medical Laboratory Technologists & Students	Iran, Tehran 20 March 2016
Certificate of participation	Conference on Crimean-Congo Hemorrhagic Fever	Iran, Tehran 27 July 2015
Poster: Detection of Chlamydia trachomatis in prostate cancer tissues by Nested PCR method	The 16th International and Iranian Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	Iran, Tehran 25-27 August 2015
Poster: Prevalence and antimicrobial resistance pattern of <i>Staphylococcus aureus</i> strains isolated from patients with skin infections referred to Shahid Beheshti University of Medical Sciences Hospitals in Tehran Between 2010 and 2011	The 2nd Iranian Congress of Medical Bacteriology; (Shahid Beheshti University of Medical Sciences, Tehran)	Iran, Tehran 2-4 October 2013
Poster: The study of bacteria causing skin infections and antibiotic resistance in patients referred to Shohada and Loghman hospitals	14th International Iranian Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	Iran, Tehran 28-30 August 2013
Poster: Prevalence of Helicobacter pylori and Determination of Antibiotic Resistance in Patients with Gastritis Referred to Shahid Beheshti University of Medical Sciences Hospitals in Tehran Between 2010 and 2011	The 6th Iranian Congress of Clinical Microbiology & The First International Congress of Clinical Microbiology	Iran, Mashhad 2-4 October, 2012
Poster: Survey the prevalence bacteria agents in patients with conjunctivitis infection in Farabi hospital, Tehran	The 13th Iranian and The 2nd International Congress of Microbiology	Iran, Ardabil 14-16 July 2012
Poster: The prevalence of enteric bacteria in HIV-positive patients in different parts of the world: meta-analysis.	The Fourth National Congress of HIV/AIDS; Diseases & Tropical Medicine Research Center	Iran, Tehran 27-29 November 2012

Teaching Experiences:

Position Title	Course Title	Name of Institution	Country, City	Date
Tuition Teacher	General Microbiology Laboratory	Islamic Azad University, Tehran Medical branch, School of Paramedics	Iran, Tehran	2017
Teacher Assistant	Practical antimicrobial agents and drug resistance mechanisms	Tarbiat Modares University, Faculty of Medicine, Department of Medical Bacteriology	Iran, Tehran	2016, 2017, 2018, 2019, 2022

Selected to receive a grant from aboard Society:

Title	Presented by	Country	Date
Selected to receive a grant to participate in an ESCMID Postgraduate Education Course: Antimicrobial Stewardship: Implementing the Change (San Lorenzo de El Escorial, Spain)	ESCMID	Switzerland	2018

Finished Research projects:

Title Project	Supported by	Country	Date
Ceftobiprole and enterococcal strains with diverse beta- lactam resistance gene content	University of Catania	Italy	2019
The global prevalence of bacterial contamination in bone allografts: a systematic review and meta-analysis	Tehran University of Medical sciences	Iran	2021
Prevalence of <i>prfA</i> , <i>actA</i> and <i>inlB</i> genes in <i>Listeria monocytogenes</i> among infertile women referred to the Medical center of the University using Culture and PCR Methods	Men's Health and Reproductive Health Research Center, Shahid Beheshti University of Medical sciences	Iran	2013
Isolation of <i>Mycoplasma hominis</i> and <i>Mycoplasma genitalium</i> from paraffin blocks of prostate Cancer by PCR method	Cancer Research Center, Shahid Beheshti University of Medical sciences	Iran	2013
Isolation of <i>Ureaplasma urealyticum</i> from paraffin blocks of prostate cancer by PCR method	Cancer Research Center, Shahid Beheshti University of Medical sciences	Iran	2013

Activities as a Reviewer in journals:

Name of Journal	ISSN	Date
Infection Epidemiology and Microbiology	pISSN: 2588-4107 eISSN: 2588-4115	2019- continues

Membership to Scientific Associations:

Name of Association	Country	Date
The Central Council of the Medical Bacteriology Association of Tarbiat Modares University	Iran	2017- 2021
Young Scientist (ESCMID young Scientist Member)	Switzerland	2017-2018
Iranian society of Microbiology	Iran	2013- continues

Participation in Workshops:

Title	Presented by	Date
Recombinant Protein Expression and Purification: Microbial System	Nexintek Education Inc. Canada	2022
Applied molecular cloning techniques: from design to execution	Nexintek Education Inc. Canada	2021
Real-time PCR (qPCR & qRT-PCR): Design, implementation, data analysis	Nexintek Education Inc. Canada	2021
Working with the Benchling platform	Nexintek Education Inc. Canada	2021
Health, Safety and Environment	Tarbiat Modares University, Iran	2016
Publication ethics	Tarbiat Modares University, Iran	2015
Primer Designing	Tarbiat Modares University, Iran	2015
Real-time PCR	Tarbiat Modares University, Iran	2015

Job experiences and Internship courses:

Name of Institute	Type of Work	Country, City	Date
Pasteur Institute of Iran, Department of Epidemiology and Biostatistics, Pasteur Institute of Iran, Research Centre for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran, Tehran, Iran. National Reference Laboratory for Plague, Tularemia and Q Fever, Research Centre for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran, Akanlu, KabudarAhang, Hamadan, Iran.	Job	Iran, Tehran	2021- continues
Aban Medical Diagnosis Laboratory	Job	Iran, Tehran	2008-2009
Shahid Fayaz-Bakhsh Hospital (Department of Medical Diagnosis Laboratory)	Internship course	Iran, Tehran	2007 (4 month)
Booali Sina Teaching Hospital, Qods Teaching Hospital, Kowsar Teaching Hospital (Department of Medical Diagnosis Laboratory), Qazvin Blood Transfusion Organization	Internship course	Iran, Qazvin	2010 (One month in the each center)

Emam Sajjad Hospital (Department of Medical Diagnosis Laboratory)	Internship course	Iran, Tehran	2013 (One month)
Pasteur Institute of Iran	Internship course	Iran, Tehran	2016 (One month)

Skills and laboratory experiences:

Title	Methods
Molecular biology techniques	Complete skills in DNA and RNA extractions, conventional PCR, Nested-PCR, Multiplex-PCR, qRT-PCR, electrophoresis, pulse field gel electrophoresis, DNA sequencing, and etc. Familiarity with cell culture, LPS extraction, Western blot, Northern blot, SDS-page, cloning and etc.
Bioinformatics and computational methods	Complete skills in analyzing the effect of mutations at the protein level using computational methods (DUET, mCSM, PremPS, SIFT, and etc.), primer design software (Allel ID, CLC, and etc.), REST software, Chromas software, EndNote software, Microsoft Office (Word, Excel, Power Point),... Familiarity with SPSS statistical software
Immunological methods	Complete skills in ELISA, IFA, and a variety of serological tests to diagnose diseases. Familiarity with radioimmunoassay method, HLA-typing, isolation of blood cells and etc.
Phenotypic methods	Complete skills in a variety of phenotypic tests to detect bacteria, antibiotic resistance (MIC, MBC, ESBL detection , ...) and other phenotypic methods such as biofilm formation, autolysis and etc.

Research Interests:

Epidemiological survey of bacteria
Mechanisms of antibiotic resistance in bacteria
Microbial Genetics
Molecular modeling, Bioinformatics, and biotechnological aspects of Bacteria