

“In the name of God”

Curriculum Vitae (CV)

Date set: January 2025



Personal Information

Name	Surname	Date of Birth	Place of Birth	Nationality	Marital status	MC.No.
Neda	Baseri	December 8, 1985	Tehran, Iran	Iranian	Married	L-4955

Contact information

Office address	Office Telephone Contact	PO Box	Email
Tarbiat Modares University Faculty of Medicine Medical Building Number One Ground Floor Department of Bacteriology Paul Nasr Street, Jalal Al-e Ahmad Avenue Tehran, Iran	+982182883870	111-14115	N.baseri@modares.ac.ir nbaseri7@gmail.com

Citation databases

Scopus	Scholar	Scientometric system
https://www.scopus.com/authid/detail.uri?authorId=56119986800	https://scholar.google.com/citations?user=Naas9y4AAAAJ&hl=en	https://isid.research.ac.ir/Neda_Baseri

Current Official Position

Title	Name of Institute	Start date
Assistant Professor	Department of Bacteriology, Faculty of Medicine, Tarbiat Modares University	February 4, 2024

Educational Background (last one first)

Degree	Field of Study	Name of Institution	City	Country	Date
PhD	Medical Bacteriology	Tarbiat Modares University, Faculty of Medicine, Department of Medical Bacteriology	Tehran	Iran	Sep. 2015 – Feb. 2021
MSc	Medical Microbiology	Shahid Beheshti University of Medical Sciences, School of Medicine, Department of Medical Microbiology	Tehran	Iran	Sep. 2011 – Sep. 2014
BSc	Medical Laboratory Sciences	1.Qazvin University of Medical Sciences, Faculty of Paramedicine (BSc)	Qazvin	Iran	Feb. 2009 – Feb. 2011
		2.Islamic Azad University, Tehran Medical branch, Faculty of Paramedicine (Associate Degree)	Tehran	Iran	Sep. 2005 – Sep. 2007

International Research Experience during PhD

Position Title	Institution	Country	Duration
Visiting researcher	Department of Biomedical and Biotechnological Sciences (BIOMETEC), Medical Molecular Microbiology and Antibiotic Resistance Laboratory (MMARLab), University of Catania	Italy	Oct. 2019 – Jun. 2020

MSc thesis and PhD dissertation:

Subject	Supervisor
Master Thesis: Surveying the prevalence of <i>Mycoplasma genitalium</i> , <i>Ureaplasma urealyticum</i> and <i>Chlamydia trachomatis</i> incidence in patients with Prostate Cancer 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 Najar-Peerayeh

Teaching Experience:

No.	Course Name	Role	Level of Students Taught	Institution	Country, City	Academic Year
1	Antimicrobial Agents and Mechanisms of Resistance Development	Assistant Professor	MSc, Ph.D and International Ph.D	Tarbiat Modares, Faculty of Medicine, Department of Medical Bacteriology	Iran, Tehran	2024
2	Advanced Genetics of Bacteria	Assistant Professor	PhD and International PhD	Tarbiat Modares, Faculty of Medicine, Department of Medical Bacteriology	Iran, Tehran	2024
3	Structure and physiology of microorganisms	Tuition Teacher and Assistant Professor	MSc and International MSc	Tarbiat Modares, Faculty of Medicine, Department of Medical Bacteriology	Iran, Tehran	2024
4	General microbiology laboratory	Tuition Teacher (part-time)	BSc	Islamic Azad University, Tehran Medical branch	Iran, Tehran	2017
5	1. Practical course of antimicrobial agents and drug resistance mechanisms 2. Practical course of Bacteria Genetic	Teacher Assistant (part-time)	MSc and PhD	Tarbiat Modares University, Faculty of Medicine, Department of Medical Bacteriology	Iran, Tehran	2016, 2017, 2018, 2019, 2022, 2023 (continues)
6	Internship	Teacher Assistant (part-time)	PhD	Pasteur Institute of Iran	Iran, Tehran	2022

Academic English language Skill:

Certificate	Graduation Level
Iran Language Institute (Iran–America Society)	High Intermediate 2 (Level 14)

Publications (books):

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

Publications (papers in Journals):

1. Rezaie N, Latifian M, Ghasemi A, Mahmoudi A, **Baseri N**, Omid AH, Esmaeili P, Esmaeili S. Assessing the diversity of zoonotic bacterial agents in rodents and small mammals in Iran. *European Journal of Public Health* **2025**; .35 (Supplement_1), i41–i47; <https://doi.org/10.1093/eurpub/ckae132>
2. Mostafavi E*, Mohammadpour R, Esmaeili S, Mahmoudi A, Salehi-Vaziri M, Ghasemi A, Rohani M, Mohammadi A, Eybpoosh S, **Baseri N**, Denys Ch, Maurin M, Nicolas V, Lalis A, Hugot JP. The Epidemiological Investigation of *Yersinia pestis*, *Francisella tularensis*, and *Arenavirus* Infections in Small Mammals in Northwestern Iran. *Vector-Borne and Zoonotic Diseases*. **2024**; <https://doi.org/10.1089/vbz.2023.0089>.
3. Alirezaei A, Khalili M, **Baseri N***, Esmaeili S, Mohammadi Damaneh E, Kazeminia S. Molecular detection of *Brucella* species among aborted small ruminants in southeast Iran. *Brazilian Journal of Microbiology*. **2024**; 55 (1), 911-917. <https://doi.org/10.1007/s42770-023-01191-z>.
4. **Baseri N**, Omid A, Latifian M, Mostafavi E, Khademvatan Sh, Omidifar N, Seyyed Tabaei SJ, Jafari R, Zeinali Sh, Ghasemi A, Esmaeili S*. Molecular examination for *Coxiella burnetii* and *Brucella* spp. infections in Iranian women experiencing spontaneous miscarriage. *BMC Infectious Diseases*. **2024**; 24 (1), 172. <https://doi.org/10.1186/s12879-024-09041-5>.
5. Hosseininasab A, MoradKasani S, Mostafavi E, **Baseri N**, Sadeghi M, Esmaeili S*. *Rickettsia conorii* subsp. israelensis infection in a pediatric patient presenting skin rash and abdominal pain: a case report from Southeast Iran. *BMC Infectious Diseases*. **2024**; 24 (1), 114. <https://doi.org/10.1186/s12879-024-09002-y>.
6. Mohabati Mobarez A, **Baseri N (contributed equally as first author)**, Khalili M, Mostafavi E, Esmaeili S*. Genotyping and phylogenetic analysis of *Coxiella burnetii* in domestic ruminant and clinical samples in Iran: insights into Q fever epidemiology. *Scientific Reports*. **2023**; 13 (1), 20374. <https://doi.org/10.1038/s41598-023-47920-0>.
7. Moravedji M, Beig M, **Baseri N**, Rahravani M, Latifian M, Esmaeili S*. Molecular detection of *Brucella abortus* and *Brucella melitensis* in domestic ruminants and their ticks in selected areas of western Iran. *Iranian Journal of Veterinary Research*. **2023**; 24 (3), 270. <https://doi.org/10.22099/2Fijvr.2023.47192.6806>.
8. Mohabati Mobarez A, **Baseri N**, Khalili M, Mostafavi E, Stenos J, Esmaeili S*. Genetic Diversity of *Coxiella burnetii* in Iran by Multi-Spacer Sequence Typing. *Pathogens*. **2022**; 11 (10), 1175. <https://doi.org/10.3390/pathogens11101175>.
9. **Baseri N**, Salehi-Vaziri M, Mostafavi E, Bagheri Amiri F, Latifian M, Stenos J, Esmaeili S*. Investigation of *Rickettsia conorii* in Patients Suspected of Having Crimean-Congo Hemorrhagic Fever. *Pathogens*. **2022**; 11 (9), 973. <https://doi.org/10.3390/pathogens11090973>.
10. Rahravani M, Moravedji M, Mostafavi E, Mohammadi M, Seyfi H, **Baseri N**, Mozoun MM, Latifian M, Esmaeili S*. The epidemiological survey of *Coxiella burnetii* in small ruminants and their ticks in western Iran. *BMC Veterinary Research*. **2022**; 18 (1), 1-7. <https://doi.org/10.1186/s12917-022-03396-0>.

11. **Baseri N**, Meysamie AP, Campanile F, Hamidieh AA, Jafarian A*. 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>.
12. **Baseri N**, Najar-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>.
13. **Baseri N**, Najar-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>.
14. **Baseri N**, Mostafa Salehi-Vaziri M, Mostafavi E, Fahimeh Amiri F, Latifian M, Stenos J, Esmaeili S*. Investigation of *Rickettsia conorii* in Patients Suspected of Having Crimean-Congo Hemorrhagic Fever. *Pathogens*. **2022**; 11 (9), 973. <https://doi.org/10.3390/pathogens11090973>.
15. Sayyahfar Sh, Latifan M, Esmaeili P, **Baseri N**, Bagheri Amiri F, Bakhshi B, Esteghamati E, Esmaeili S*. *Tropheryma whippelii* 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>.
16. Rahravani M, Moravedji M, Mostafavi E, **Baseri N**, Seyfi H, Mohammadi M, Ziaieia AH, Mozoun MM, Latifian M, Esmaeili S*. 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>.
17. **Baseri N***, Eslami G, Ghalavand Z, Zham H, Azargashb E. 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>.
18. **Baseri N**, Najar-Peerayeh Sh*, Bakhshi B. 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>.
19. **Baseri N**, Najar-Peerayeh Sh, Bagheri Amiri F. 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>.
20. Eslami G, 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>.
21. Samadi R, Eslami G, **Baseri N**, Zeynali R. 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>.
22. Eslami G, Samadi R, Taherpanah R, Taherpor A, **Baseri N**. 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>.
23. Eslami G, Khoshro F, Taheri S, Samad R, **Baseri N**, Azargashb E. Prevalence of bacterial agents in patients with conjunctivitis infection in Farabi hospital, Tehran. *Research in Medicine*. **2013**; 36 (4), 189-192. <http://pejouhesh.sbmu.ac.ir/article-1-1092-en.html>.

24. Eslam G, Taheri S, Naalchi F, **Baseri N**, Samadi R, Azarghashb E. The 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.sbmu.ac.ir/article-1-1110-en.html>.
25. Eslami G*, Taheri S, **Baseri N**, Montazeri SA, Shakeri A, Samadi R, Dabiri H, Zahirnia Z, Azargashb E. 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>.

Publications (Abstracts in congresses):

No.	Place and date	Congress name	The title of the presented abstract
1	France, 2023	10th International Conference on Tularemia-2023	Molecular and serological investigation of <i>Francisella tularensis</i> in rodents in the East-Azerbaijan Province, Iran
2	Copenhagen, Denmark , 15 - 18 April 2023.	33 rd European Congress of Clinical Microbiology and Infectious Diseases (ESCMID)	The different behavior of diverse <i>Staphylococcus aureus</i> strains towards emerging vancomycin-intermediate <i>S. aureus</i> (VISA) and heterogeneous VISA (hVISA) phenotypes
3	Italy , Catania 18 November 2020	48 th National Virtual Congress SIM (Societa Italiana Microbiologia)	Synergistic activity of ceftobiprole against clinical <i>Enterococcus faecalis</i> isolates
4	Tehran, Iran September 18th to 20th, 2023	24th Iran's International Congress of Microbiolog	Molecular detection of <i>Coxiella burnetii</i> and <i>Brucella</i> Species in Reservoirs and Vectors in Iran
5	Tehran, Iran 2-4 February, 2023	14th International Congress of Medical Lab. and Clinic	Detection of <i>Tropheryma whipplei</i> in valves specimens of patients with culture-negative endocarditis using Real-time PCR methods in Iran
6	Iran, Tehran October 27, 2016	4th Congress on Novel & Innovative Laboratory Technologies	The Prevalence of <i>Ureaplasma urealyticum</i> and <i>Mycoplasma genitalium</i> in patients with Prostate Cancer in Shohada Hospital in Tehran, Iran
7	Iran, Tehran 25-27 August 2015	The 16th International and Iranian Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	Detection of <i>Chlamydia trachomatis</i> in prostate cancer tissues by Nested PCR method
8	Iran, Tehran 2-4 October 2013	The 2nd Iranian Congress of Medical Bacteriology; (Shahid Beheshti University of Medical Sciences, Tehran)	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
9	Iran, Tehran	14th International Iranian	The study of bacteria causing skin

	28-30 August 2013	Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	infections and antibiotic resistance in patients referred to Shohada and Loghman hospitals
10	Iran, Mashhad 2-4 October, 2012	The 6th Iranian Congress of Clinical Microbiology & The First International Congress of Clinical Microbiology	Prevalence of <i>Helicobacter pylori</i> and Determination of Antibiotic Resistance in Patients with Gastritis Referred to Shahid Beheshti University of Medical Sciences Hospitals in Tehran Between 2010 and 2011
11	Iran, Ardabil 14-16 July 2012	The 13th Iranian and The 2nd International Congress of Microbiology	Survey the prevalence bacteria agents in patients with conjunctivitis infection in Farabi hospital, Tehran
12	Iran, Tehran 27-29 November 2012	The Fourth National Congress of HIV/AIDS; Diseases & Tropical Medicine Research Center	The prevalence of enteric bacteria in HIV-positive patients in different parts of the world: meta-analysis.

Research projects:

No.	Title Project	Supported by	Country	Date
1	Determining the prevalence of <i>Bartonella</i> by molecular method in immunocompromised patients referred to Imam Khomeini Hospital in 1402	Pasteur Institute of Iran	Iran	2023
2	Identification of <i>Coxiella burnetii</i> Plasmid pattern in Iran	Pasteur Institute of Iran	Iran	2022
3	Genotyping of <i>Coxiella burnetii</i> by MST in milk samples and vaginal swabs collected from small ruminants in Iran	National Institute for Medical Research Development	Iran	2022
4	Expression of six immunogenic proteins of <i>Francisella tularensis</i> and their evaluation for use in serological diagnosis of tularemia in humans	Pasteur Institute of Iran	Iran	2022
5	Ceftobiprole and enterococcal strains with diverse beta-lactam resistance gene content	University of Catania	Italy	2019
6	The global prevalence of bacterial contamination in bone allografts: a systematic review and meta-analysis	Tehran University of Medical sciences	Iran	2021
7	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
8	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
9	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

- Executive activities:

No.	Type of Activity	Date
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1	Assistant Editor in Infection Epidemiology and Microbiology journal (Publications of Tarbiat Modares University, Iran)	2023-continues
2	Reviewer in Infection Epidemiology and Microbiology journal (Publications of Tarbiat Modares University, Iran)	2019-continues
3	Quality control officer and Researcher in 1. 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. 2. 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.	August 2021 - February 2024
4	Reviewing articles in the 24th International Congress of Microbiology of Iran	September 2023
5	The Central Council of the Medical Bacteriology Association of Tarbiat Modares University	2017-2021

- Dissertation and thesis counseling:

No.	Year	Degree level	university or institution
1	2024	MSc	Tarbiat Modares University, Iran
2	2024	MSc in Medical Microbiology	Tarbiat Modares University, Iran
3	2023	Ph.D in Medical Bacteriology	Pasteur Institute of Iran
4	2025	Professional doctorate in veterinary medicine	Razi University, Iran

- Organizing workshops, speaking in webinars, and a Member of the Panel:

Name of the workshop or webinar	Place and date
quantitative real-time PCR Workshop	Tarbiat Modares University - October 2024
Primer Design Workshop	Tarbiat Modares University - February 2024
quantitative real-time PCR Workshop	Research Center for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran- June 2024
PFGE Workshop	Research Center for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran- June 2024
Being a member and speaker in the panel titled "Emerging and Reemerging Diseases" at the 24th Iran's International Congress of Microbiology	International Congress of Microbiology - September 2023
Webinar on American Veterinary Medical	Research Center for Emerging and Reemerging

Association Guidelines for Rodent Euthanasia	Infectious Diseases, Pasteur Institute of Iran- April 2023
Webinar on the role of <i>Coxiella burnetii</i> and Q fever in causing hepatitis in humans	Research Center for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran – December 2021
Webinar on reviewing the basics of Rickettsial diseases and studies in Iran	Research Center for Emerging and Reemerging Infectious Diseases, Pasteur Institute of Iran – October 2021

- **Participation in national and international congresses and conferences:**

Name of congress or conference	Place and date
The 24th Iran's International Congress of Microbiology	Tehran, Iran 18-20 September, 2023
The 23 th International and Iranian Congress of Microbiology (Tehran university of Medical Sciences)	Tehran, Iran 30 August-1 September, 2022
Monkey pox scientific conference (Pasteur Institute of Iran)	Tehran, Iran 4 July 2022
Microbiome metabolism and healthy aging conference (Pasteur Institute of Iran)	Tehran, Iran 27 June 2022
ESCMID Conference on Coronavirus Disease (ECCVID)	Live online September 23-25, 2020
4 th Congress on Novel & Innovative Laboratory Technologies	Iran, Tehran October 27, 2016
3 rd Symposium of Medical Laboratory Technologists & Students	Iran, Tehran 20 March 2016
Conference on Crimean-Congo Hemorrhagic Fever (Tehran university of Medical Sciences)	Iran, Tehran 27 July 2015
The 16 th International and Iranian Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	Iran, Tehran 25-27 August 2015
The 2nd Iranian Congress of Medical Bacteriology; (Shahid Beheshti University of Medical Sciences, Tehran)	Iran, Tehran 2-4 October 2013
14 th International Iranian Congress of Microbiology (Shahid Beheshti University of Medical Sciences)	Iran, Tehran 28-30 August 2013
The 6 th Iranian Congress of Clinical Microbiology & The First International Congress of Clinical Microbiology	Iran, Mashhad 2-4 October, 2012

Selected to receive a grant from abroad Society:

Title	Presented by	Country	Date
I was chosen 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

Membership to Scientific Associations:

Name of	Country	Date
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Association		
Young Scientist (ESCMID young Scientist Member)	Switzerland	2017-2018
Iranian society of Microbiology	Iran	2013- continues

Participation in Workshops:

Title	Presented by	Date
Writing and publishing the book in Springer Nature Publications	Tarbiat Modares University, Iran	2024
First aid	Pasteur Institute of Iran	2023
Programming with Python and Biopython for Bioinformatics	Nexintek Education Inc. Canada	2023
Basics of biosafety	Pasteur Institute of Iran	2023
Working with laboratory animals	Shahid Beheshti University of Medical Sciences	2022
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

- Registration of genes in NCBI:

Number	GenBank Accession no.	Description
1	MN718194	<i>Staphylococcus aureus</i> strain Tm1 mutant VraS (vraS) gene, partial cds
2	MN508199	<i>Staphylococcus aureus</i> strain Tm4 VraS (vraS) gene, complete cds
3	MN508198	<i>Staphylococcus aureus</i> strain Tp4 VraS (vraS) gene, complete cds
4	MN508197	<i>Staphylococcus aureus</i> strain Tp1 VraS (vraS) gene, complete cds
5	MN503675	<i>Staphylococcus aureus</i> strain Tp3 GraR (graR) gene, complete cds
6	MN503674	<i>Staphylococcus aureus</i> strain Tm3v GraS (graS) gene, complete cds
7	MN503673	<i>Staphylococcus aureus</i> strain Tp3 GraS (graS) gene, complete cds
8	MN503672	<i>Staphylococcus aureus</i> strain Tm4 VraT (vraT) gene, complete cds
9	MN503671	<i>Staphylococcus aureus</i> strain Tp4 VraT (vraT) gene, complete cds
10	MN503670	<i>Staphylococcus aureus</i> strain Tp1 VraT (vraT) gene, complete cds
11	MN503669	<i>Staphylococcus aureus</i> strain Tp4v WalR (walR) gene, complete cds
12	MN503668	<i>Staphylococcus aureus</i> strain Tp4 WalR (walR) gene, complete cds
13	MN503667	<i>Staphylococcus aureus</i> strain Tm1 WalR (walR) gene, complete cds
14	MN503666	<i>Staphylococcus aureus</i> strain Tp1 WalR (walR) gene, complete cds
15	MN503665	<i>Staphylococcus aureus</i> strain Tm4v WalK (walK) gene, complete cds

16	MN503664	<i>Staphylococcus aureus</i> strain Tp4 WalK (walK) gene, complete cds
17	MN503663	<i>Staphylococcus aureus</i> strain Tm1 WalK (walK) gene, complete cds
18	MN503662	<i>Staphylococcus aureus</i> strain Tp1 WalK (walK) gene, complete cds
19	OM400521	<i>Tropheryma whippelii</i> isolate W70 WiSP family protein gene, partial cds
20	OL856144	<i>Francisella tularensis</i> subsp. <i>holarctica</i> isolate T121 region of difference 1 genomic sequence
21	OM400523	<i>Tropheryma whippelii</i> isolate WM11 WiSP family protein gene, partial cds
22	OM400522	<i>Tropheryma whippelii</i> isolate WB14 WiSP family protein gene, partial cds
23	OR901915.1	<i>Coxiella burnetii</i> isolate E111 hypothetical protein gene, partial cds
24	OR901914.1	<i>Coxiella burnetii</i> isolate As26 hypothetical protein gene, partial cds
25	OR901913.1	<i>Coxiella burnetii</i> isolate AS25 hypothetical protein gene, partial cds
26	OR901912.1	<i>Coxiella burnetii</i> isolate MS45 hypothetical protein gene, partial cds
27	OR901911.1	<i>Coxiella burnetii</i> isolate AG3 hypothetical protein gene, partial cds
28	OR901910.1	<i>Coxiella burnetii</i> isolate AG1 hypothetical protein gene, partial cds
29	OR901909.1	<i>Coxiella burnetii</i> isolate MG101 hypothetical protein gene, partial cds
30	OR901908.1	<i>Coxiella burnetii</i> isolate AC11 hypothetical protein gene, partial cds
31	OR901907.1	<i>Coxiella burnetii</i> isolate AC3 hypothetical protein gene, partial cds
32	OR901906	<i>Coxiella burnetii</i> isolate MB92 hypothetical protein gene, partial cds
33	OR901905	<i>Coxiella burnetii</i> isolate K2 surface E' protein (cbbE) gene, partial cds
34	OR901904	<i>Coxiella burnetii</i> isolate E111 acute disease antigen A (adaA) gene, partial cds
35	OR901903	<i>Coxiella burnetii</i> isolate Q50 acute disease antigen A (adaA) gene, partial cds
36	OR901902	<i>Coxiella burnetii</i> isolate AS26 acute disease antigen A (adaA) gene, partial cds
37	OR901901	<i>Coxiella burnetii</i> isolate AS3 acute disease antigen A (adaA) gene, partial cds
38	OR901900	<i>Coxiella burnetii</i> isolate AG2 acute disease antigen A (adaA) gene, partial cds
39	OR901899	<i>Coxiella burnetii</i> isolate AG1 acute disease antigen A (adaA) gene, partial cds
40	OR901898	<i>Coxiella burnetii</i> isolate MG103 acute disease antigen A (adaA) gene, partial cds
41	OR901897	<i>Coxiella burnetii</i> isolate MG101 acute disease antigen A (adaA) gene, partial cds
42	OR901896	<i>Coxiella burnetii</i> isolate AC3 acute disease antigen A gene, partial cds
43	OR901895	<i>Coxiella burnetii</i> isolate MB92 acute disease antigen A (adaA) gene, partial cds
44	OR661237	<i>Rickettsia conorii</i> subsp. <i>israelensis</i> R2302004A citrate synthase I (glta) gene, partial cds
45	OL413430	<i>Francisella tularensis</i> subsp. <i>holarctica</i> strain T121 16S ribosomal RNA gene, partial sequence
46	PQ015125	Uncultured bacterium clone MHHM0559 F1 capsule antigen (caf1) gene, partial cds
47	PQ015126	Uncultured bacterium clone MHHM0562 F1 capsule antigen (caf1) gene, partial cds

Skills and laboratory experiences:

Title	Methods
Molecular biology techniques	Complete skills in DNA and RNA extractions, conventional PCR, Nested-PCR, Multiplex-PCR, qPCR, RT-qPCR, electrophoresis, DNA sequencing, Molecular Typing methods (pulse field gel electrophoresis, MLST, MST, MLVA), and etc. Familiarity with cell culture, LPS extraction, Western blot, southern blot, SDS-page, protein purification, 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, 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.
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Personal and social skills based on what I know about myself:

1. Proficient communication skills and ability to work in teams
2. Love to work and learn
3. Hard work, patience and effort at work
4. Responsibility
5. High accuracy in work

Research Interests:

Antimicrobial Resistance in bacteria, Antimicrobial tolerance
Genomic, molecular, and bioinformatics investigations of Staphylococcus aureus strains with intermediate resistance to vancomycin for diagnosis, treatment, and aiding in vaccine development.
Molecular modeling, bioinformatics, and computational methods in the field of bacterial infections
Epidemiology of bacterial infectious diseases
Design of new antibacterial agents