

**CURRICULUM VITAE**  
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**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 Medical Bacteriology
- The Australian Society for Microbiology
- European Society of Clinical Microbiology & Infectious Diseases
- Editorial Board of Iranian Journal of Veterinary Research (IJVR)
- Member of Evaluation and Exams Board of Medical Bacteriology, Iranian Ministry of Health & Medical Education

### **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, Antibiotic sensitivity researches

### **Research Interests:**

- Herpes simplex virus
- Effect of different synthetic and herbal drugs on bacteria and viruses especially HSV
- Seroprevalence of viral infections
- Clinical and molecular diagnosis of different Bacteria and Viruses
- Antibiotic resistance & testing antibacterial candidates on bacteria
- Finding alternatives to antibiotics

### **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* 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. 4
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. **Motamdifar 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 LaSota pathogenic strain of Newcastle disease virus adapted in chick embryo fibroblast cells. Archives of Razi Institute. 2007; 62(1):7-13. 5
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.
22. 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.
23. Jarrahpour A, **Motamedifar M**, Zarei M, Mimouni M. Synthesis of new N-sulfonyl monocyclic  $\beta$ -lactams and the investigation of their antibacterial activities Phosphorus,sulfur and silican Phosphorus, Sulfur, and Silicon 2010, 185 (2): 287-297
24. 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 monoctcllc  $\beta$ -lactams. *Phosphorus, Sulfur, and Silicon* 2010,185 (2), 491-497. 6
25. **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.

26. **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.
27. Poorshahidi S, Davarmanesh M, Rezazadeh F, **Motamedifar M**, Ebrahimi H, Alipour A. In vitro inhibitory effects of chlorhexidine and Persica mouthwashes on HSV-1 compared with acyclovir. *Journal of Isfahan Dental School* 2011; 7 (1), 57-66.
28. 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.
29. 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.
30. 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.
31. Shishegar M, Faramarzi A, Kazemi T, Bayat A, **Motamedifar M**. Polymerase Chain Reaction, Bacteriologic Detection and Antibioqram of the Isolated bacteria in Otitis Media with Effusion in Children, Shiraz, Iran. *IJMS* 2011; 36(4):273-280.
32. **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. 7

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35. 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 Suseptibility of BALB/c Mice to *Escherichia coli*. *J Biomed Phys Eng* 2012; 2(4):139-146.
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37. Adl A, Shojaee NS, **Motamedifar M**. A Comparison between the Antimicrobial Effects of Triple Antibiotic Paste and Calcium Hydroxide Against *Entrococcus Faecalis*. *Iran Endod J*. 2012 Summer;7(3):149-55. Epub 2012 Aug 1.
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39. Hassanzadeh P, Mardaneh Jalal, **Motamedifar M**. Conventional Agar-Based Culture Method, and Nucleic Amplification test (NAAT). *IRCMJ*. 2013;15(3):207-211.
40. 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]

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43. 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.

44. 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.

45. 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 Jul 18;12(2):233-45

46. Adl A, **Motamedifar M**, Shams MS, Mirzaie A. Clinical investigation of the effect of calcium hydroxide intracanal dressing on bacterial lipopolysaccharide reduction from infected root canals *Aust Endod J*. 2013 Dec 13. doi: 10.1111/aej.12054.

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51. Modarresi F, Azizi O, Shakibaie MR, **Motamedifar M**, Mosadegh E, Mansouri S. Iron limitation enhances acyl homoserine lactone (AHL) production and biofilm formation in clinical strains of *Acinetobacter baumannii*. *Virulence*. 2015 Jan 26:0.
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58. **Motamedifar M**, Ebrahim-Saraie HS, Abadi AR, Moghadam MN. First Outcome of MDR-TB among Co-Infected HIV/TB Patients from South-West Iran. *Tuberc Respir Dis (Seoul)*. 2015 Jul;78(3):253-7. doi: 10.4046/trd.2015.78.3.253.
59. Nozari A, **Motamedifar M**, Seifi N, Hatamizargaran Z, Ranjbar MA. The Effect of Iranian Customary Used Probiotic Yogurt on the Children's Salivary Cariogenic Microflora. *J Dent (Shiraz)*. 2015 Jun;16(2):81-6.
60. Derakhshandeh A, Firouzi R, **Motamedifar M**, Arabshahi S, Novinrooz A, Boroojeni AM, Bahadori M, Heidari S. Virulence Characteristics and Antibiotic Resistance Patterns among Various Phylogenetic Groups of Uropathogenic *Escherichia coli* Isolates. *Jpn J Infect Dis*. 2015;68(5):428-31. doi: 10.7883/yoken.JJID.2014.327.
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66. Rezazadeh F, Moshaverinia M, **Motamedifar M**, Alyaseri M. Assessment of Anti HSV-1 Activity of Aloe Vera Gel Extract: an In Vitro Study. *J Dent (Shiraz)*. 2016 Mar;17(1):49-54.
67. Modarresi F, Azizi O, Shakibaie MR, **Motamedifar M**, Mansouri S Cloning and expression of quorum sensing N-acyl-homoserine synthase (LuxI) gene detected in *Acinetobacter baumannii*. *Iran J Microbiol*. 2016 Apr;8(2):139-46.
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Parvizi Mashhadi MH, **Motamedifar M.**, Rafati Zomorodi A. Oral presentation. Identification of Integrons and ESBL Genes in Shigella Sonnei Isolates in Shiraz, Southwestern Iran. 17th Professor Alborzi International Congress of Clinical Microbiology. Mashhad, Iran. November 5-7, 2024. doi 10.22038/psj.2024.25426

**Motamedifar M.** Oral presentation. Overview of Bacterial Etiology and Diagnostic Microbiology in patients with Community-Acquired Pneumonia (CAP). 18th Professor Alborzi International Congress of Clinical Microbiology. Shiraz, Iran. October 21-23, 2025.