

CURRICULUM VITAE
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Date & Place of birth: September 20, 1967, Shiraz, Iran

Marital Status: Married

Citizenship: Iran

Education:

October 1992 DVM from School of Veterinary Medicine, Shiraz
University, Shiraz, Iran.

November 2001 Ph.D in Medical Microbiology from School of Medicine,
Shiraz University of Medical Sciences, Shiraz, Iran

Scientific society or Committee membership:

- Iranian Veterinary Association
- Islamic Republic of Iran Medical Council
- Islamic Republic of Iran society of Microbiology
- The Australian Society for Microbiology
- European Society of Clinical Microbiology & Infectious Diseases
- Editorial Board of Iranian Journal of Veterinary Research (IJVR)

Working experience:

January 2000- June 2000: Working in virology laboratory of the department
of applied biology & biotechnology, RMIT
University, Melbourne, Australia

October 2004-December 2004: Working in virology laboratory of the department
of applied biology & biotechnology, RMIT

University, Melbourne, Australia

June 2002- December 2007	Assistant Professor of Microbiology; teaching Medical Bacteriology & Virology, Shiraz Medical School, Shiraz, Iran
December 2007- December 2012	Associate Professor of Microbiology; teaching Medical Bacteriology & Virology, Shiraz Medical School, Shiraz, Iran
December 2012 - present	Professor of Microbiology; teaching Medical Bacteriology & Virology, Shiraz Medical School, Shiraz, Iran

Research Experience:

- IFA
- EM
- ELISA
- Cell Culture Techniques
- Viral Identification techniques; Neutralization; Hemagglutination, Plaque assay
- PCR
- Bacteriologic Techniques

Research Interests:

- Herpes simplex virus
- Effect of different synthetic and herbal drugs on bacteria and viruses especially HSV
- Seroprevalence of viral infections
- HCV diagnosis & genotyping
- Clinical and molecular diagnosis of different Bacteria and Viruses

Publications:

Full papers:

1. Firouzi R, **Motamedifar M**. Effect of heat & cold stress on humoral immunity in mice. J. Appl. Anim. Res. 1999; (16): 75-80.
2. Kabiri M, **Motamedifar M**, Akbari S. The effect of sodium valproate on measles virus, poliovirus type 1 & coxsackievirus B3 replication. Irn. J. Med. Sci. 2001; (1 & 2): 55-61.

3. Moattari A, Kabiri, M, Shahrabadi MS, Akbari S. Iranpoor N, **Motamedifar M**. Sodium valproate-induced potentiation of antiherpetic effect of acyclovir. *Irn. J. Med. Sci.* 2002; 27 (4): 180-187.
4. Jarrahpour AA, **Motamedifar M**, Mousavipour H, Hadi N and Zarei M. Synthesis of (2-Chloropyridine-3-yl)-(4-nitrobenzylidene) amine and its antibacterial activity. *Molbank* 2004, M364.
5. Jarrahpour AA, **Motamedifar M**, Hadi N and Zarei M. Synthesis of 2-methoxy-6-(pyrazin-2-ylimino methyl) phenol and its antibacterial activity. *Molbank* 2004, M373
6. Jarrahpour AA, **Motamedifar M**, Pakshir K, Hadi N. and Zarei M. Synthesis of Novel Azo Schiff Bases and Their Antibacterial and Antifungal Activities. *Molecules* 2004; 9, 815-824.
7. **Motamedifar M**, Darbari MH. Effect of aqueous, alcoholic & chloroform extract of German Chamomile (*Matricaria recutita*) on some gram- positive and gram- negative bacteria, *Journal of Medical research. Journal of Medical Research* 2004 & 2005; 3 (2,3): 39-46
8. **Motamedifar M**, Moattari A. In Vitro Study of the Effect of Sodium valproate on Herpes simple virus type 1 replication, *Iranian Journal of Medical sciences* 2006; 31 (1): 28-32.
9. **Motamedifar M**, Handjani F, Hadi N, Shahkarami MK, Mehrabani D. Seroprevalence of Varicella-Zoster Virus in Children from Shiraz, Iran, *Iran. J. Immunol.* 2006; 3. (1):43-46.
10. Moatari A, Nekooeian AA, **Motamdifar M**. The antiinfluenza virus activity of hydroalcoholic extract of olive leaves. *Iranian Journal of Pharmaceutical Sciences* Summer 2006; 2(3): 163-168.

11. Hassanzadeh P, **Motamedifar M**. Occurrence of *Campylobacter jejuni* in Shiraz, Southwest Iran. *Med Princ Pract*. 2007;16(1):59-62.
12. Hassanzadeh P, **Motamedifar M**. The Prevalence of Asymptomatic Bacteriuria in Long Term Care Facility Residents in Shiraz, Southwest Iran: A Cross-Sectional Study. *Pak J Biol Sci* 2007; 10 (21): 3890-3894.
13. Sabayan B, **Motamedifar M**, Zamiri N, Karamifar K, Chohedry A. VIRAL INFECTIONS, PREVALENCE AND COSTS: A 5-year, hospital based, retrospective observational study in Shiraz, Iran. *Pak J Med Sci* 2007; 23 (4): 580-584.
14. Hashemizadeh Z, **Motamedifar M**, Ziyaeyan M. The comparison of Elisa test and nested-PCR for detection of Human Cytomegalovirus (HCMV) infection. *Armaghane-danesh (Yasuj University of Medical science Scientific Journal)* 2007; 12 (1):89-95.
15. **Motamedifar M**, Nekooeian AA, Moatari A. The effect of hydroalcoholic extract of olive leaves against Herpes Simplex Virus type 1. *Iranian Journal of Medical sciences* 2007.; 32 (4):222-226.
16. Mehrabanpour MJ, Dadras H., Pourbakhsh SA, Hoseini SMH, **Motamedifar M**, Mohammadi A. Plaque formation of LaSotapathogenic strain of Newcastle disease virus adapted in chick embryo fibroblast cells. *Archives of Razi Institute*. 2007; 62(1):7-13.
17. **Motamedifar M**, Noorafshan A. Cytopathic effect of the herpes simplex virus type 1 appears stereologically as early as 4 h after infection of Vero cells. *Micron*. 2008; 39(8):1331-4.
18. **Motamedifar M**, Hashemizadeh Z, Hadi N, Torab jahromi A, Kasraian L. The Study of seroprevalence of human Cytomegalovirus in healthy blood donors referring to Fars Blood bank. *Hormozgan Medical Journal*; 2008; 12 (4):237-242.

19. Hassanzadeh P, **Motamedifar M**, Hadi N. Prevalent bacterial infections in intensive care units of Shiraz University of medical sciences teaching hospitals, Shiraz, Iran. *Jpn J Infect Dis.* 2009; 62(4):2 49-53.
20. **Motamedifar M**, Askarian M. The prevalence of multidose vial contamination by aerobic bacteria in a major teaching hospital, Shiraz, Iran, 2006. *Am J Infect Control.* 2009; 37(9): 773-777.
21. **Motamedifar M**, Hassanzadeh P, Ghafari N. Relative frequency of Staphylococcal carriage and antibiotic sensitivity of isolated Staphylococci in hemodialysis patients in Shiraz, Iran. *Med Princ Pract.* 2010;19 (5):379-83.
25. Abbaszadegan A, Khayat A, **Motamedifar M**. Comparison of antimicrobial efficacy of IKI and NaOCI irrigants in infected root canals: An in vivo study. *Iranian Endodontic Journal* 2010; 5 (3): 101-106.
26. Jarrahpour A, **Motamedifar M**, Zarei M, Mimouni M. Synthesis of new N-sulfonyl monocyclic β -lactams and the investigation of their antibacterial activities Phosphorus,sulfur and silican Phosphorus, Sulfur, and Silicon 2010, 185 (2): 287-297
27. Jarrahpour A, **Motamedifar M**, Zarei M, Youssoufi MH, Mimouni M, Chohan ZH, Ben Hadda T. Petra, Osiris, and molinspiration together as a guide in drug design: predictions and correlation structure/antibacterial activity relationships of new N-sulfonyl monoctclie β -lactams. *Phosphorus, Sulfur, and Silicon* 2010,185 (2), 491-497.
28. **Motamedifar M**, Tannock GA. Telomerase Activity in Chicken Embryo Fibroblast Cell Cultures Infected with Mareks Disease Virus. *Middle East J* 2010, 1 (3), 129-133.
29. **Motamedifar M**, Ghafari N, Talezadeh Shirazi P. The Effect of Cumin seed extracts against Herpes Simplex Virus Type 1 in Vero Cell Culture. *Iran J Med Sci* 2010; 35(4): 304-309.

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31. Emamghorashi F, Owji SM, **Motamedifar M**. Evaluation of Effectiveness of Vitamins C and E on Prevention of Renal Scar due to Pyelonephritis in Rat. *Adv Urol.* 2011;2011: 489-496.
32. Hassanzadeh P, **Motamedifar M**, Gharaghani MN. Carriage rate of group B streptococci in pregnant women in three teaching hospitals in Shiraz, Iran. *Med Princ Pract.* 2011;20 (3):277-82.
33. Noorafshan A, **Motamedifar M**, Karbalay-Doust S. Volume and surface changes in vero cell and its nucleus after infection with measles virus: a stereological study *Microbiology Research* 2011; 2 (1), e18.
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35. **Motamedifar M**, Saki M, Ghaderi A. Lack of Association of Mouse Mammary Tumor Virus-Like Sequences in Iranian Breast Cancer Patients. *Med Princ Pract.* 2011;20(3):277-82.
36. Khani S, **Motamedifar M**, Golmoghaddam H, Mahmoodzadeh Hosseini H, Hashemizadeh Z. In-vitro study of the effect of a probiotic bacterium *Lactobacillus rhamnosus*" against Herpes Simplex Virus Type 1. *Braz J Infect Dis.* 2012; 16(2):129-35.
37. Mardani M, **Motamedifar M**, Hoseinipour R. A Study of the Antiviral Effect of the Essential oil of *Zataria Multiflora Boiss* on Herpes Simplex Type 1 in Vero Cell Culture. *J Dent Shiraz Univ Med Scien* 2012; Supplement: 414-420.

38. Mortazavi S. M. J, **Motamedifar M**, Mehdizadeh A. R, Namdari G, Taheri M. The Effect of Pre-exposure to Radiofrequency Radiations Emitted from a GSM Mobile Phone on the Susceptibility of BALB/c Mice to *Escherichia coli*. *J Biomed Phys Eng* 2012; 2(4):139-146.
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40. Adl A, Shojaee NS, **Motamedifar M**. A Comparison between the Antimicrobial Effects of Triple Antibiotic Paste and Calcium Hydroxide Against *Enterococcus Faecalis*. *Iran Endod J*. 2012 Summer;7(3):149-55. Epub 2012 Aug 1.
41. Hassanzadeh P, Mardaneh Jalal, **Motamedifar M**. Conventional Agar-Based Culture Method, and Nucleic Amplification test (NAAT). *IRCMJ*. 2013;15(3):207-211.
42. Afsar Kazerooni P, Motazedian N, **Motamedifar M**, Sayadi M, Sabet M, Amini Lari M, Kianoush Kamali. The prevalence of human immunodeficiency virus and sexually transmitted infections among female sex workers in Shiraz, South of Iran: By respondent-driven sampling. *Int J STD AIDS*, July 19, 2013: [Epub ahead of print]
43. Mortazavi S.M.J, **Motamedifar M**, Namdari G, Taheri M, Mortazavi. A.R. Counterbalancing immunosuppression-induced infections during long-term stay of humans in space. *Journal of Medical Hypotheses and Ideas* (2013) 7, 8–10.
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45. Eskandarian T, **Motamedifar M**, Hekmatfar S, Tamaddon AM. Comparison of the Effect of Three Types of Iron Drops on Surface Roughness of Deciduous Teeth in a Simulated Cariogenic Environment. *J Dent Sch* 2013;30(5):275-282.
46. Sarhangi M, **Motamedifar M**, Sarvari J. Dissemination of *Pseudomonas aeruginosa* Producing blaIMP1, blaVIM2, blaSIM1, blaSPM1 in Shiraz, Iran. *Jundishapur J Microbiol*. 2013;6(7):e6920.
47. Mortazavi SMJ, **Motamedifar M**, Namdari G, Taheri M, Mortazavi AR Shokrpour N. NON-LINEAR ADAPTIVE PHENOMENA WHICH DECREASE THE RISK OF INFECTION AFTER PRE-EXPOSURE TO RADIOFREQUENCY RADIATION. Dose-Response, 2013: *In Press*.

Abstracts in conferences:

1. Firouzi R, **Motamedifar M**. Effect of heat & cold stress on humoral immunity in mice. XXXIIIth International Congress of Physiological Sciences, St. Petersburg, Russia, June 30- July 5 1997.
2. Kabiri M, **Motamedifar M**, Akbari S. The in vitro stimulation of measles virus & poliovirus type 1 replication by sodium valproate, “an anticonvulsant drug”. XIIth International Congress of Virology, Paris, France, July 27- August 1, 2002.
3. **Motamedifar M**, Parvizi M. The antibacterial effect of six herbal aqueous extracts on six gram positive bacterial pathogens. 15th International Congress of Geographic Medicine. Shiraz, Iran. December 9-11, 2002.
4. **Motamedifar M**, Pourkhosro. The antibacterial effects of six herbal aqueous extracts on some gram negative bacterial pathogens. The Fifth Iranian Congress of Microbiology, Ahwaz, Iran, Jan. 21-23, 2003.
5. Basiri E, Behroozian Sh, Farjadian Sh, **Motamedifar M**, Geramizadeh B. Clinical isolates variation among MDR acinetobacter species. The 11th Iranian Congress on Infectious Disease & Tropical Medicine, Tehran, Iran Feb 28- Mar 4, 2003.
6. **Motamedifar M**, Tannock G. Detection of telomerase activity in CEF cell culture infected with the different passages of Marek’s disease virus. 16th International Congress of Geographic Medicine, Advances in Basic & Clinical Oncology. Shiraz, Iran. December 1-4, 2003.
7. Behroozian Sh, Basiri E, Monabbati A, **Motamedifar M**. Patterns of drug resistance, and plasmid profile analysis of Acinetobacter strains causing nosocomial infections in Shiraz Nemazi Hospital. The Sixth Iranian Congress of Microbiology, Tehran, Iran, February. 21-23, 2004.
8. **Motamedifar M**, Kabiri M, Akbari S. Varying concentration & time-dependence of inhibition & stimulation of Herpes Simplex Virus type 1 replication by Sodium

Valproate, an anticonvulsant drug. ASM 2004 Sydney National Conference, Sydney, Australia, 26 September-1 October 2004.

9. **Motamedifar M**, Darbari MH. The effect of aqueous, alcoholic & chloroform extract of German Chamomile on some gram-positive & gram-negative bacteria. The 7th Iranian congress of Microbiology, Semnan, Iran, 1-3 February 2005.

10. Hadi N, **Motamedifar M**, Peyravi Sh. The effect of topical application of garlic, eucalyptus & borage extracts in prevention of postoperative skin infections in rabbits. The 7th Iranian congress of Microbiology, Semnan, Iran, 1-3 February 2005.

11. **Motamedifar M**, Handjani F, Hadi N, Shahkarami MK, Mehrabani D. Seroprevalence of Varicella-Zoster Virus in Children from Shiraz, Iran, 2002. 4th World Congress of The World Society For Pediatric Infectious Diseases, Warsaw, Poland, September 1-4, 2005.

12. **Motamedifar M**, Sabayan B, Karamifar K, Zamiri N. Viral infections: A five-year study in Shiraz, Iran. The 3rd Iranian Congress of Virology, Tehran, Iran, 21-23 Jan 2006.

13. Hashemizadeh Z. **Motamedifar M**, Ziyaian M, Torab-Jahromi, Kasraiyan, L. The study of Human Cytomegalovirus (HCMV) seroprevalence in healthy blood donors in Shiraz by ELISA test and its Comparison with PCR. The 3rd Iranian Congress of Virology, Tehran, Iran, 21-23 Jan 2006.

14. Kohansal Sh, **Motamedifar M**, The study of antibacterial effect of the aqueous and organic extracts of Henna (*Lawsonia inermis*). The 8th National congress of Microbiology, Isfahan, Iran, 23-25 May 2006.

15. **Motamedifar M**, Z. Hashemizadeh. Prevalent bacterial infections in newborn infants in intensive care nursery of Nemazee hospital, Shiraz, Iran 2002-2003. *Europaediatrics* 2006, Barcelona, Spain, October 7-10, 2006.

16. **Motamedifar M**, Parvin Hassanzadeh P. The Prevalence of *Campylobacter jejuni* in patients with gastroenteritis in Shiraz, Iran. *Europaediatrics* 2006, Barcelona, Spain, October 7-10,2006.
17. **Motamedifar M**, Eghtedari M, Talezadeh Shirazi P. The study of the incidence of rubella virus in children with congenital cataract in Shiraz, Iran, 2003-2005. First Iranian laboratory & Internal medicine (Lab-Med) Congress, Tehran, Iran ,January 11-14, 2007.
18. **Motamedifar M**, Askarian M, Borzuiiee L. Study of the contamination rate of Multi-dose vials in Shiraz Namazi and Martyr Faghihi educational hospitals, Shiraz, Iran, 2005. First Iranian laboratory & Internal medicine (Lab-Med) Congress, Tehran, Iran ,January11-14, 2007.
19. **Motamedifar M**, Eghtedari M. The incidence of rubella virus in children with congenital cataract in Shiraz, Iran. 5th World Congress of the World Society For Pediatric Infectious Diseases-WSPID, Bangkok, Thailand, November 15-18, 2007.
20. **Motamedifar M**, Hassanzadeh P, Hadi N. Study of the prevalent bacterial infections in the intensive care units of university hospitals, Shiraz, Iran. The 9th Iranian congress of Microbiology, Kerman, Iran,23-25 March 4-6, 2008.
21. **Motamedifar M**, Hassanzadeh P, Borzuiiee L.The prevalence of asymptomatic bacteriuria in long term care facility residents in Shiraz, southwest Iran: a cross-sectional study. The 9th Iranian congress of Microbiology, Kerman, Iran,23-25 March 4-6, 2008.
22. Taheri M, Khani S, Talezadeh Shirazi P, **Motamedifar M**. Evaluation of the laboratory personnel immunity against Hepatitis B virus working in the medical diagnostic laboratories in Shiraz, Iran. The 9th Iranian congress of Microbiology, Kerman, Iran,23-25 March 4-6, 2008.
23. **Motamedifar M**, Hassanzadeh Parvin. Relative frequency of bacterial infections in intensive care units of Shiraz University of Medical Sciences teaching hospital, Shiraz,

Iran. EAP 2008 - 2nd Congress of the European Academy of Paediatrics , Nice, France, October 24-28, 2008.

24. **Motamedifar M**, Noorafshan A , Karbalay-Doust S. Vero cell volume and surface increase 4 hours after infection with measles virus. 3rd Congress of European Microbiologists (FEMS 2009), Gothenburg, .June 28 - July 2, 2009.

25. **Motamedifar M**, Ebrahimpour A, Ghafari N and P. Talezadeh- Shirazi. Correlation between symptomatic reactivation of HSV infection and the serum levels of TNF- α and IL-10. 3rd Congress of European Microbiologists (FEMS 2009), Gothenburg, June 28 - July 2, 2009.

26. **Motamedifar M**, Saki M, Ghaderi A. Mouse Mammary tumor virus-like sequences in Iranian breast cancer patients compared with normal population. 3rd Congress of European Microbiologists (FEMS 2009), Gothenburg, Sweden, June 28 - July 2, 2009.

27. **Motamedifar M**, Kazerooni PA, Hassanabadi A, Sabet M, Ghafari. Demographic profile of HIV infected clients referring to the HIV referral center, Shiraz, Iran 2004-2009. XVIII international AIDS conference, Vienna , Austria, July 18-23 2010.

28. **Motamedifar M**, Amini E, Talezadeh Shirazi P, Ghafari N, Jamali N. Prevalent viral causative agents of acute gastroenteritis in children in Shiraz, Iran 2007-2009. 4th Congress of European Microbiology (FEMS 2011), Geneva, Switzerland, June 26-30 2011.

29. **Motamedifar M**, Bazargani A, Hosseini Farzad M, Namazi MR. Susceptibility of methicillin-resistant staphylococcus aureus to mandelic acid and its practical implications. 4th Congress of European Microbiology (FEMS 2011), Geneva, Switzerland, June 26-30 2011.

30. **Motamedifar M**, Afsar Kazerooni P, Hassanabadi A, Sabet M. Prevalence of hepatitis B virus and hepatitis C virus infections among HIV infected clients referred to HIV referral center, Shiraz, Iran. ASM 2012 Annual Scientific Meeting, Brisbane, Australia. July 1-4 2012.

31. **Mohammad M**, Mortazavi SMJ, Mohammadi AA, Zardosht M. Anti-bacterial effects of sodium bentonite, calcium bentonite and zeolite. ASM 2012 Annual Scientific Meeting, Brisbane, Australia. July 1-4 2012.

32. **Motamedifar M, Amini E, Sarvari J. Jamali N**. The prevalence of HBs antigen and Anti-HBs antibody among pregnant women in Fars province, southern of Iran. ASM 2012 Annual Scientific Meeting, Brisbane, Australia. July 1-4 2012.