

## **Curriculum Vitae**

**Bizhan Nomanpour (PhD)**

Assistant Prof. of Microbiology

Kermanshah University of Medical Sciences

**Date of Birth:** (10/ 11/ 1967)

### **Contact information**

- No.2 Aramesh Lab. 9th ally -saadat abad Tehran- Iran

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### **Education**

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|---|------|
| - PhD : Bacteriology : Tehran university of medical sciences      | 2010 |
| - Msc. Medical Microbiology : Medical school of Shiraz university | 1999 |
| - BSc : General Microbiology : Azad university of Kerman          | 1992 |

### **Certifications**

- Human Microbial Identification
- Woman Microbiology
- BacTec & BacAlert working
- PCR
- RT-PCR
- RAPD-PCR
- RFLP
- Real –Time PCR
- Primer designing
- Pulsed field gel Electrophoresis (PFGE)
- Iso electric focusing (IF)/ 2D Electrophoresis
- Protein Purification.

- Animal manipulation

### **Professional Society Memberships**

- Iranian Microbiology Society
- International society of infection disease
- Inspector of Iranian Microbiology Society board of directors

### **Honors and Awards**

- First ranking in Tehran University of medical sciences Researcher
- First ranking in MSc. of Medical Microbiology Shiraz university medical sciences
- First ranking in Bachelor of Microbiology Kerman Azad University

### **Clinical activities**

- Manager of Microbiology Dep.& Infection disease advisor Sarem Woman's Hospital. Tehran-Iran
- Manager of Boali Hospital Microbiology Dep. and Infection Control. Team Tehran- Iran
- Manager of Molecular diagnostic dep. Aramesh Clinical Laboratory. Tehran- Iran
- Manager of Microbiology Dep. Aramesh Clinical Laboratory. Tehran- Iran

### **Administrative Service**

- Inspector of Iranian Microbiology Society
- Assistant Prof. of Microbiology in Kermanshah University of Medical Sciences

### **Local and National Service**

- Molecular Diagnosis Section-Raze Clinical laboratory- Kermanshah - Iran
- Biology of Medical Sciences Research center in Kermanshah University of Medical Sciences
- Manager of Microbiology Dept. Kermanshah University of Medical Sciences
- Member of the Executive Committee of the 10th Iranian Congress of Microbiology - March 2009- Ilam-Iran
- Executive Committee of the 11th Iranian Congress of Microbiology - July 2011-Kermanshah
- Scientific and Scientific Committee of the 14th Iranian Congress of Microbiology 2013
- Executive Committee, Scientific Fifteenth Iranian Congress of Microbiology 2014
- Membership, Scientific 16th Iranian Congress of Microbiology 2015
- Member of the Scientific Committee of the 17th Iranian Congress of Microbiology
- Member of Board of Directors of Iranian Microbiology Society - 1977 (Iranian Society of Microbiology)
- Improving Bank Cooperation: Reviewing Microbiology Papers from 2001-2005

- Supervisor of medical equipment purchase - Kermanshah Medical University since 2015

### **Teaching Service**

- Microbiology Courses for Medical students of Kermanshah University of medical Sciences since 1999
- Microbiology Courses for Pharmacy students of Kermanshah University of medical Sciences since 2004
- Microbiology **Courses for** MSc students of microbiology since 2010
- Microbiology **Courses for** PhD students of microbiology since 2018
- Molecular diagnostic for MSc of microbiology in Tehran university of medical science
- Molecular detection of pathogenic organisms in Tehran University of medical Sciences 2006-2012
- Microbiology for Persepolis college institute 2013-2014

### **Completed Grants**

- Real time PCR detection of Mycoplasma, Legionella, Chlamydia and Streptococcus pneumonia
- Single gene Detection of Pseudomonas aerogionosa by real time PCR
- Molecular detection of Leishmania in clinical specimens from Iranian patients
- Design of Cytomegalovirus Genotypes and Mutations in Kermanshah-Iran
- The Relationship between Tacrolimus and Blood Parameters
- Salmonella identification scheme in food, animal and human samples
- Identification of Brucella species in patients by Real-Time PCR
- Identification of vaginitis in Kerman women by Real-Time PCR method
- Preparation of wound adhesive with pomegranate extract for treatment of bed wounds
- Purification and Effectiveness of Homemade Beetle Brain Ingredients in Gram-negative Bacteria
- Detection of infectious agents of endometriosis by Real-Time PCR
- Impact of cockroach brain on burn infections caused by Pseudomonas aerogenosa on Balb / C mice
- Purification and Purification of Pomegranate Peel Extract in Native Iranian Species Effect of Pseudomonas aeruginosa and Staphylococcus Bacteria on Adhesive Fabrication in Bed Wound Healing
- Comparison of Nugnet Score and Polymerase Chain Comparison in Diagnosis of Vaginitis in Women
- Evaluation of the antifungal effect of Caparis spinose extract on Klebsiella pneumoniae
- Evaluation of the effect of probiotic bacteria in the treatment of Crohn's disease
- Investigation of carcass infection of Campylobacter jejuni and Chicken slaughtered by Real time PCR in Kermanshah

- Investigation of cadF gene polymorphism in Campylobacter jejuni and Campylobacter clay isolated from poultry by Melt Curve-Real time PCR in Kermanshah isolates 2015
- Evaluation of the effect of Iranian Lactobacillus rhamnosus on the cancer cells in Balb / C
- Investigation of Retrograde infection by group B Streptococci and still-birth in Rat

### **Inventions:**

1. Ghobadi,S.; Khajeh,K.; Noamanpour,B.; Ahmadi,A.; Badoei Dalfard,A.; " Partial 16S rDNA sequence of a Bacillus sp. GHA1 isolated from Kermanshah spring" EMBL/GenBank/DBJ databases:EU109536 - 11-SEP-2007
2. GBS OMV Vaccine in pregnant Rat

### **Peer-reviewed journal articles**

- Peer reviewer of Iranian society of microbiology Journal (ISM)
- BMC infection disease
- National Institute for Medical Research Development (NIMAD)

### **Non-peer-reviewed journal articles**

#### **Kermanshah university health Journal**

### **Articles:**

1. S.M. Sajadi, S. Ardehali, **B. Nomanpour**, V.Kumar, A. Izadpanah.(2001) " Diagnosis of cystic echinococcosis :Ultrasound imaging or countercurrent Immuno-electrophoresis? Eastern Mediterranean Health Journal 2001, 7 (6) 907-911
2. H. Motazedian, **B. Nomanpour** and S.Ardehali .(2002)" Characterization of Lishmania parasites isolated from provinces of the Islamic Republic of Iran.EsternMediterranean Health Journal. 2002 vol. 8, No.2/3.
3. A. Mostafaie, J. Abdolalizadeh, **B.Nomanpour**, Y. Bahrami.(2005)"Immunogenes of Brucellaabortus S19 identified by two-dimensional gel electrophoresis and immunoblotting." Iranian Journal of Medical Sciences. 2005, vol. 30, NO.1
4. H. Kharrazi, A.R.Sabokroh, A.Vaisiraygani, **B.Nomanpour**,F.Bahremand.(2005) " Association between apolipoprotein e polymorphism in patient with coronary artery disease in Kermanshah, Iran. JBMB.2005, vol. 1, NO. 1
5. Abdolalizadeh J, Mostafaie A, Kharrazi H, **Nomanpour B**, Nomani H. Identificationof Brucellaabortus (S19) immunogens using two-dimensional gel electrophoresis and western blotting. Behbood, Journal of University of Medical Sciences. Kermanshah-Iran, 2003; 7, (1): 11-21

6. Y Hamzavi , A Mostafaie , **B Nomanpour**. Serological Prevalence of Toxoplasmosis in Meat Producing Animals. Iranian J Parasitol: Vol.2, No.1, 2007, pp.7-11
7. Khanahmadi, M., **Nomanpour, B.** Composition and Anti-Gastric Pathogens Activity of *Saturejaedmondi*. Recent Highlights in flavor Chemistry and Biology. 2007-376-379
8. **Nomanpour B.**, S. Ardehalli, M. Motazedian, N. Sobhani (Kermanshah, Siraz, IR)."Genomic diversity of Leishmania parasites isolated by RAPD-PCR". Clinical Microbiology and Infection: Volume 13 Issue s1 Page S609 - April 2007
9. A. Vaisi-Raygani; Z. Rahimi; H. Entezami; H. Kharrazi; F. Bahrhemanda;H. Tavalani; M. Rezaei; A. Kiani; **B.Nomanpour**; T. Poumotabbedae(2007) "Butyrylcholinesterase K variants increase the risk of coronary artery disease in the population of western Iran" Scand J Clin Lab Invest.
10. Feizabadi MM, Majnooni A, **Nomanpour B**, Fatolahzadeh B, Raji N, Delfani S, Habibi M, Asadi S, Parvin M. Direct detection of *Pseudomonas aeruginosa* from patients with healthcare associated pneumonia by real time PCR. Infect Genet Evol. 2010 Dec;10(8):1247-51
11. **Nomanpour B.**, Ghodousi A., Babaei T., Mousavi S AJ., Asadi S. and Feizabadi1 M M.: Detection and quantification of *Streptococcus pneumoniae* from Iranian patients with pneumonia and individual carriers by real time PCR. Afr J Biotechnol. 2011;10 (60), pp.12826-12832.
12. Ahmadi A., S. Ghobadi, K. Khajeh, **B. Nomanpour** and A. BadoeiDalfard: Purification of  $\alpha$ -Amylase from *Bacillus* sp. GHA1 and Its Partial Characterization J. Iran. Chem. Soc., Vol. 7, No. 2, June 2010, pp. 432-440
13. **Nomanpour B**, Ghodousi A, BabaeiT, Abtahi HR, Tabrizi M, Feizabadi MM: Rapid, cost-effective, sensitive and quantitative detection of *Acinetobacter baumannii* from pneumonia patients. IRAN. J. MICROBIOL Volume 3 Number 4 (December 2011) 162-169
14. Ghodousi A, **B. Nomanpour**, Davoudi S, Maleknejad P, Omrani M, Kashaf N, Salehi TZ, Feizabadi MM "Application of *fnbA* gene as new target for the species-specific and quantitative detection of *Staphylococcus aureus* directly from lower respiratory tract specimens by real time PCR. Indian J PatholMicrobiol. 2012 Oct-Dec;55(4):490-5
15. Fard SY, **B. Nomanpour**, Fatolahzadeh B, Mobarez AM, Darban-Sarokhalil D, Fooladi AA, Leeuwen WB, Feizabadi MM." Hospital acquired pneumonia: comparison of culture and real-time PCR assays for "detection of *Legionella pneumophila* from respiratory specimens at Tehran hospitals. Acta Microbiol Immunol Hung. 2012 Sep;59(3):355-65.
16. Haeili M, Ghodousi A, **B. Nomanpour**, Omrani M, Feizabadi MM." "Drug resistance patterns of bacteria isolated from patients with nosocomial pneumonia at Tehran hospitals during 2009-2011. J Infect DevCtries. 2013 Apr 17;7(4):312-7.

17. Darban-Sarokhalil D, ImaniFooladi AA, Maleknejad P, Bameri Z, Aflaki M, **Nomanpour B**, Yaslianifard S, Modarresi MH, Feizabadi MM." Comparison of smear microscopy, culture, and real-time PCR for quantitative detection of Mycobacterium tuberculosis in clinical respiratory specimens. Scand J Infect Dis. 2013 Apr;45(4):250-5.
18. Yarahmadi M, Yunesian M, Pourmand M, Shahsavani A, Mubedi I, **Nomanpour B**, Naddafi K." Evaluating the efficiency of lettuce disinfection according to the official protocol in iran. Iran J Public Health. 2012;41(3):95-103. Epub 2012 Mar 31.
19. **Nomanpour B**, Ghodousi A, Babaei T, Jafari S, Feizabadi MM. Single tube real time PCR for detection of Streptococcus pneumoniae Mycoplasma pneumoniae Chlamydia pneumoniae Legionella pneumophila from clinical samples of CAP. Acta Microbiol Immunol Hung. 2012 Jun;59(2):171-84.
20. Feizabadi MM, Ghodousi A, **Nomanpour B**, Omrani M, Shahcheraghi F. Development of a modified DNA extraction method for pulsed-field gel electrophoresis analysis of Staphylococcus aureus and enterococci without using lysostaphin ". J Microbiol Methods. 2011 Jan;84(1):144-6.
21. Saeedeh Ravi, Aminian M., Azfarniam M., Gharedaghi E., Parvin Talebloo, **Nomanpour B**, Zangeneh M., Yousefi Behzadi R., Mehdizade Ghamari P., " Study of microbial contamination of hospital antiseptics and disinfectants" (2014) Health Sciences, (Issue 2) P: 93
22. SHahinfar S., **B.Nomanpour**." Evaluation of the Relationship between Different Personality Characteristics and Common Vaginal Infections in Women Referred to the Clinic of Payam-e-Azam Hospital in Kerman, Iran Journal of Obstetrics & Gynecology Volume 18, Number 148, Spring 2015, Page 10-17
23. Alisha Akya , Salimi A. , **Nomanpour B** , Ahmadi K., " Prevalence and Clonal Dissemination of Metallo-Beta-Lactamase-Producing Pseudomonas aeruginosa in Kermanshah" Jundishapur Journal of Microbiology, 2015(Issue 7); vol.47;7;P 8
24. Javidinejad J, **Nomanpour B** , Masodiean N., Abniki B., "Investigation of serum levels of Tacrolimus in Iranian renal transplants in 2014 – 2015" J. Appl. Environ. Biol. Sci., 5(9)201-209, 2015
25. Maryam Izad, M. Beheshti, Z. Salehi, **Nomanpour B**, H. Shirzad, R. Abolfazli, M. Naseri "Increased caspase-1 and EBV load in active phase of Multiple Sclerosis disease" 4TH European congress of Immunology Viena 2015.
26. Sholeh Shahinfar, and **Bizhan Nemanpour** " The Relationship Between Contraceptive Methods and Common Vaginal Infections "Women's Health Bull. **2017** April; 4(2): e40793.doi: 10.17795/whb.40793.
27. Fatemeh Hoseinpour, Foroughi A., **Nomanpour B**, Sobhani Nasab R. "Identification and differentiation of Campylobacter species by high-resolution melting curve analysis" Microbial Pathogenesis 108 (july 2017), 109-113

28. Simin Zamani, S.H. Shariati, M. R. Zali, A.H. Asadzadeh, A. S. Asiabar, S. Bokaie, **B. Nomanpour**, L.A. Sechi: M. M. Feizabadi "Detection of enterotoxigenic *Bacteroides fragilis* in patients with ulcerative colitis" Gut Pathogens 9 (2017), 5
1. Seyedesomaye Jasemi, Emaneini M., Fazeli M.S., Ahmadinejad Z., **Nomanpour B**, Sadeghpour Heravi F., Leonardo A. Sechi and Feizabadi M.M. "Toxigenic and non-toxigenic patterns I, II and III and biofilm-forming ability in *Bacteroides fragilis* strains isolated from patients diagnosed with colorectal cancer" Gut Pathog (2020) 12:28: doi.org/10.1186/s13099-020-00366-5

- **Paper in Congress**

1. Rahi H., A. mostafaei ,**B.Nomanpour**, F.Bahreman : Purification & characterization of barley Oxalate oxidase; The 7<sup>th</sup> Iranian biochemistry Congress. Ahvaz-Iran 22-25 Feb.2003
2. Motazedian M.H., **B.Nomanpour**, S.Ardehali." genomic diversity of L.major isolated from Iranian patients" The Third Clinical parasitology congress " Sari-Iran March 2000
3. M. Khanahmadi, **B.Nomanpour**, composition and anti-gastric pathogens activity of *Satureia edmondi* ., 8Th.Wartburg symposium on flavor chemistry & Biology. Germany.2007
4. M. Khanahmadi, **B.Nomanpour**. Efficacy of hydro-ethanol extracts and chemical comonent s of volatile oil *Falcaria vulgaris* 8Th.Wartburg symposium on flavor chemistry & Biology. Germany. 2007.
5. **B. Nomanpour**, S.Ardehalli, M.Motazedian, N.Sobhani (Kermanshah, Siraz, IR) ." Genomic diversity of *Leishmania* parasites isolated by RAPD-PCR." 17th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)& 25th International Congress of Chemotherapy (ICC).2007
6. Nasimalsadat Sobhani. **Bizhan Nomanpour** .Nooshabe Peghhan. "Association of glutathion s- transferase omega 1 with alzheimer disease"The 9th Iranian congress of Biochemistry. shiraz –Iran oct.29-nov,1 2007
7. Asad Vaisi-Raygani, F.Bahreman, Z.Rahimi, H.Kharazi , H.Entezami , H.Nomani, M.rezaei, **B.Nomanpour**."butyrlcholinsterase k variants increase the risk of coronary artery disease in the population of western Iran" The 9th Iranian congress of Biochemistry .shiraz –Iran oct.29-nov,1 2007
8. Yarahamadi M., A.shahsavandi, MR .Pourmand,**B.Nomanpour**, K.Nadafie,: Survey of disinfection on cabbage based on Iranian public health : The 17<sup>th</sup> National environment engineering congress .Tehran-Iran 2014
9. **B.Nomanpour** ( special speaker) " Emergence MDR *A. baumannii* complex" Microbial resistance in Iranian hospital - Tehran- Iran - 22 Feb.2014

10. **B.Nomanpour**” Survey of phenotypic pattern of clindamycin resistance induced by erythromycin in Group B Streptococci isolated from pregnant women Sarem Hospital 2014-2015” The 17<sup>th</sup> international Iranian microbiology Congress Tehran – Iran 23-25 August 2016
11. **B.Nomanpour,**” **Control and inspector in food** “ National seminar in food industry . Tehran- Iran 2015
12. Maryam Izad, M. Beheshti, Z. Salehi, **B. Nomanpour**, H. Shirzad, R. Abolfazli, M. Naseri” Increased caspase-1 and EBV load in active phase of Multiple Sclerosis disease” 4TH European congress of Immunology Viena 2015
13. Sh. Darabi, **Nomanpour B.**, A. Geravand, B. Shokrolahi” The evaluation of the cytochrome P450 (CYP)1A1 gene presence and its association with prostate cancer through the Melt- Curve analysis of Real Time PCR” 8<sup>th</sup> international Laboratory medicine Tehran Iran 2015
14. **Bizhan Nomanpour**” Detection of water pollution in the supply by Real time PCR “18<sup>th</sup> International & Iranian Congress of Microbiology, Tehran – Iran. 29-31 AUG 2017
15. Khamoushi G., Khamoushi K., Rezaei E., **Nomanpour B.**: Real time PCR to detect contamination of animal feeds with salmonella sp. In Tehran” The 4<sup>th</sup> Sciences & engineering congress “2016.
16. **B. Nomanpour,**” Quality control in antimicrobial susceptibility test “The 20th international Iranian microbiology Congress. Kerman – Iran Aug. 27-29 (2019)

### **Others activities**

- Member of the Executive Committee of the 10th Iranian Congress of Microbiology - March 2009- Ilam- Iran
- Executive Committee of the 11th Iranian Congress of Microbiology - July 2011- Kermanshah
- Scientific and Scientific Committee of the 14th Iranian Congress of Microbiology 2013
- Executive Committee, Scientific Fifteenth Iranian Congress of Microbiology 2014
- Membership, Scientific 16th Iranian Congress of Microbiology 2015
- Member of the Scientific Committee of the 17th Iranian Congress of Microbiology
- Member of Board of Directors of Iranian Microbiology Society - 1977 (Iranian Society of Microbiology)
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- Supervisor of medical equipment purchase - Kermanshah Medical University since 2015