

CURRICULUM VITAE
Mohammed R. Pourshafie, Ph.D.

Education:

University of North Texas Denton, TX, U.S.A	Ph.D.in Immunology & Microbiology 1986-1992
University of Arkansas Fayetteville, AR, U.S.A	Master in Microbiology 1984-1986
University of Arkansas Fayetteville, AR, U.S.A	Bachelor in Microbiology 1980-1984

Professional experience:

<i>Pasteur Institute of Iran, Tehran, Iran</i> Faculty member	1994-Present
<i>University of Kalmar- Kalmar, Sweden</i> Research fellow, Department of Chemistry and Biomedical Sciences	03/2003-12/2003
<i>Universite Paris- Paris, France</i> Research fellow, Department of Medical Sciences	11/2001-11/2002
<i>Institute Pasteur- Paris, France</i> Research fellow, Unite des Enterobacteriaceae	11/1998-11/1999
<i>University of Louisville, Louisville, KY, U.S.A.</i> Postdoctoral fellow; Dept. of Microbiology Immunology	1/1993- 6/1994
<i>Texas College of Osteopathic Medicine, Fort Worth, TX, U.S.A.</i> Graduate research assistant; Dept. of Microbiology Immunology	1990-1992
<i>Wadley Institutes of Molecular Medicine, Dallas, TX, U.S.A.</i> Research Assistant; Dept. of Immunotherapy	1988-1990

International grants received:

1. Title of the Project "Evaluation of *Enterococci* species and clonality in sewage treatment water in Iran". 2006-2007, WORLD HEALTH ORGANIZATION, R6/18/3
2. *Workshop on "Molecular typing and diagnosis of bacteria infectious diseases"* at Pasteur Institute of Iran, supported by INSTITUT PASTEUR (Paris), 2006
3. Title of the Project "Interaction binding of *Esherichia coli* with papG using surface plasmon resonance" 2006, SIDA, SWEDEN
4. Title of the Project "Molecular diversity of enterococcal species isolated from water treatment plants in Sweden and Iran" 2006, SIDA 6342, SWEDEN
5. Title of the Project: "*Molecular typing of Salmonella enterica* serotype Typhi in Iran". 2001-2002, THIRD WORLD ACADEMY OF SCIENCES, 00-366 RG/Bio/AS,, ITALY
6. Title of the Project: *Investigation of the Iranian traditional plant medicine for anti-mycobacterial activity*" 1998, WORLD HEALTH ORGANIZATION

Peer-reviewed International Publications

1. Weill FX, Domman D, Njamkepo E, Almesbahi AA, Naji M, Nasher SS, Rakesh A, Assiri AM, Sharma NC, Kariuki S, **Pourshafie MR**, et al. Genomic insights into the 2016-2017 cholera epidemic in Yemen. **Nature**. 2019 Jan;565(7738):230-233.
2. Asadollahi P, Razavi S, Asadollahi K, **Pourshafie MR**, Talebi M. Rise of antibiotic resistance in clinical enterococcal isolates during 2001-2016 in Iran: a review. **New Microbes New Infect**. 2018 Sep 5;26:92-99.
3. Asadollahi P, Razavi S, Asadollahi K, Pourshafie MR, Talebi M. Rise of antibiotic resistance in clinical enterococcal isolates during 2001-2016 in Iran: a review. **New Microbes New Infect**. 2018 Sep 5;26:92-99.
4. Bassiri-Jahromi S, **Pourshafie MR**, Mirabzade Ardakani E, Ehsani AH, Doostkam A, Katirae , Mostafavi E. In Vivo Comparative Evaluation of the Pomegranate (*Punica granatum*) Peel Extract as an Alternative Agent to Nystatin against Oral Candidiasis. **Iran J Med Sci**. 2018 May;43(3):296-304.
5. Mohammadi F, Eshaghi M, Razavi S, Sarokhalil DD, Talebi M, **Pourshafie MR**. Characterization of bacteriocin production in *Lactobacillus* spp. isolated from mother's milk. **Microb Pathog**. 2018 May;118:242-246.
6. Hasannejad Bibalan M, Eshaghi M, Rohani M, Esghaei M, Darban-Sarokhalil D, **Pourshafie MR**, Talebi M. Isolates of *Lactobacillus plantarum* and *L. reuteri* display greater antiproliferative and antipathogenic activity than other *Lactobacillus* isolates. **J Med Microbiol**. 2017 Sep 13. doi: 10.1099/jmm.0.000591.
7. Hasannejad Bibalan M, Eshaghi M, Rohani M, **Pourshafie MR**, Talebi M. Determination of Bacteriocin Genes and Antibacterial Activity of *Lactobacillus* Strains Isolated from Fecal of Healthy Individuals. **Int J Mol Cell Med**. 2017 Winter;6(1):50-55.
8. Papizadeh M, Rohani M, Nahrevanian H, Javadi A, **Pourshafie MR**. Probiotic characters of *Bifidobacterium* and *Lactobacillus* are a result of the ongoing gene acquisition and genome minimization evolutionary trends. **Microb Pathog**. 2017 Aug 18;111:118-131. doi: 10.1016/j.micpath.2017.08.021
9. Eshaghi M, Bibalan MH, Rohani M, Esghaei M, Douraghi M, Talebi M, **Pourshafie MR**. *Bifidobacterium* obtained from mother's milk and their infant stool; A comparative genotyping and antibacterial analysis. **Microb Pathog**. 2017 Aug 18;111:94-98. doi: 10.1016/j.micpath.2017.08.014.
10. EEsfandiari B, Nahrevanian H, **Pourshafie MR**, Gouya MM, Khaki P, Mostafavi E, Darvish J, Hanifi H. Epidemiological Distribution of Rodents as Potent Reservoirs for Infectious Diseases in the Provinces of Mazandaran, Gilan and Golestan, Northern Iran. **Infect Dis Rep**. 2017 May 31;9(2):6900. doi: 10.4081/idr.2017.6900.

11. Raeisi J, Saifi M, **Pourshafie MR**, Habibi M, Mohajerani HR, Akbari N, Karam MRA. Rapid Identification of Vancomycin Resistant *Enterococcus Faecalis* Clinical Isolates using a Sugar Fermentation Method. *J Clin Diagn Res*. 2017 Mar;11(3):DC14-DC17. doi: 10.7860/JCDR/2017/19017.9568.
12. Karimaei S, Sadeghi J, Asadian M, Esghaei M, **Pourshafie MR**, Talebi M. Antibacterial potential and genetic profile of *Enterococcus faecium* strains isolated from human normal flora. **Microb Pathog**. 2016 Jul;96:67-71. doi: 10.1016/j.micpath.2016.05.004
13. Talebi M, Azadegan A, Sadeghi J, Ahmadi A, Ghanei M, Katouli M, Owlia P, **Pourshafie MR**. Determination of characteristics of erythromycin resistant *Streptococcus pneumoniae* with preferred PCV usage in Iran. **PLoS One**. 2016 Dec 29;11(12):e0167803. doi: 10.1371/journal.pone.0167803
14. Noohi N, Ebrahimipour G, Rohani M, Talebi M, **Pourshafie MR**. Evaluation of potential probiotic characteristics and antibacterial effects of strains of *Pediococcus* species isolated from broiler chickens. **Br Poult Sci**. 2016 Jun;57(3):317-23. doi: 10.1080/00071668.2016.1169247. Epub 2016 May 23
15. Rohani M, Noohi N, Talebi M, Katouli M, **Pourshafie MR**. Highly Heterogeneous Probiotic *Lactobacillus* Species in Healthy Iranians with Low Functional Activities. **PLoS One**. 2015 Dec 8;10(12)
16. Talebi M, Asghari Moghadam N, Mamooii Z, Enayati M, Saifi M, **Pourshafie MR**. Antibiotic Resistance and Biofilm Formation of *Enterococcus faecalis* in Patient and Environmental Samples. **Jundishapur J Microbiol**. 2015 Oct 24;8(10):e23349. doi: 10.5812/jjm.23349. eCollection 2015 Oct.
17. Raeisi J, Saifi M, **Pourshafie MR**, Asadi Karam MR, Mohajerani HR. Rapid Detection of Methicillin-Resistant *Staphylococcus aureus* Isolates by Turanose Fermentation Method. **Jundishapur J Microbiol**. 2015 Sep 19;8(9):e21198. doi: 10.5812/jjm.21198. eCollection 2015 Sep.
18. Azimi L, Talebi M, Owlia P, **Pourshafie MR**, Najafi M, Lari ER, Lari AR. Tracing of false negative results in phenotypic methods for identification of carbapenemase by Real-time PCR. **Gene**. 2016 Jan 15;576(1 Pt 1):166-70. doi: 10.1016/j.gene.
19. Enayati M, Sadeghi J, Nahaei MR, Aghazadeh M, **Pourshafie MR**, Talebi M. Virulence and antimicrobial resistance of *Enterococcus faecium* isolated from water samples. **Lett Appl Microbiol**. 2015 Oct;61(4):339-45. doi: 10.1111/lam.12474.
20. Talebi M, Shafiee M, Sadeghi J, Moghadam NA, Saifi M, **Pourshafie MR**. Genotypic Diversity of Methicillin-Resistant Coagulase-Negative *Staphylococci* Isolated from Inpatients and Outpatients. **Microb Drug Resist**. 2016 Mar;22(2):147-54. doi: 10.1089/mdr.2014.0195. Epub 2015 Aug 6.

21. Talebi M, Sadeghi J, Rahimi F, **Pourshafie MR**. Isolation and Biochemical Fingerprinting of Vancomycin-Resistant *Enterococcus faecium* From Meat, Chicken and Cheese. **Jundishapur J Microbiol**. 2015 Apr 18;8(4):e15815. doi: 10.5812/jjm.8(4)2015.15815. eCollection 2015 Apr.
22. Bakhshi B, Ghafari M, **Pourshafie MR**, Zarbakhsh B, Katouli M, Rahbar M, Hajia M, Hosseini-Aliabad N, Boustanshenas M. Resistance-Gene Cassettes Associated With *Salmonella enterica* Genotypes. **Lab Med**. 2015 Spring;46(2):90-6.
23. Azimi L, Talebi M, **Pourshafie MR**, Owlia P, Rastegar Lari A. Characterization of Carbapenemases in Extensively Drug Resistance *Acinetobacter baumannii* in a Burn Care Center in Iran. **Int J Mol Cell Med**. 2015 Winter;4(1):46-53.
24. Sedaghat M, Nakhost Lotfi M, Talebi M, Saifi M, Pourshafie MR. Status of pertussis in iran. **Jundishapur J Microbiol**. 2014 Nov;7(11):e12421. doi: 10.5812/jjm.12421.
25. Esfandiari B, **Pourshafie MR**, Gouya MM, Khaki P, Mostafavi E, Darvish J, Bidhendi SM, Hanifi H, Nahrevanian H. An epidemiological comparative study on diagnosis of rodent leptospirosis in Mazandaran Province, northern Iran. **Epidemiol Health**. 2015 Feb 23;37:e2015012. doi: 10.4178/epih/e2015012.
26. Noohi N, Ebrahimipour G, Rohani M, Talebi M, **Pourshafie MR**. Phenotypic Characteristics and Probiotic Potentials of *Lactobacillus* spp. Isolated From Poultry. **Jundishapur J Microbiol**. 2014 Sep;7(9):e17824. doi: 10.5812/jjm.17824.
27. Sadeghi J, Ahamadi A, Douraghi M, **Pourshafie MR**, Talebi M. Molecular analysis of pbp2b in *Streptococcus pneumoniae* isolated from clinical and normal flora samples. **Curr Microbiol**. 2015 Feb;70(2):206-11. doi: 10.1007/s00284-014-0704-7.
28. Bakhshi B, Eftekhari N, **Pourshafie MR**. Genetic elements associated with antimicrobial resistance among intestinal bacteria. **Jundishapur J Microbiol**. 2014 May;7(5):e9924. doi: 10.5812/jjm.9924. Epub 2014 May 1.
29. Borhani K, Ahmadi A, Rahimi F, **Pourshafie MR**, Talebi M. Determination of Vancomycin Resistant *Enterococcus faecium* Diversity in Tehran Sewage Using Plasmid Profile, Biochemical Fingerprinting and Antibiotic Resistance. **Jundishapur J Microbiol**. 2014 Feb;7(2):e8951. doi: 10.5812/jjm.8951. Epub 2014 Feb 1.
30. Rahimi F, Katouli M, **Pourshafie MR**. Characteristics of hospital- and community-acquired methicillin-resistant *Staphylococcus aureus* in Tehran, Iran. **J Med Microbiol**. 2014 Jun;63(Pt 6):796-804. doi: 10.1099/jmm.0.070722-0.
31. Talebi M, Sadeghi J, **Pourshafie MR**. Molecular characterization of vancomycin-resistant *Enterococcus faecium* isolated from intensive care units. **Curr Microbiol**. 2014 May;68(5):615-20. doi: 10.1007/s00284-013-0517-0. Epub 2014 Jan 8.

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33. Fazzeli H, Arabestani MR, Esfahani BN, Khorvash F, **Pourshafie MR**, Moghim S, Safaei HG, Faghri J, Narimani T. Development of PCR-based method for detection of Enterobacteriaceae in septicemia. **J Res Med Sci.** 2012 Jul;17(7):671-5.
34. Javidnia S, Talebi M, Saifi M, Katouli M, Rastegar Lari A, **Pourshafie MR**. Clonal dissemination of methicillin-resistant Staphylococcus aureus in patients and the hospital environment. **Int J Infect Dis.** 2013 Sep;17(9):e691-5.
35. Marashi SM, Nasr Esfahani B, Tavakoli A, Moghim S, **Pourshafie MR**, Salehi M. Simultaneous Detection of Integrase and Antibiotic Resistance Genes within SXT Constin in Vibrio cholerae O1 El Tor Strains Isolated from Iran Using Multiplex-PCR. **Iran J Basic Med Sci.** 2012 May;15(3):885-9.
36. Eftekhari N, Bakhshi B, **Pourshafie MR**, Zarbakhsh B, Rahbar M, Hajia M, Ghazvini K. Genetic diversity of Shigella spp. and their integron content. **Foodborne Pathog Dis.** 2013 Mar;10(3):237-42. doi: 10.1089/fpd.2012.1250.
37. Dashtbani-Roozbehani A, Bakhshi B, **Pourshafie MR**. Genetic relatedness of clinical and environmental Vibrio cholerae isolates based on triple housekeeping gene analysis. **Curr Microbiol.** 2013 Jul;67(1):15-20. doi: 10.1007/s00284-013-0324-7.
38. Bakhshi B, Fallahzad S, **Pourshafie MR**. The occurrence of atypical enteropathogenic Escherichia coli strains among children with diarrhea in Iran. **J Infect Chemother.** 2013 Aug;19(4):615-20. doi: 10.1007/s10156-012-0526-0. Epub 2012 Dec 1
39. Bakhshi B, Mohammadi-Barzelighi H, Sharifnia A, Dashtbani-Roozbehani A, Rahbar M, **Pourshafie MR**. Presence of CTX gene cluster in environmental non-O1/O139 Vibrio cholerae and its potential clinical significance. **Indian J Med Microbiol.** 2012 Jul-Sep;30(3):285-9. doi: 10.4103/0255-0857.99487
40. Rahimi F, Bouzari M, Katouli M, **Pourshafie MR**. Prophage and antibiotic resistance profiles of methicillin-resistant Staphylococcus aureus strains in Iran. **Arch Virol.** 2012 Sep;157(9):1807-11. doi: 10.1007/s00705-012-1361-4. Epub 2012 Jun 9
41. Najibi S, Bakhshi B, Fallahzad S, **Pourshafie MR**, Katouli M, Sattari M, Alebouyeh M, Tajbakhsh M. Distribution of class 1 integrons among enteropathogenic Escherichia coli. **Can J Microbiol.** 2012 May;58(5):637-43. doi: 10.1139/w2012-035. Epub 2012 Apr 27.
42. Marashi SM, Bakhshi B, Fooladi AA, Tavakoli A, Sharifnia A, **Pourshafie**

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43. Aliabad NH, Bakhshi B, **Pourshafie MR**, Sharifnia A, Ghorbani M. Molecular diversity of CTX prophage in *Vibrio cholerae*. **Lett Appl Microbiol.** 2012 Jul;55(1):27-32. doi: 10.1111/j.1472-765X.2012.03253.x. Epub 2012 May 18.
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45. Sharifnia A, Bakhshi B, **Pourshafie MR**. wbeT sequence typing and IS1004 profiling of *Vibrio cholerae* isolates. **Lett Appl Microbiol.** 2012 Apr;54(4):267-71.
46. Mohammadi-Barzelighi H, Bakhshi B, Rastegar Lari A, **Pourshafie MR**. Characterization of pathogenicity island prophage in clinical and environmental strains of *Vibrio cholerae*. **J Med Microbiol.** 2011 Dec;60(Pt 12):1742-9. doi: 10.1099/jmm.0.031732-0. Epub 2011 Aug 18.
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49. Jahangiri S, Talebi M, Eslami G, **Pourshafie MR**. Prevalence of virulence factors and antibiotic resistance in vancomycin-resistant *Enterococcus faecium* isolated from sewage and clinical samples in Iran. **Indian J Med Microbiol.** 2010 Oct-Dec;28(4):337-41. doi: 10.4103/0255-0857.71828
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51. Adabi M, Bakhshi B, Goudarzi H, Zahraei SM, **Pourshafie MR**. 2009, Distribution of class I integron and sulfamethoxazole trimethoprim constin in *Vibrio cholerae* isolated from patients in Iran. **Microb Drug Resist.** 15:179-84
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- clinical samples in Tehran, Iran. **Lett Appl Microbiol.** 49:160-5.
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- of endemic *Shigella boydii* strains isolated in Iran by serotyping, antimicrobial resistance, plasmid profile, ribotyping and pulsed-field gel electrophoresis. **BMC Res Notes**. 29:1:74.
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