

Publication list:

1. **Bouzari, S.,** Varghese, A. (1990): Cytolethal distending toxin (CLDT), production by enteropathogenic *Escherichia coli* (EPEC). **FEMS Microbiol Letts** **71**,**193-198.**
2. Vatsala, B.R., **Bouzari, S.,** Varghese, A. (1990): Congo red binding ability among enteroinvasive and other *Escherichia coli* strains. **Med Sci Res** **18**, **971.**
3. **Bouzari, S.,** Vatsala, B.R., Varghese, A. (1992): *In vitro* adherence property of cytolethal distending toxin (CLDT) producing EPEC strains and effect of the toxin on rabbit intestine. **Microb pathog** **12**, **153-157.**
4. Jafari, A., **Bouzari, S.,** Farhoudi-Moghaddam, A.A. (1992): Drug resistance in diarrhoeagenic *Escherichia coli* (ETEC, EPEC). **Iran J Med Sci** **17**, **51-55.**
5. **Bouzari, S.,** Vatsala, B.R., Varghese, A. (1994): Characterisation of vero-toxin producing EPEC strains: effect of toxin on rabbit intestine. **Med J Rep Iran** **8**, **47-51.**
6. **Bouzari, S.,** Jafari, A., Farhoudi-Moghaddam, A.A., Shokouhi, F., Parsi, M. (1994): Adherence of non-enteropathogenic *Escherichia coli* to HeLa cells. **J Med Microbiol** **40**, **95-97.**
7. Jafari, A., **Bouzari, S.,** Farhoudi-Moghaddam, A.A., Parsi, M., Shokouhi, F. (1994): *In vitro* adherence and invasion of *Salmonella enterica* serotype Havana. **Microb Pathog** **16**, **65-70.**
8. Aslani, M.M., Badami, N., Mahmoodi, M., and **Bouzari, S.** (1998): Vero-toxin producing *Escherichia coli* (VTEC) infection in randomly selected population of Ilam province (Iran). **Scand J Infect Dis** **30**, **473-476.**
9. **Bouzari, S.,** Rechinsky, V.O. (1998): Cloning and Expression of *Thermus aquaticus* DNA polymerase gene, using a thermo-inducible expression vector. **Iran Biomed J** **2**, **79-83.**
10. Oloomi, M., **Bouzari, S.,** Rechinsky, V.O. (1998): PCR-mediated expression of the human GM-CSF gene in *E.coli*. **Iran Biomed J** **1998**, **2(1): 21-25.**
11. Oloomi, M., **Bouzari, S.,** Rechinsky, V.O. (1999): Purification and characterization of the cloned human GM-CSF gene expressed in *E.coli*. **Med J I R I** **12**, **353-357.**
12. Aslani, M.M., Badami, N., **Bouzari, S.** (1999): Adherence patterns of verotoxigenic *Escherichia coli* (VTEC) non-O157 strains isolated from faecal samples in Iran. **Iran Biomed J** **3**, **71-75.**

- 13. Bouzari, S., Oloomi, M., Salmanian, A.H., Jafari, A. (1999):** Construction and expression of a fused gene for B subunit of heat-labile and a truncated form of heat-stable enterotoxins in *Escherichia coli*. **Iran Biomed J** **3**, 83-86.
- 14. Bouzari, S., Jafari, M.N., Shoukohi, F., Parsi, M., Jafari, A. (2000):** Virulence-related DNA sequences and adherence patterns in strains of enteropathogenic *Escherichia coli* (EPEC) strains. **FEMS Microbiol Letts** **185**, 89-93.
- 15. Bouzari, S., Jafari, A., Azizi, A., Oloomi, M., Nataro, J.P. (2001):** Characterization of enteroaggregative *Escherichia coli* (EAEC) isolates from Iranian children. **Am J Trop Med Hyg** **65** (1): 13-14. :
- 16** Le Bouguenec C,Lalioui L,du Merle L,Jouve M,Courcoux P, **Bouzari S**, Selvarangan R, Nowicki BJ, Germani Y, Adremont A,Gounon P, Garcia MI **(2001)**. Characterization of AfaE adhesins produced by extraintestinal and intestinal human *Escherichia coli* isolates: PCR assays for detection of Afa adhesins that do or do not recognize Dr blood group antigens. **J Clin Microbiol.** ;39(5):1738-45.
- 17. Jafari, A., Katouli M., Shokouhi, F, and Bouzari S. (2001).** Detection and characterization of Verotoxin-producing strains among non-sorbitol fermenting *Escherichia coli*. **East. Med. Health J.** **7**, (4/5):121-127.
- 18. Shahrokh, N., Jafari, A., Bakayev, V., Schirnbeck, R., Reinan, J., Bouzari S. (2002)** Construction of Hybrid gene of Hepatitis B surface Antigen carrying Heat-stable Enterotoxin of *Escherichia coli* and it's Expression in mammalian cell line. **Iran Biomed J** **6**(2,3):47-53
- 19. Aslani, M.M., Bouzari, S. (2003)** An epidemiological study on Verotoxin producing *Escherichia coli* (VTEC) infection among population of Northern region of Iran. **European Journal of Epidemiology** **18**:345-349.

- 20.** Mana Oloomi and **Saeid Bouzari** (2004). Improvement of h GM-CSF expression using a fusion system by directing protein to the periplasmic space. **Medical Journal of IRI** ;18/2 : 141-146
- 21.** **Bouzari, S.** A.jafari., A.Zarepoor (2005). Distribution of virulence related genes among enteroaggregative *Escherichia coli* isolates: using Multiplex PCR and hybridization. **Infection Genetics and Evolution**.5 (1):79-83.
- 22 .Bouzari, S** Oloomi,.M. E.Oswald .(2005).Detection of cytolethal distending toxin locus cdtB among diarrheagenic *Escherichia coli* human isolates from Iran. **Research in Microbiology**. 156(2)137-144.
- 23.** Habibi Roudkenar,M., **Bouzari S.**, Oloomi M., Jafari A., Shahrokhi N., Shokrgozar MA. (2005). Expression of a chimeric protein containing the catalytic domain of Shiga-toxin and human Granulocyte Macrophage Colony – Stimulating Factor (h GM-CSF) in *Escherichia coli* and its recognition by reciprocal antibodies. **Iran Biomed J** 9(4):143-148.
- 24.** M Oloomi and **Bouzari, S.** (2006) Comparison of PCR systems for Detection of different cdt genes in *Escherichia coli* isolates. **Lett Appl Microbiol** 42(5): 445-451.
- 25.** Nader Shahrokhi, **Saeid Bouzari** and Anis Jafari (2006). Priming Hepatitis B Surface (HBsAg) and Core Antigen (HBcAg) Specific Immune Responses by chimeric HBcAg "a' Determinant. **Iran Biomed J** 10(2): 61-68.
- 26.** Mehryar Habibi Roudkenar, Anis Jafari, Mana Oloomi, and **Saeid Bouzari** (2006) Selective cytotoxicity of recombinant STXA1-GM-CSF protein in hematopoietic cancer cells. **Cell Biol Toxicol** 22(3): 213-219.
- 27.** Mehryar Habibi Roudkenar, **Saeid Bouzari***, Yoshikazu Kuwahara, Amaneh Mohammadi Roushandeh, Mana Oloomi, Manabu Fukumoto. (2006) Recombinant Hybrid Protein, Shiga-

Toxin and granulocyte macrophage colony stimulating factor, Effectively Induces Apoptosis of Colon Cancer Cells. **World J Gasteroenterol** **12(15): 2341-2344.**

28. Oloomi M, **Bouzari S**, Arshadi M. (2006). N-terminus leader sequence of shiga toxin (stx1) is essential for production of active recombinant protein in E. coli. **Protein Pept Lett**, **13(5): 5015.**

29. **Bouzari, S.** Jafari, A., Zarepoor, M., (2007) Distribution of genes encoding different toxins and determination of resistance patterns among diarrhogenic *Escherichia coli* isolates in Iran. **East. Med. Health J.** **13(2): 287-293.**

30. Habibi Roudkenar M, **Bouzari, S.** Oloomi, M, Kuwahara,Y., Mohammadi Roushandeh A, Baba T., Fukumoto, M., (2007). Assessment of GM-CSF receptors by real-time RT-PCR on cell lines expressing high and low affinity receptors and their relation to cytotoxic effect of chimeric protein (StxA1-GM-CSF).

Daru. **15(3):151-155.**

31. Habibi Roudkenar M, **Bouzari, S.**, Kuwahara,Y., Mohammadi Roushandeh A, Baba T., Oloomi, M, Fukumoto, M., (2008). Induction of apoptosis on K562 cell line and double strand breaks on Colon cancer cell line expressing high affinity receptor for Granulocyte Macrophage – colony Stimulating Factor (GM-CSF). **Iran Biomed J** ; **12(1): 1-6.**

32. Oloomi M. and **Bouzari S.** (2008). Molecular profile and genetic diversity of cytolethal distending toxin (CDT)-producing Escherichia coli isolates from diarrheal patients. **APMIS.** **116 (2):125-32.**

33. Bergstrom KS, Guttman JA, Rumi M, Ma C, Bouzari S, Khan MA, Gibson DL, Vogl AW, Vallance BA (2008). Modulations of intestinal goblet cell function during infection by an attaching and effacing bacterial pathogen. **Infect. Immun;** **76 (2): 796-811.**

- 34.** Mohammed A. Khan, **Saeid Bouzari**,¹ Caixia Ma, Carrie M. Rosenberger, Kirk S. B. Bergstrom, Deanna L. Gibson, Theodore S. Steiner, and Bruce A. Vallance (**2008**) Flagellin-dependent and -independent inflammatory responses following infection by enteropathogenic *Escherichia coli* (EPEC) and *Citrobacter rodentium*. **Infect Immun**; **76** (4): 1410-1422.
- 35.** Oloomi M, **Bouzari S**, Ajdary S, (**2008**). Immune response of mice immunized with active recombinant Shiga Toxin and its derivatives. **Iran J Allergy Asthma Immunol**; **7**(2): 53-60.
- 36.** Aslani MM, **Bouzari S** (**2009**). Characterization of virulence genes of non-O157 Shiga toxin-producing *Escherichia coli* isolates from two provinces of Iran. **Jpn J Infect Dis**. **62**(1):16-9.
- 37.** **Saeid Bouzari**, Mana Oloomi, and Kayhan Azadmanesh (**2009**) Study on induction of apoptosis on HeLa and Vero cells by recombinant shiga toxin and its subunits. **Cytotechnology**. **60**(1-3): 105–113.
- 38.** Oloomi M, Bouzari S, Emami S (**2009**) A recombinant hybrid peptide composed of AAF adhesin of enteroaggregative *Escherichia coli* and Shiga toxin B subunit elicits protective immune response in mice. **Eur J Clin Microbiol Infect Dis**. **28**(11):1311-6.
- 39.** **Bouzari S***, Amir Dashti, Anis Jafari, Mana Oloomi (**2010**): Immune response against adhesins of enteroaggregative *Escherichia coli* immunized by three different vaccination strategies (DNA/DNA, Protein/Protein, and DNA/Protein) in mice. **Comp Immunol Microbiol Infect Dis**. **33**(3):215-25.
- 40.** Oloomi M, **Bouzari S**, Shariati E (**2010**). In vivo characterization of fusion protein comprising of A1 subunit of Shiga toxin and human GM-CSF: Assessment of its immunogenicity and toxicity. **Iran Biomed J**. **14**(4):136-41.

- 41.** Oloomi M, Bouzari S (2011) Characterization of Rabbit Polyclonal Sera against Recombinant Shiga Toxin and its Subunits for Detection of Stx-Producing E. coli. **Iran J Allergy Asthma Immunol.** 10(1):41-6.
- 42.** Oloomi M, Bouzari S (2011). Assessment of immune response of the B subunit of Shiga toxin fused to AAF adhesin of enteroaggregative *Escherichia coli*. **Microb Pathog.** 50(3-4):155-8.
- 43.** Oloomi M, Bouzari S. (2011)
Characterization of rabbit polyclonal sera against recombinant Shiga toxin and its subunits for detection of Stx-producing E. coli.
Iran J Allergy Asthma Immunol. Mar;10(1):41-6.
- 44.** Bouzari S, Aslani MM, Oloomi M, Jafari A, Dashti A. (2011)
Comparison of multiplex PCR with serogrouping and PCR-RFLP of fliC gene for the detection of enteropathogenic Escherichia coli (EPEC).
Braz J Infect Dis. Jul-Aug;15(4):365-9.
- 45.** Shahrokhi N, Bouzari S, Jafari A. (2011)
Comparison of virulence markers and antibiotic resistance in enterotoxigenic Escherichia coli isolated ten years apart in Tehran.
J Infect Dev Ctries. Apr 26;5(4):248-54.
- 46.** Chinikar S, Shah-Hosseini N, Bouzari S, Jalali T, Shokrgozar MA, Mostafavi E. (2012)
New circulating genomic variant of Crimean-Congo hemorrhagic fever virus in Iran.
Arch Virol. Dec 28. [Epub ahead of print]
- 47.** Jahanian-Najafabadi A, Bouzari S, Oloomi M, Roudkenar MH, Shokrgozar MA. (2012)
Assessment of selective toxicity of insect cell expressed recombinant A1-GMCSF protein toward GMCSF receptor bearing tumor cells.
Res Pharm Sci. Jul;7(3):133-40.
- 48.** Jafari A, Aslani MM, Bouzari S. (2012)

Escherichia coli: a brief review of diarrheagenic pathotypes and their role in diarrheal diseases in Iran.

Iran J Microbiol. Sep;4(3):102-17.

49. Habibi Anbouhi M, Feiz Barazandeh A, **Bouzari S**, Abolhassani M, Khanahmad H, Golkar M, Aghasadeghi MR, Behdani M, Jahanian-Najafabadi A, Shokrgozar MA. (2012)

Functional recombinant extra membrane loop of human CD20, an alternative of the full length CD20 antigen.

Iran Biomed J.;16(3):121-6..

50. Asadi KM, Oloomi M, Habibi M, **Bouzari S.** (2012)

Cloning of fimH and fliC and expression of the fusion protein FimH/FliC from Uropathogenic Escherichia coli (UPEC) isolated in Iran.

Iran J Microbiol. Jun;4(2):55-62.

51. Oloomi M, **Bouzari S**, Mohagheghi MA, Khodayaran-Tehrani H (2012)
Molecular Markers in Peripheral Blood of Iranian Women with Breast Cancer.

Cancer Microenviron. Jul 25. [Epub ahead of print]

52. Noroozian Z, Oloomi M, **Bouzari S.** (2012)

Analyzing of expression of novel polypeptide complexes consisting of Shiga toxin B subunit and Adherence Fimbriae of Escherichia coli based on in silico modeling.

J Mol Model. Sep; 18(9):4131-9.

53. Jahanian-Najafabadi A, **Bouzari S**, Oloomi M, Roudkenar MH, Mayr LM(2012)

Attempts to express the A1-GMCSF immunotoxin in the baculovirus expression vector system.

.**Biosci Biotechnol Biochem.**; 76(4):749-54. Epub 2012 Apr 7.

54.Asadi Karam MR, Oloomi M, Mahdavi M, Habibi M, **Bouzari S.** (2013)

Vaccination with recombinant FimH fused with flagellin enhances cellular and humoral immunity against urinary tract infection in mice.

Vaccine. Feb 6; 31(8):1210-6.

55. Karam MR, Oloomi M, Mahdavi M, Habibi M, **Bouzari S.** (2013)

Assessment of immune responses of the flagellin (FliC) fused to FimH adhesin of Uropathogenic Escherichia coli.

Mol Immunol. May; 54(1):32-9.