

In The Name of God

CURRICULUM VITAE

Personal information:

Name: Seyed Reza Hosseini Doust

Birth: 21 / 3 / 1956

Nationality: Iranian

Employment: Department of Microbiology, Baghiyatallah University of Medical Sciences (BUMS), Lecturer in Microbiology, P.O. Box; 11365/6777

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Academic Training:

- PhD; University of Glasgow, Faculty of Medicine, Department of Microbiology & Department of Clinical Bacteriology, 1991 – 1995
- M Sc; University of Tarbiat Modares, School Of Medical Science, Tehran - Iran, 1983 -1986
- B Sc; Shahid Beheshti University, Faculty of Paramedical Sciences, Tehran - Iran, 1975 - 1982

Publications:

- 1) **Hosseini Doust Reza, H. Hatami, M. Izadi and M J Hosseini (2006).** Medical management of infectious disease in natural disasters and Biological Threats. *Journal of military Medicine*, 8(3); 231-238
- 2) **Hosseini Doust R., Z. Ahmadi, A. Mobarez et al. (2006).** Detection of *B abortus* by *alkB/IS711* based primer. *Journal of Research in Medical Sciences* (in press).
- 3) Mssoud Hajia, **Hosseini Doust R.** and Mohamad Rahbar (2004). Identification of *Legionella pneumophila* in bronchoalveolar lavage fluid specimens by PCR. *Arch Iranian Med.* 7 (4); 1-4
- 4) **Hosseini Doust R., Mohabati Mobarez A. (2004).** Collagenase activity in *Prevotella bivia* isolated from patients with premature rupture of membranes. *Medical Journal of Islamic Republic of Iran*, 18 (1); 61 -66
- 5) **Hosseini Doust R. , Mohabati Mobarez A., and Hajia M. (2002).** Detection of *L. pneumophila* by polymerase chain reaction within culture negative samples. *Yakhte Medical Journal*; 7 (4), 6-10
- 6) Mohabati Mobarez A., **Hosseini Doust R., Zavarani Hosseini A. and Tabarai B. (2002).** Proliferation responses in pre immunized mice lymphocytes by *Bordetella pertussis* cell wall components. *Iranian Journal of Alergy & Immunology*, 1(3); 135-140.
- 7) Mohabati Mobarez A., Zavarani Hosseini A., Tabarai B., Behzadian-nejad Q, **Hosseini Doust R.,** and Vojgani M. (2001). The role of Outer membrane protein of *Bordetella pertussis* in mice neutrophil stimulation. *The Journal of Daneshvar*, No.35,67-72.
- 8) **Hosseini Doust R. & Mohabati Mobarez A. (2000).** The effect of intracellular living on *Legionella pneumophila* cell wall profiles. *Yakhteh medical Journal*, No.10; 59-64

- 9) **Hosseini Doust R.** (2000). Growth enhancement of *L. pneumophila* after cocultivation with *Acanthamoeba*. *Yakhteh Medical Journal*, Vol12, No5. pp 13 – 17.
- 10) **Hosseini Doust R.** & Mohebbati Mobarez A. (1999). Inhibition of phagolysosome fusion by *L. pneumophila* in Amoeba host cell. *Yakhteh Medical Journal*, Autumn (3); 39-43.
- 11) **Hosseini Doust R.** & Seal L. D. (1998). Isolation of Legionnaire's Disease bacterium from hospital water supplies. *Kowsar Medical Journal* 3(3), 145-150.
- 12) **Hosseini Doust R.** (1996). Relationship of *Legione/la pneumophila* and Free-Living Amoebae. *Kowsar Medical Journal* 1 (I), 49-56.

Books:

1. **Hoseini Doust R.** The medical management of biological casualties handbook (translated to persian). Andishmand press, spring 2001; Tehran / Iran
2. **Hoseini Doust R.** and coworkers. Bioterrorism and Biological weapons. Andishmand press, autumn 2001 ; Tehran/Iran
3. **Hoseini Doust R.** The topics of biological defenses. in; Hatami H. & coworkers. The medical aspects of bioterrorism, Published by ministry of health and medical education. Summer 2001, Tehran/Iran

Abstracts:

1. Ashraf Mohabbati Mobarez and **Hosseini Doust R.** (2004). Isolation of *Legionella* spp. From hospital water samples located in Tehran. 7th National Congress of Microbiology.
2. Ashraf Mohabbati Mobarez and **Hosseini Doust R.** (2004). Stimulation of macrophage oxygen free radical production and lymphocytes blastogenic responses by immunization with OMPs of *B. pertusis*, 12th International congress of immunology and 4th annual conference of FOCIS, July 18 - 23, 2004. Montreal Canada.

3. **Hosseini Doust R.** (2004). Proliferation responses in preimmunized mice lymphocytes by *L. pneumophila* OMPs, 12th international congress of immunology and 4th annual conference of FOCIS, July 18 - 23, 2004. Montreal Canada.
4. **Hosseini Doust R.** & Mohabati Mobarez A. (2003). The risk factor of *Legionella* infections in Tehran hospitals. 5th Iranian congress of microbiology. Ahvaz 1 Iran.
5. Mohabati Mobarez A. & **Hosseini Doust R.** (2003). Identification of virulence associated outer membrane protein in *Bordetella pertussis*. 5th Iranian congress of microbiology. Ahvaz / Iran.
6. **Hosseini Doust R.**, Ghanei M. *Legionella* infection among chemical injured patients suffering from chronic bronchitis. The 4th international congress of pulmonary disease and tuberculosis. Tehran/Iran 31 Oct. - 3Nov. 2000.
7. **Hosseini Doust R.** Mohabati Mobarez A. & Imani A. Anti bacterial effects of garlic extract on *L. pneumophila* growth. The 5th Iranian seminar of pharmaceutical sciences. Mashhad/Iran, 26-28 August 2000.
8. **Hosseini Doust R.** Mohabati Mobarez A. The bacterial protease enzyme in premature rupture of membrane (PROM). The 4th international congress of gynecology disease and midwives. Tehran/Iran, 7-10 Nov 2000.
9. Ghanei M., Aslani J., **Hosseini Doust R** & Jalali A. The antibiotic choosing in exacerbated chronic bronchitis in Mustard gas injured by Mustard gas. The 8th Iranian congress on infectious disease and tropical medicine. January 16-20 ,2000.
10. **Hosseini Doust R**, Ghanei M., Aslani J., Eimani Fouladi A., Mohabati M. Bacteria found in BAL of patients chemically injured by Mustard gas. The 8th Iranian congress on infectious disease and tropical medicine. January 16-20,2000.
11. **Hosseini Doust R.** The effects of host cell on *L. pneumophila*'s cell wall composition. The 8th Iranian congress on infectious disease and tropical medicine. January 16-20, 2000.
12. **Hosseini Doust R** & JH Freer (1998). Cell Wall analysis of intra-amoebae *Legionella pneumophila*. Society for General Microbiology, 139th Ordinary Meeting. University of Bradford, 6-8 January 1998.

13. **Hosseini Doust R** (1997). Free-Living Amoebae in hospital water supplies. 2nd National Congress of Parasitic Disease, October 19-22, 1997. Tehran-Iran.
14. **Hosseini Doust R.** & Seal L. D. (1997). Legionnaires ' disease: A fatal risk for hospitalized patients in transplant units. Kowsar Medical Journal (submitted).
15. **Hosseini Doust R** & DL Seal (1997). the risk of Legionnaires' disease in hospital transplant units, The 10th international congress of Geographic Medicine & 6th Iranian congress of infectious and tropical Disease, Nov. 10-1 3.1 997, Shiraz-Iran.
16. **Hosseini Doust R.** & Javadian E. (1987). Reservior host of Cutaneous Leishmaniasis in Khuzestan (South-west of Iran). The Journal of Islamic Medical Association (IMA) of North America 19(3), 132.
17. **Hosseini Doust R.**, Hay J., & Freer H. J. (1994). The effect of cytochalasin D and methylamine on intracellular growth of *L. pneumophila* in *A. castellanii*. Royal Society of Tropical Medicine & Hygiene ,May 12, 1994.
18. **Hosseini Doust R.** & Freer H. J. (1994). The events in *A. castellanii* following entry of *L. pneumophila*. The International Union of Microbiology Societies (IUMS) Congress. Prague, Czech Republic, July 3 - 8, 1994.
19. **Hosseini Doust R.** & Freer H. J. (1995). Growth of *L. pneumophila* within Free - living Amoebae. Postgraduate Symposium of Scottish Microbiology Club, Sep. 22 -23, 1995.
20. **Hosseini Doust R.** (1994). Biological Relationship between *Legionella* and Amoebae. 2nd Congress of Iranian Medical Student in Europe. Apr. 2 - 3 , Belgium.
21. **Hosseini Doust R.** & Mohabbati Mobarez A. (1996). Detection of *L.pneumophila* DNA by PCR method. 2nd national Congress of Microbiology, Yazd - Iran.
22. Mohabbati Mobarez A. & **Hosseini Doust R.** (1996). Protease production by Bacteroides spp. and its role in premature rupture of membranes(PROM). 2nd national Congress of Microbiology, Yazd - Iran.
23. Javadian E. & **Hosseini Doust R.** (1987). The Cutaneous Leishmaniasis status in Khuzestan (A province of Iran). The first Congress of Military Health. Tehran - Iran.

24. Mahmood Zadeh A. & **Hosseini Doust R.** (1988). *In vivo* evaluation of Paromomycin-containing ointment on Cutaneous Leishmaniasis. The National Congress of War and welfare. Ahvaz - Iran.

Experiences:

1. Lecturer of medical parasitology. The School of Medical Science, Imam Hossein University (1984 - 1990).
2. Lecturer in Microbiology (1995 - present).
3. Head of section of microbiology (1996- present)
4. Head of section of biological defenses (NBC center) 1999- 2006.
5. Deputy of vice chancellor in research affair of Baqhiyatallah (A.S.) University of Medical Sciences, (1995 - 1999)
6. Head of Department of Microbiology, Faculty of Medical Sciences, Imam Hossein University (1987 - 1990).
7. Head of Department of Microbiology, Faculty of medicine. Baqhiyatallah university of medical sciences (2000- present)

Research Projects:

1. 1998: Nosocomial pneumonia in ICU (sum of grant: 40 m RLs).
2. 1999: Opportunist infection within chemical warfare s victims (sum of grant: 50 m RLs).
3. 2001: Evaluated of military medical officers about NBC victim's treatment protocols (Sum of grant 35 m RLs).
4. 2002: Periodic study of antibiotic resistancy (Sum of grant 125 m RLs).
5. 2002: Detection of Brucellosis bacteria by PCR (Sum of grant 109,500,000 RLs).

6. 2002: Strategic plan for Biodefense preparedness (Sum of grant 1,780,000 RLs).

Membership:

1. Society of General Microbiology (SGM), 1992 – 1995
2. Royal Society of Tropical Medicine & Hygiene (Fellow), 1992 – 1996
3. International Union of Microbiology Societies (IUMS), 1995 - 1996

Field of study and experiences:

- Medical Microbiology including Bacteria - Protozoa interaction, Transmission Electron Microscopy (TEM), Bacterial toxins and cell wall analysis techniques, Cell and tissue culture, Molecular biology techniques (PCR), Recombinant protein, Information Technology.