



Isfahan University of Medical Sciences

Curriculum Vitae (CV)

Davood Mansury



12.January. 1983

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***Assistant Professor of Medical Bacteriology, Isfahan
University of Medical Sciences***



Education

Ph.D

Medical Bacteriology, Mashhad University of Medical Sciences, Faculty of Medicine, Mashhad-Iran, 2014 – 2018

Thesis: " Preparation and characterization of liposomal formulations containing HspX, PPE44 and EsxV fusion protein Mycobacterium tuberculosis for the design of subunit vaccine and its immunization after injection into mice"

Supervisors: Dr. Kiarash Ghazvini and Mahmoud Reza Jafari, Thesis Mark: 19.60



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Master of sciences (MS):

Medical Microbiology, Shiraz University of Medical Sciences, Faculty of Medicine, Shiraz, Iran, 2011-2014

Thesis: " Pattern of antibiotic susceptibility and identification of extended spectrum beta-lactamases (ESBLs) CTX-M, SHV, PER and TEM in *Klebsiella pneumoniae* isolates from teaching hospitals in

Shiraz"

Supervisors: Dr. Mohammad Motamedifar, Thesis Mark: 19 :19

Bachelor students (BS):

Biology, Payame Noor University of Isfahan, Department of Biology, Isfahan, Iran, 2007-2011

Honors and executive backgrounds

- The top student in Ph.D. with an average of 18.92
- The top student in Ph.D. comprehensive exam with score of 19.2
- The member of Education Development Center (EDC), Varastegan Institute for Medical Sciences, Mashhad, Iran in 1396
- The director of Education Development Center (EDC), Varastegan Institute for Medical Sciences, Mashhad, Iran from 1397
- Editorial Board Member (Executive Director) of Journal of Emprical Health Research

Teaching Experience

1. Medical Bacteriology: Practical Courses. **Medical Students, Dental Students, Pharmacy students**, Shiraz University of Medical Sciences, Faculty of Medicine. Shiraz, Iran (2012 – 2014)
 2. Medical Bacteriology: Practical Course. **Medical Students, Dental Students, Pharmacy students**, Mashhad University of Medical Sciences, Faculty of Medicine. Mashhad, Iran (2014 – 2018)
 3. Antibiotics and the mechanism of microbial resistance, Theoretical and Practical Courses, **MSc Medical Microbiology students**, Mashhad. University of Medical Sciences, Faculty of Medicine. Mashhad, Iran (2017– 2018)
 4. General Microbiology, Theoretical and Practical Courses, **Medical Laboratory Science Students**, Varastegan institute for Medical Sciences. Mashhad, Iran(2015 – Present)
 5. Medical virology, Theoretical and Practical Courses, **Medical Laboratory Science Students**, Varastegan institute for Medical Sciences. Mashhad, Iran (2016 – Present)
 6. General Microbiology, Theoretical and Practical Courses **Nutrition science Students**, Varastegan institute for Medical Sciences. Mashhad, Iran (2017 – Present)
 7. Microbiology, Theoretical and Practical Courses, **Operating room students**, Mashhad
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University of Medical Sciences, School of Nursing and Midwifery, Mashhad, Iran (2018)

8. Bacteriology and parasitology, Theoretical and Practical Courses, **Midwifery students**, Mashhad University of Medical Sciences, Mashhad, Iran (2017)
9. Pathogens and infectious diseases, Theoretical Course, **Health Information Technology (HIT) Students**, Varastegan institute for Medical Sciences. Mashhad, Iran (2018)
10. Microbiology, Theoretical and Practical Courses, **Public Health Students**, Mashhad University of Medical Sciences, School of Public Health. Mashhad, Iran (2018)

Research Experience

1. Frequency of Antibiotic Resistance and Frequency of VIM, IMP in *Klebsiella pneumoniae* isolates in Patients Admitted to Shiraz Educational Hospitals in 2012-2013- code 5393
2. Identification of Non-tuberculous Mycobacteria (NTM) by hsp65-PRA and rpoB Sequencing – code 911236
3. Evaluation of Tigecycline resistant *Acinetobacter baumannii* mediated by the contribution of efflux pumps and tetX1 in Iran- code 931486
4. Prevalence of *Acinetobacter baumannii* possessing Aminoglycosides resistance gene in referral health centers of Iran- code 940428
5. Preparation and characterization of liposomal formulations containing HspX, PPE44 and EsxV fusion proteins *Mycobacterium tuberculosis* for the design of subunit vaccine and its immunization after injection into mice- code 950178
6. Antibacterial efficacy and time killing assay of three antimicrobial recombinant peptides Tachyplesin, Thanatin and bacteriocin enterocin P against *Enterococcus faecalis*- code 971085
7. Antibacterial efficacy and time killing assay of three antimicrobial recombinant peptides Lasioglossin, Thrombocidin and lactoferrampin-lactoferricin against *Enterococcus faecalis*- code 970998

Research Interests

1. Molecular detection of pathogenic bacteria
2. Antibiotic Resistance
3. Antimicrobial peptides
4. Antimicrobial herbal compounds
5. Molecular epidemiology of bacteria

Publications

Books

1. Essentials of Medical Bacteriology (General), Authors: Davood Mansury and Mohammad Sadegh Damavandi (in print)
2. Alphabets of Medical Virology, Authors: Davoud Mansury and Kiana Book (in print)
3. Alphabets of General Microbiology, Authors: Davood Mansury and Omidpour Esmaeel (in



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print)

Journal Publications

1. **Mansury D**, Ghazvini K, Jamehdar SA, Badiee A, Tafaghodi M, Nikpoor AR, Amini Y, Jaafari MR. Enhancement of the effect of BCG vaccine against tuberculosis using DDA/TDB liposomes containing a fusion protein of HspX, PPE44, and EsxV. *Artificial cells, nanomedicine, and biotechnology*. 2019;47(1): 370–377.
2. Tanhaeian A, Damavandi MS, **Mansury D**, Ghazvini K. Expression in eukaryotic cells and purification of synthetic gene encoding enterocin P: a bacteriocin with broad antimicrobial spectrum. *AMB Express*. 2019;9(1):6.(**Corresponding author**)
3. **Mansury D**, Ghazvini K, Amel Jamehdar S, Badiee A, Tafaghodi M, Nikpoor AR, Jaafari M. Increasing cellular immune response in liposomal formulations of DOTAP encapsulated by fusion protein HspX, PPE44, and EsxV, as a potential tuberculosis vaccine candidate. *Reports of Biochemistry and Molecular Biology*. 2019;7(2):156-66.
4. Salimzand H, Zomorodi AR, **Mansury D**, Khakshoor M, Azizi O, Khodaparast S, Baseri Z, Karami P, Zamanlou S, Farsiani H. Diversity of aminoglycoside modifying enzymes and 16S rRNA methylases in *Acinetobacter baumannii* and *Acinetobacter nosocomialis* species in Iran; wide distribution of aadA1 and armA. *Infection, Genetics and Evolution*. 2018;66:195-9.
5. Aryan E, Haghani-Nasimi A, Derakhshan M, **Mansouri D**, Meshkat Z, Yousefi M. Isolation of nontuberculous mycobacteria from in-use waters of burns and haemodialysis hospital units. *Eur Respiratory Soc*; 2018. 52: PA1189; DOI: 10.1183/13993003.congress-2018.PA1189
6. NaserianMoghadam R, Roodbari F, NaderiNasab M, **Mansouri D**, Mirbagheri SZ, Gholoobi A, Hooshyarchichaklu A. The Frequency of VIM 2, 3, 9, 11 and VIM all among Metallo-beta-Lactamase Producing *Pseudomonas aeruginosa*. *scientific journal of ilam university of medical sciences*. 2018;26(4):43-52.
7. Ghavidel M, **Mansury D**, Nourian K, Ghazvini K. The most common spoligotype of *Mycobacterium bovis* isolated in the world and the recommended loci for VNTR typing; A systematic review. *Microbial pathogenesis*. 2018; 118:310-315.
8. **Mansury D**, Ghavidel M, Ghazvini K. Latent tuberculosis infection in health care workers. *Tehran University Medical Journal*. 2018; 75(10):708-14.
9. **Mansury D**, Khaledi A, Ghazvini K, Sabbagh MG, Zare H, Rokni-Hosseini MH, Vazini H. Study of Bacterial Infections Among Patients Receiving Kidney Transplant in Mashhad, Iran. *Experimental and clinical transplantation: official journal of the Middle East Society for Organ Transplantation*. 2017; 16(3):282-286.



10. Meshkat Z, Salimizand H, Amini Y, Khakshoor M, **Mansouri D**, Farsiani H, Ghazvini K, Najafi A. Molecular characterization and genetic relatedness of clinically *Acinetobacter baumannii* isolates conferring increased resistance to the first and second generations of tetracyclines in Iran. *Annals of clinical microbiology and antimicrobials*. 2017; 16(1):51.
11. Ebrahim-Saraie HS, Motamedifar M, **Mansury D**, Halaji M, Hashemizadeh Z, Ali-Mohammadi Y. Bacterial Etiology and Antibacterial Susceptibility Patterns of Pediatric Bloodstream Infections: A Two Year Study From Nemazee Hospital, Shiraz, Iran. *Journal of Comprehensive Pediatrics*. 2016; 7(1): e29929.
12. Khaledi A, Bahador A, Esmaeili D, Tafazoli A, Ghazvini K, **Mansury D**. Prevalence of nontuberculous mycobacteria isolated from environmental samples in Iran: A meta-analysis. *Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences*. 2016; 21:58
13. **Mansury D**, Motamedifar M, Sarvari J, Shirazi B, Khaledi A. Antibiotic susceptibility pattern and identification of extended spectrum β -lactamases (ESBLs) in clinical isolates of *Klebsiella pneumoniae* from Shiraz, Iran. *Iranian journal of microbiology*. 2016; 8(1):55.
14. Hadi Safdari Ehsan Aryan, **Davoud Mansouri**, Davoud Bordbar, Amir-Hooshang Alvandi, Abdolrazagh Hashemi-Shahraki. Molecular identification of nontuberculous mycobacteria isolated from patients in northeast Iran. *European Respiratory Journal*, 2016; 48: PA4259; DOI: 10.1183/13993003.congress-2016.PA4259
15. Ebrahim-Saraie HS, Motamedifar M, **Mansury D**, Ebrahimi H, Pourshahidi S, Halaji M, et al. Association of *Fusobacterium* Isolation From Periodontal Pockets With Halitosis and the Related Risk Factors in Shiraz, Iran. *Archives of Clinical Infectious Diseases*. 2015; 10(4) : e28544.
16. Motamedifar M, Ebrahim-Saraie HS, **Mansury D**, Khashei R, Hashemizadeh Z, Rajabi A. Antimicrobial Susceptibility Pattern and Age Dependent Etiology of Urinary Tract Infections in Nemazee Hospital, Shiraz, South-West of Iran. *Int J Enteric Pathog*. 2015; 3(3):e26931.
17. Motamedifar M, Ebrahim-Saraie HS, **Mansury D**, Nikokar I, Hashemizadeh Z. Prevalence of Etiological Agents and Antimicrobial Resistance Patterns of Bacterial Meningitis in Nemazee Hospital, Shiraz, Iran. *Archives of Clinical Infectious Diseases*. 2015; 10(2).
18. Motamedifar M, **Mansury D**, Sedigh Ebrahim-Saraie H, Sarvari J. Comparison of phenotypic detection of extended spectrum beta-lactamases using the E-test ESBL and combined disk method clinical isolates of *Klebsiella pneumoniae*: brief report. *Tehran University Medical Journal TUMS Publications*. 2015; 73(4):297-302.



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19. Motamedifar M, Sarai HSE, **Mansury D**. Patterns of Constitutive and Inducible Clindamycin Resistance in Staphylococcus aureus Isolated from Clinical Samples by D-test Method, Shiraz, Southwest of Iran. Galen Medical Journal. 2014; 3(4):216-21.
20. Motamedifar M, Sedigh H, **Mansury D**, Rajabi A. the effect of chloroform extract of german chamomile (matricaria recutita) on escherichia coli infected mice. International Journal of Pharmacognosy, 2014; 1(1): 39-44.

Journal Papers in Review

1. The combined effect of shallot extract with common antibiotics against multi-drug-resistant bacteria using checkerboard technique

Presentations

1. Aryan E, Haghani-Nasimi A, Derakhshan M, **Mansouri D**, Meshkat Z, Yousefi M. Isolation of nontuberculous mycobacteria from in-use waters of burns and haemodialysis hospital units. 2nd International Congress on Biomedicine ICB 2018 .24-27 December 2018; Tehran- Iran.
2. Ghavidel M, **Mansury D**, Ghazvini K, the most common spoligotype of mycobacterium bovis isolated in the world and the recommended loci for vntr typing; a systematic review/. 18th International Iranian Congress of Microbiology; 29-31 August 2017; Tehran- Iran.
3. Aryan E, **Mansouri D**, safdari H, bordbar D, Molecular identification of nontuberculous mycobacteria isolated from patients in northeast Iran. European Respiratory Society 2016 International Congress; 3-7 September 2016; London-England.
4. **Mansury D**, Ghavidel M, Najafi A, Ghazvini K, latent tuberculosis infection in health care workers (hcws) in iran- review article. the 17th International Iranian Congress of Microbiology; 23-25 August 2016; Tehran-Iran.
5. Ghavidel M, **Mansury D**, Ghazvini K, The prevalence of brucellosis in patients referred to the ghaem hospital during 2015-2016/ mashhad, northeast iran. 17th International Iranian Congress of Microbiology; 23-25 August 2016; Tehran- Iran.
6. **Mansury D** ,Motamedifar M, Sarvari J, Shirazi B, Antibiotic Susceptibility Pattern And Identification Of Extended Spectrum Beta-Lactamases (ESBL) CTX-M ,SHV, PER And TEM In Klebsiella Pneumoniae Isolates From Teaching Hospitals In Shiraz Iran (2013). 15th International Iranian Congress of Microbiology; 26- 28 August 2014; Tehran-Iran
7. Ebrahim Sarie HS, **Mansury D**, Motamedifar M, Relationship between Fusobacterium isolation from periodontal pockets and halitosis. 15th International Iranian Congress of



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Microbiology; 26-28 August 2014; Tehran-Iran.

8. **Mansury D**, Ebrahim Sarie HS, Zalipoor M, Motamedifar M, Constitutive and inducible clindamycin resistance incidence in *Staphylococcus aureus* isolated from clinical samples. 14th International Iranian Congress of Microbiology; 28 -30 August 2013; Tehran -Iran.
9. Ebrahim Sarie HS, **Mansury D**, Pirbonyeh N, Motamedifar M, The effect of chloroform extracts of german chamomile on *Escherichia coli* infected mice. 14th International Iranian Congress of Microbiology; 28 -30 August 2013; Tehran -Iran.
10. **Mansury D**, Ebrahim Sarie HS, Hashemizadeh Z, Motamedifar M, Isolated agents of acute bacterial meningitis and their antimicrobial profiles in Namazi Hospital, Shiraz, Iran, 2012-2013. 14th International Iranian Congress of Microbiology; 28 -30 August 2013; Tehran -Iran.
11. Ebrahim Sarie HS, **Mansury D**, Hashemizadeh Z, Motamedifar M, Nakhzari Moghadam M, Bacterial agents and their antibiotic susceptibility profiles of neonatal septicemia. 14th International Iranian Congress of Microbiology; 28 -30 August 2013; Tehran -Iran.
12. Ebrahim Sarie HS ,**Mansury D**, Hashemizadeh Z, Motamedifar M ,Rokni Hosseini S.Mh .Bacterial pathogens and their antibacterial sensitivity profiles of urinary tract infections in Namazi Hospital, Shiraz, Iran, 2012-2013. 7th Iranian Congress Of Clinical Microbiology; 19-21 October , 2013; Shiraz -Iran.
13. Kooti S, **Mansury D**, Taheripour Sisakht M, Motamedifar M, Detection of antibiotic resistance and prevalence of *klebsiella pneumonia* carrying metallo- beta-lactamases (MBLs) strains isolated from hospitalized patients in Shiraz hospitals, Shiraz, Iran, 2012-2013. 7th Iranian Congress Of Clinical Microbiology; 19-21 October , 2013; Shiraz -Iran.
14. **Mansury D**, EbrahimSarie HS, ,Zalipoor M,Motamedifar M, Phenotypic detection of *Klebsiella pneumonia* carbapenemase producing isolates by modified Hodgetest,Shiraz,Iran 2012 – 2013. the 2nd Iranian Congress of Medical Bacteriology; 2- 4 October 2013; Tehran-Iran.

Oral presentation

1. **Mansury D**, Ghazvini K, Sabbagh M,khaledi A, editor Study of bacterial infections in patients receiving kidney transplant- Mashhad,Iran. International Congress of Transplantation & Implantation; 17-20 November 2015; Mashhad-Iran.

Professional Training



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Workshop

1. "Principles of standard PowerPoint and Lesson Plan" Varastegan Institute for medical sciences , Mashhad ,Iran,2018
2. "Sampler repair and calibration"Varastegan Institute for medical sciences , Mashhad ,Iran,2018
3. " Teaching lectures and expressions" Varastegan Institute for medical sciences , Mashhad ,Iran,2017
4. "New teaching methods" Varastegan Institute for medical sciences , Mashhad ,Iran,2016
5. "New teaching methods" Mashhad University of Medical Sciences, Mashhad ,Iran,2017
6. "Educational planning with emphasis on lesson plans" Varastegan Institute for medical sciences , Mashhad ,Iran,2017
7. " desirability Indicators of examinations " Varastegan Institute for medical sciences , Mashhad ,Iran,2017
8. "Safety and protection in biomedical laboratories" Shiraz University of Medical Sciences, Mashhad ,Iran,2012
9. " Sampling method and sample size calculation " Shiraz University of Medical Sciences, Mashhad ,Iran,2011
10. " Endnote X5" Shiraz University of Medical Sciences, Mashhad ,Iran,2011

Patent

Membership

Community Service

Organization [Title/Position/Duty], [Location], Dates

1. Assistant Professor of Medical Bacteriology, Varastegan Institute for Medical Sciences
2. clinical laboratory, Namazi Hospital, Shiraz from 30.11.2001 to 30.11.2012
3. clinical laboratory, Shooshtari Hospital, Shiraz from 04.02.2012 to 20.05.2013

Technical Lab skills

1. Microbiological diagnostic tests
2. Immunoassay (ELISA, Western blot)
3. Electrophoresis (Agarose, PAGE, SDS-PAGE)
4. PCR Methods: PCR-RFLP, Colony PCR and
5. Cloning and expression
6. Genome extraction methods

Languages

Reading and writing is moderate - MSRT (62)

Computer Skills

Word, PowerPoint, Excel, EndNote, Graph Pad Prism ,SPSS, Moodle-VISIO –Camtasia



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References

- *Prof. Mohammad Motamedifar*
 - *Associate Professor. Kiarash Ghazvini*
 - *Prof. Mahmoud Reza Jafari*
 - *Prof. Abdol Reza Varasteh*
-