

Curriculum vitae

1- Personal information

	First name	Davood	Last name	Kalantar-Neyestanaki
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	Address	Department of Microbiology and Virology, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran, Tel/Fax: +98 34 3325 7665		

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Status:

Date of Birth: 1st Sep./1983

Married

2-Academic Qualifications

2-1-Medical Laboratory Science (BSc), Tabriz University of Medical Sciences, Tabriz, Iran (2007).

2-2-Medical Microbiology (MSc), Kerman University of Medical Sciences, Kerman, Iran (2010).

2-3-Medical Bacteriology (Ph.D), Tehran University of Medical Sciences, Tabriz, Iran (2014).

2-4-Fellowship in Medical Education, Kerman University of Medical Sciences, Kerman, Iran (2016).

3-Academic Position

3-1-Assistant Professor, Department of Microbiology and Virology, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran.

3-2-Head of Student Research Committee, Kerman University of Medical Sciences, Kerman, Iran.

4-Teaching Interests

4-1-Clinical Microbiology

4-2-Mechanism of Antibiotics

4-3-Antibiotic Resistance

4-4-Nosocomial Infections

4-5-Molecular Typing

4-6-Bacterial Pathogenesis

4-7-Molecular Genetics of Bacteria

5-Research Interests

5-1-Phenotypic and Molecular Detection of Antibiotic Resistance

5-2-Molecular Typing in Clinical Microbiology

5-3-Nanotechnology in Clinical Microbiology

5-4-Molecular Diagnostics of Infectious Diseases

5-5-Gene Expression

6-Lab Experience

6-1-Detection of ESBLs, MBLs, AmpC, MRSA, ...

6-2-PCR, PCR-RFLP, RAPD-PCR, ERIC-PCR, Real time-PCR, HRM, MLVA, MLST, DNA Sequencing, PFGE, Western blot,...

6-3-Bioinformatics tools and software

7-Teaching in International Workshop

7-1-Application of Real Time-PCR for determination of gene expression. 15th *International Iranian congress of Microbiology, Tehran, Iran. (2014).*

7-2-Detection of AmpC, ESBLs, MBLs and Carbapenemase in Gram negative bacteria by phenotypic method. 15th *International Iranian congress of Microbiology, Tehran, Iran. (2014).*

8-Lecture

8-1-Evaluation of Resistance to Imipenem among *Klebsiella pneumoniae*, *Escherichia coli* and *Pseudomonas aeruginosa* Producing Extended Spectrum β -

lactamase Isolated From Kerman, Iran. *10th International Iranian congress of Microbiology, Ilam, Iran.* (2009).

8-2-Evaluation of intrinsic and acquired mechanisms of resistance to β -lactam antibiotics in *Pseudomonas aeruginosa* isolated from Cystic Fibrosis patients. *16th International Iranian congress of Microbiology, Tehran, Iran.* (2015).

8-3- Genomic comparison of two vancomycin-resistant *Staphylococcus aureus* isolates from Kerman, Iran. *18th International Iranian congress of Microbiology, Tehran, Iran.* (2017).

9- Publications

1. Alizade H, Jajarmi M, Aflatoonian MR, **Kalantar-Neyestanaki D**, Shoja S, Ghanbarpour R. Comparative Prevalence of *bla*_{CTX-M-15} Gene with Virulence Genes and Serotypes in *Klebsiella pneumoniae*. (In Press) DOI: 10.5812/jjm.61285.
2. Seyedi Marghaki F, **Kalantar-Neyestanaki D**, Saffari F, Hosseini-Nave H, Moradi M. Distribution of Aminoglycoside-Modifying Enzymes and Molecular Analysis of the Coagulase (*coa*) Gene in Clinical Isolates of Methicillin-Resistant and Methicillin Susceptible *Staphylococcus aureus*. Microbial Drug Resistance 2018(In Press) DOI: 10.1089/mdr.2017.0121.
3. Hashemizadeh Z, **Kalantar-Neyestanaki D**, Mansouri S. Clonal relationships, antimicrobial susceptibilities, and molecular characterization of extended-

spectrum beta-lactamase-producing *Escherichia coli* isolates from urinary tract infections and fecal samples in Southeast Iran. *Revista da Sociedade Brasileira de Medicina Tropical*. 2018 ;51(1):44-51.

4. Ghanavati R, Emaneini M, **Kalantar-Neyestanaki D**, Maraji AS, Dalvand M, Beigverdi R, Jabalameli F. Clonal relation and antimicrobial resistance pattern of extended-spectrum β -lactamase-and AmpC β -lactamase-producing *Enterobacter* spp. isolated from different clinical samples in Tehran, Iran. *Revista da Sociedade Brasileira de Medicina Tropical*. 2018;51(1):88-93.

5. Fasihi Y, Saffari F, Mansouri S, **Kalantar-Neyestanaki D**. The emergence of vancomycin-resistant *Staphylococcus aureus* in an intensive care unit in Kerman, Iran. *Wiener Medizinische Wochenschrift*. 2018;168(3-4):85-8.

6. Ahmadrajab R, **Kalantar-Neyestanaki D**, Fasihi Y. Molecular Analysis of Immune Evasion Cluster (IEC) Genes and Intercellular Adhesion Gene Cluster (ica) Among Methicillin-Resistant and Methicillin-Sensitive Isolates of *Staphylococcus aureus*. *Journal of Preventive Medicine and Hygiene*. 2017 ;58(4):308.

7. Fasihi Y, Fooladi S, Mohammadi MA, Emaneini M, **Kalantar-Neyestanaki D**. The *spa* typing of methicillin-resistant *Staphylococcus aureus* isolates by High Resolution Melting (HRM) analysis. *Journal of medical microbiology*. 2017;66(9):1335-7.

8. Fasihi Y, Kiaei S, **Kalantar-Neyestanaki D**. Characterization of SCCmec and spa types of methicillin-resistant Staphylococcus aureus isolates from health-care and community-acquired infections in Kerman, Iran. Journal of epidemiology and global health. 2017;7(4):263-7.
9. Bakhtiar R, Abdolmohammadi A, Hajarian H, Nikousefat Z, **Kalantar-Neyestanaki D**. Investigation of the 5' flanking region and exon 3 polymorphisms of IGF-1 gene showed moderate association with semen quality in Sanjabi breed rams. Theriogenology. 2017;104:186-91.
10. Hashemizadeh Z, **Kalantar-Neyestanaki D**, Mansouri S. Association between virulence profile, biofilm formation and phylogenetic groups of Escherichia coli causing urinary tract infection and the commensal gut microbiota: A comparative analysis. Microbial pathogenesis. 2017;110:540-5.
11. Ghasemi FS, Eshraghi SS, Andalibi F, Hooshyar H, **Kalantar-Neyestanaki D**, Samadi A, Fatahi-Bafghi M. Anti-Bacterial Effect of Propolis Extract in Oil Against Different Bacteria. Zahedan Journal of Research in Medical Sciences. 2017;19(3).
12. Mirsalehian A, **Kalantar-Neyestanaki D**, Taherikalani M, Jabalameli F, Emaneini M. Determination of carbapenem resistance mechanism in clinical isolates of Pseudomonas aeruginosa isolated from burn patients, in Tehran, Iran. Journal of epidemiology and global health. 2017;7(3):155-9.

13. Mohabi S, **Kalantar-Neyestanaki D**, Mansouri S. Inhibition of quorum sensing-controlled virulence factor production in *Pseudomonas aeruginosa* by *Quercus infectoria* gall extracts. *Iranian journal of microbiology*. 2017;9(1):26.
14. Seyedi Marghaki F, **Kalantar-Neyestanaki D**, Safaari F, Fasihi Y, Moradi M. Frequency of Aminoglycoside-Resistance Genes in Methicillin Resistant *Staphylococcus Aureus* Isolated from Clinical Specimens. *Journal of Mazandaran University of Medical Sciences*. 2017;27(153):112-7.
15. Hashemizadeh Z, **Kalantar-Neyestanaki D**, Mansouri S. Correlation Between *hlyA* and *cnf1* Virulent Genes with Antibiotic Resistance and non-ESBLs *Escherichia coli* Isolates Collected from Patient with Urinary Tract Infections in Kerman, Iran. *Archives of Pediatric Infectious Diseases*. 2017;5(4).
16. Bakhtiar R, Abdolmohammadi A, Hajarian H, Nikousefat Z, **Kalantar-Neyestanaki D**. Identification of g. 170G> A and g. 332G> A mutations in exon 3 of leptin gene (*Bcln* and *Cail*) and their association with semen quality and testicular dimensions in Sanjabi rams. *Animal reproduction science*. 2017;179:49-56.
17. **Kalantar-Neyestanaki D**, Koshesh M, Hashemizadeh Z, Mansouri S, Bahador A, Savari M. The β -Lactamase Disk Test: A Modified Method to Detect Extended-Spectrum- β -Lactamases in Multidrug-Resistant *Escherichia coli* Isolates. *Archives of Clinical Infectious Diseases*. 2017;12(1): e39070.

18. Fasihi Y, Saffari F, Ghahraman MRK, **Kalantar-Neyestanaki D**. Molecular Detection of Macrolide and Lincosamide-Resistance Genes in Clinical Methicillin-Resistant *Staphylococcus aureus* Isolates from Kerman, Iran. Archives of Pediatric Infectious Diseases. 2017;5(1): e37761
19. Koshesh M, Mansouri S, Hashemizadeh Z, **Kalantar-Neyestanaki D**. Identification of extended-spectrum β -lactamase genes and AmpC- β -lactamase in clinical isolates of *Escherichia coli* recovered from patients with urinary tract infections in Kerman, Iran. Archives of Pediatric Infectious Diseases. 2017;5(2):e37968.
20. **Kalantar-Neyestanaki D**, Mirsalehian A, Jabalameli F, Fatahi-Bafghi M, Mansouri S. The Importance of Extended-Spectrum β -lactamases in Gram-Negative Enteric Bacilli and the Phenotypic Methods of detection. Journal of Kerman University of Medical Sciences 2016; 23(3): 380-405.
21. **Kalantar-Neyestanaki D**, Jabalameli F, Mirsalehian A, Emaneini M. Evaluation of the β -Lactamase Disk Test Method in the Detection of Extended-Spectrum- β -Lactamases in Clinical Isolates of Multidrug-Resistant *Pseudomonas aeruginosa*. Journal of Kerman University of Medical Sciences 2016; 23(1): 1-11.
22. **Kalantar-Neyestanaki D**, Emaneini M, Jabalameli F, Taherikalani M, Mirsalehian A. IS*Ppu22*, a novel insertion sequence in the *oprD* porin gene of a

carbapenem-resistant *Pseudomonas aeruginosa* isolate from a burn patient in Tehran, Iran. *Iran J Microbiol* 2015;7(5):247-250.

23. Rezaei F, **Kalantar D**, Delfani S, Feizabadi MM. Characterization co-existence of AmpC, MBLs, TEM and SHV type of β -lactamases in clinical strains of *Escherichia coli* and *Klebsiella pneumoniae* isolated from hospitals of Khorramabad, Iran. *Tropical Medicine & International Health* 2015; 20: 295.

24. **Kalantar-Neyestanaki D**, Fatahi Bafghi D. The Modified Hodge Test: Is it an appropriate method for detection of KPC enzyme or not? *Iran J Microbiol* 2015;7(2):123-124.

25. **Kalantar Neyestanaki D**, Mirsalehian A, Rezagholizadeh F, Jabalameli F, Taherikalani M, Emameini M. Determination of extended spectrum beta-lactamases, metallo-beta-lactamases and AmpC-beta-lactamases among carbapenem resistant *Pseudomonas aeruginosa* isolated from burn patients. *Burns* 2014;40(8):1556-1561.

26. Mirsalehian A, **Kalantar-Neyestanaki D**, Nourijelyani K, Asadollahi K, Taherikalani M, Emameini M, Jabalameli F. Detection of AmpC- β -lactamases producing isolates among carbapenem resistant *P. aeruginosa* isolated from burn patient. *Iran J Microbiol* 2014;6(5):306-310.

27. Mansouri S, **Kalantar-Neyestanaki D**, Shokoohi M , Halimi S, Beigverdi R, Rezagholezadeh F, Hashemi A. Characterization of AmpC, CTX-M and MBLs types of β -lactamases in clinical isolates of *Klebsiella pneumoniae* and *Escherichia coli* producing Extended Spectrum β -lactamases in Kerman, Iran. *Jundishapur J Microbiol* 2014;7(2):e8756.
28. Fatahi Bafghi M, Heidarieh P, Habibnia S, Rasouli-Nasab M, **Kalantar-Neyestanaki D**, Afshar D, Eshraghi SS. Phenotypic and molecular properties of the *Nocardia* species. *Avecinna J Clin Microb Infect* 2014;1(1);e19215.
29. Jabalameli F, **Kalantar-Neyestanaki D**, Asadollahi K, Taherikalani M, Emameini M. Reply to: Molecular methods require for confirmation *bla*_{AIM} (Adelaide imipenemase) producing *Pseudomonas aeruginosa*. *Burns* 2014;40(7):1419-20.
30. **Kalantar-Neyestanaki D**, Jabalameli F, Asadollahi K, Taherikalani M, Emameini M. Reply to: Differentiation between KPC and IMP carbapenemase need phenotypic and genotypic methods. *Burns* 2014;6(40):1242-1243.
31. Emameini M, Bigverdi R, **Kalantar D**, Soroush S, Jabalameli F, Noorazar Khoshgnab B, Asadollahi P, Taherikalani M. Distribution of genes encoding tetracycline resistance and aminoglycoside modifying enzymes in *Staphylococcus*

aureus strains isolated from a burn center. *Ann Burns Fire Disasters* 2013;26(2):76-80.

32. **Kalantar D**, Jabalameli F, Emaneini M. The Modified Hodge Test for identification of *Klebsiella pneumoniae* carbapenemase producing isolates. *Burns* 2013;2(39):370-371.

33. Hashemi A, Shams S, **Kalantar D**, Taherpour A, Barati M. Antibacterial effect of Methanolic extract of *Camellia Sinensis* L. on *Pseudomonas aeruginosa* strains producing β -lactamases. *Journal of Gorgan University of Medical Sciences* 2012;14 (1):136-142.[Persian].

34. Mansouri S, **Kalantar D**, Asadollahi P, Taherikalani M, Emaneini M. Characterization of *Klebsiella pneumoniae* strains producing extended spectrum beta-lactamases and AmpC type beta-lactamases isolated from hospitalized patients in Kerman, Iran. *Roumanian Archives of Microbiology and Immunology* 2012;71(2):81-86.

35. **Kalantar D**, Mansouri S. Emergence of multiple β -lactamases produced by *Escherichia coli* clinical isolates from hospitalized patient in Kerman, Iran. *Jundishapur J Microbiol* 2010;3(4):137-45.

36. Norouzi F, **Kalantar D**, Mansouri S, Moradi M, Valipour E, Orangi M. IMIPENEM AND METALLO- β -LACTAMASES ENZYMES RESISTANCE IN β LACTAMASE

PRODUCING CLINICAL ISOLATES OF *PSEUDOMONAS AERUGINOSA*. *IRANIAN JOURNAL OF INFECTIOUS DISEASES AND TROPICAL MEDICINE* 2010;15(49):37-41.[Persian].

37. **Kalantar D**, Mansouri S, Razavi M. Emergence of imipenem resistance and presence of metallo- β -lactamases enzymes in multi drug resistant Gram negative bacilli isolated from clinical samples in Kerman, 2007-2008. *Journal of Kerman University of Medical Sciences* 2010;17(3):208-214.[Persian].