

Curriculum Vitae

Personal Information:

Name: pejvak

Surname: Khaki

Date of birth: 22nd September 1974

Nationality: Iranian

Marital status: single

Gender: male

Education:

B.Sc. of Microbiology from Tehran University, Tehran. Iran.

M.Sc. of Microbiology from Tehran University, Tehran. Iran.

Ph.D of Medical Microbiology, in Maulana Azad Medical College, Delhi University, New Delhi. India.

Ph.D Thesis title:

Epidemiological study of *Neisseria gonorrhoeae* by conventional and molecular methods.

M.Sc. Thesis title:

Study of cytopathic effects of *Helicobacter pylori* isolates on HeLa, BK and BHK cell lines.

B.Sc. Thesis title:

Study of urease activity of *Helicobacter pylori* isolates.

Professional experience:

Research experience:

- a- Study about mechanisms of pathogenesis of *Helicobacter pylori* in the in vitro and in vivo.
- b- Development of diagnostics for detection of *H.pylori*.
- c- Study on antibiotic resistance of *H.pylori*.
- d- Purification of some enzymes, toxins and surface antigens from bacteria.

- e- Study about preparation of vaccine against *Leptospira*, *Salmonella* and *E.coli*.
- f- Molecular typing of Bacteria (e.g. pathogenic *Neisseria*, *Salmonella* and *Leptospira*)
- g- Development of diagnostics for detection of *Leptospira*.spp

Technical experience:

- a- Diagnosis of bacteria (by Molecular, Biochemical & Typing methods).
- b- Production of *Leptospira* vaccine.
- c- Isolation and detection of fastidious bacteria (like *H.pylori*, *Mycoplasma*, *Leptospira*, *Neisseria* and etc.).

Teaching experience:

Bacteriology course for B.Sc. and M.Sc. students
 Practical Microbiology for B.Sc. and M.Sc. students
 Systematic of bacteria for B.Sc. and M.Sc. students
 Host-parasite relationship for M.Sc. students
 Microbial Physiology for M.Sc. students

Supervisor of thesis:

M.Sc. Microbiology students
 Ph.D. Microbiology students

Positions and Employment

1995-1997 Junior Researcher, Department of Microbiology, Tehran University, Tehran, Iran

1997-1999 Senior Researcher, Department of Microbiology, Razi Vaccine and Serum Research Institute, Karaj, Iran

1999-2000 Instructor in Microbiology, Razi Vaccine and Serum Research Institute, Karaj, Iran

2000-2003 Lecturer and scientific member, Razi Vaccine and Serum Research Institute, Karaj, Iran

- 2007-** Assistant Professor, Department of Microbiology, Razi Vaccine and Serum Research Institute, Karaj, Iran
- 2008-** Head of Department of Microbiology, Razi Vaccine and Serum Research Institute, Karaj, Iran
- 2009-** Chief, Reference Laboratory of Leptospira, Iran
- 2012-2014** Manager of Research and education of Razi Vaccine and Serum Research Institute, Karaj, Iran

Other Experience and Professional Memberships

- 2000-2002** Board of directors of Iranian Microbiology Society
- 2000-** Member, Iranian Microbiology Society
- 2005-** Member, International Leptospira Society
- 2006-** Member, International Gonococcal Communications
- 2007-** Member, Indian Microbiology Society
- 2007-** Director of Iranian Type Culture Collection, Razi Vaccine and Serum Research Institute, Karaj, Iran
- 2007-** National Leptospira Committee
- 2007-** Cleaning Validation Committee, Quality Assurance, Razi Vaccine and Serum Research Institute, Karaj, Iran
- 2007-** Assistant Professor (invited), Biology Department, Azad University, Karaj, Iran
- 2008-** Member, European Society of Clinical Microbiology and Infectious Diseases

Honors and Awards

- 2006** General Award from 15th International pathogenic Neiseria Conference 2006 (IPNC06). Cairns Australia
- 2007** Honor student during the Ph.D course, Delhi University, New Delhi, India
- 2008** Best Quality Award for Excellence in Diagnosis, Razi Vaccine and Serum Research Institute, Karaj, Iran
- 2009** Razi Award for best Scientist, Razi Vaccine and Serum Research

Institute, Karaj, Iran

2009 Travel Award from Leptocon congress (International Leptospira society),
Cochin, India

Research Support

Ongoing Research Support

Isolation and identification of pathogenic leptospira serovars in Tehran, Iran.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Field trial of trivalent inactivated vaccine against colibacillosis in poultry.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Identification of different serotypes of Salmonella isolates in Shiraz, Iran.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Detection of Salmonella isolates by slide agglutination test.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Co-Investigator

Completed Research Support

Preparation of strategies guidelines for control and prevention of
Leptospirosis in Iran.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Cytopathic effects of virulence factors of Helicobacter pylori in vitro and
invivo.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Laboratory trials with trivalent inactivated vaccines against colibacillosis in
poultry.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Main investigator

Laboratory trials of *Leptospira* vaccine in cattle.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Co-Investigator

Study of immunization of pathogenic *Leptospira* inactivated by gamma irradiation.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Co-Investigator

Isolation and identification of *Mycoplasma agalactea* in Iran.

Razi Vaccine and Serum Research Institute, Karaj, Iran

Role: Co-Investigator

Academic Background:

Assistant Professor (Scientific faculty member)

Language proficiency:

English, Persian, Kurdish

Publications:

Malekzadeh, F.; **Khaki, P.** Cytopathic effects of Virulence factors of *Helicobacter pylori* on HeLa, BK and BHK-12 cell lines. Journal of Science University of Tehran. 1999. Vol. 25 (1): 27-42.

Banani, M., **Khaki, P.**, Goddarzi, H., Vand Yoosefi, J., Pourbakhsh, S.A. Isolation and Identification of *Ornithobacterium rhinotracheale* from a Broiler and a Pullet Flock. Journal of Pajouhesh-Va-Sazandegi. 2000. No: 46 springs: 106-109.

Khaki, P., & et al. Cytopathic Effects Of Helicobacter pylori On Cultured Mammalian Cells And In The In vivo In IRAN. Razi Vaccine and Serum Research Institute. 2001. No.402.Winter:pp .

Banani, M., Pourbakhsh, S.A., **Khaki, P.** Characterization of *Ornithobacterium rhinotracheale* Isolates from Commercial Chickens. Archives of Razi Institute. 2001. No.52, Dec: 27-37.

Banani, M., Pourbakhsh, S.A., **Khaki, P.**, Nikookhesal Gilvayi, H. Serotyping and Drug Sensitivity of Salmonella Isolates from Commercial Chickens and Domestic Pigeons Submitted to Razi Institute. Journal of Pajouhesh-Va-Sazandegi. 2003. No: 59 Summers: 92-100.

Khafri, A., Vandyousefi, J., Madani, R., Pourdian, M., and **Khaki, P.** Designing an ELISA technique for *H.Pylori* antibody detection using water extracted antigens. Iranian J Publ Health. 2005. 34(2):14-19.

Wadhwa V., Kabra S., **Khaki P.**, Gur R., Bhalla P. Outbreak of burn wound infections by Salmonella enterica serovar Menston and the role of disinfectant testing in finding the cause of spread. The Journal of Hospital Infection. 2006, 65(2): 180-181.

Moradi bidhendi S., Sattari M., Pourbakhsh SA., Mobarez A., **Khaki P.** & et al. Blocking adherence of UPEC E.coli isolate to HEP-2 cells and bladder of mice in presence of antibody against P-fimberiae. Biologicals. 2007. 35:99-105.

Bhalla P, Baveja UK, Chawla R, Saini S, **Khaki P**, Bhalla K, Mahajan S, Reddy BSN. Simultaneous detection of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* by PCR in genithourinary specimens from men and women attending and STD clinic. Journal of Communicable Diseases. 2007, 39 (1): 1-6.

Khaki P., Bhalla P., Sharma P., Chawla R., Bhalla K. Epidemiological analysis of *Neisseria gonorrhoeae* isolates by antimicrobial susceptibility testing,

auxotyping and serotyping. Indian Journal of Medical Microbiology. 2007, 25(3): 225-9.

Khaki P., Bhalla P., Sharma A., Kumar V. Correlation between in vitro susceptibility and treatment outcome with azithromycin in gonorrhoea: a prospective study. Indian Journal of Medical Microbiology. 2007, 25(4): 354-7.

Khaki P., Preena Bhalla, Ahmad Mir Fayaz, SohielaMoradi Bidhendi, Majid Esmailzadeh, and Pawan Sharma. Molecular Typing of Neisseria gonorrhoeae Isolates by Opa-Typing and Ribotyping in New Delhi, India. International Journal of Microbiology. 2009 . Volume 2009, Article ID 934823, 7 pages.

Moradi Bidhendi S, **Khaki P**, Sattari M, and Heidari. Hyperimmune lipopolysaccharide antiserum mediated inhibition of the adherence of E. coli O157:H7 to HEP-2 cells and large intestine of mice. Iranian Journal of Veterinary Research, Shiraz University, Vol. 11, No. 1, Ser. No. 30, 2010.

Moradi Bidhendi S, Ashorzadeh R, and **Khaki P**. Study of effectiveness of three different lysis buffer in DNA extraction of *Leptospira*. Journal of Microbiology knowledge, Vol. 2, No. 6, Spring 2010, 7-12.

Khodaverdi Dariyan E, **Khaki P**, Moradi Bidhendi S and Esmaelizad M. Designing a positive control for molecular diagnosis of pathogen Leptospire by PCR based on *lipI32* gene. Journal of Microbiology knowledge, Vol. 3, No. 9, Spring 2011, 43-47.

Khaki P., Mosavari N, Khajeh Nasiri S, Emam M, Ahouran M, Hashemi S, Mohammad Taheri M, Jahanpeyma D, Nikkhah S. Glanders outbreak at Tehran Zoo, Iran. Iranian Journal of Microbiology (IJM). March 2012, Vol. 4, No. 1: 3-7.

Ghaderi R, Tadayon K, Sargis Avagyan, **Khaki P**, Moradi Bidhendi S, Ken James Forbes, Mosavari N, Toroghi MR, Moosakhani F, Banihashemi R, Sekhavati M and Karimnasab N. The population structure of Salmonella enterica

Enteritidis in Iran analyzed by multiple-locus variable-number tandem repeat analysis. Trop Anim Health Prod. DOI 10.1007/s11250-012-0301-3. 2012.

پژواک خاکی، ابراهیم خداوردی، سهیلا مرادی بیدهندی، حمید یاحقی، مهر انگیز دژبرد، ناهید مجد سلطانی. بررسی میزان فراوانی سروارهای شایع مولد لپتوسپیروزیس در سرم کارکنان کشتارگاه صنعتی دام استان زنجان. مجله دنیای میکروب ها. زمستان ۱۳۹۰ سال چهارم، شماره سوم و چهارم (پیاپی ۱۱) صفحات ۱۰۸-۱۰۱.

ابراهیم خداوردی، پژواک خاکی، ناهید سلطانی مجد، سهیلا مرادی بیدهندی، عماد یاحقی، میثم سرشار. کلونینگ و آنالیز تعیین توالی ژن کد کننده لیپوپروتئین سطحی *lipL32* در باکتری لپتوسپیروا اینتروگانس سرووار واکسینال کانیکولا. مجله بیماریهای عفونی و گرمسیری. شماره ۵۸، صفحات ۳۱ تا ۳۸، پاییز ۱۳۹۱.

سما رضا سلطانی، پژواک خاکی، سهیلا مرادی بیدهندی، مجید اسمعیل زاد، جلیل فلاح مهرآبادی، مریم السادات سلطانی، شیوا مدیرروستا بررسی پلی مورفیسم لوکوس های VNTR4, VNTR10 در سروارهای لپتوسپیروا اینتروگانس در ایران. مجله علمی پژوهشی زیست فناوری میکروبی دانشگاه آزاد اسلامی. زمستان ۹۱، دوره چهارم، شماره پانزدهم، صفحه ۱-۶.

سوده مقتدایی فر، پژواک خاکی، علیرضا همایونی مهر، سید شمس الدین قائم، الهام عزت پناه. مطالعه اپیدمیولوژی سویه های اشرفیشیا کلی جدا شده از طیور گوشتی شهرستان اهواز با استفاده از سروتایپینگ و آزمایش تعیین حساسیت آنتی بیوتیکی. مجله یافته های زیست شناسی. جلد ۸، شماره ۱، ۱۳۹۱.

ناهید سلطانی مجد، پژواک خاکی، ابراهیم خداوردی، سهیلا مرادی بیدهندی. فراوانی آلودگی به لپتوسپیروزیس در کشتارگاه صنعتی استان زنجان با استفاده از روش آزمون آگلوتیناسیون میکروسکوپی (MAT). مجله بیماریهای عفونی و گرمسیری. شماره ۵۷، صفحات ۵۷-۵۳، ۱۳۹۱.

مهدی قره خانی و پژواک خاکی. بررسی جدایه های سالمونلا تولید کننده β -لاکتاماز وسیع الطیف نوع SHV از منابع مختلف با استفاده از روش های فنوتیپی و ژنوتیپی. مجله میکروب شناسی ایران. زمستان ۱۳۹۱ سال ۶، شماره ۱۰، صفحات ۷۱-۵۹.

دژبرد، پژواک خاکی، مجید اسمعیلیزاد، سهیلا مرادی بیدهندی، ابراهیم خداوردی، فریبا فتوحی. افتراق سرووارهای بیماریزای لپتوسپیروا به روش PCR بر مبنای ژن *ompL1* و طراحی یک کنترل مثبت جهت بهینه سازی این تست تشخیصی. مجله میکروب شناسی پزشکی ایران. سال ۶، شماره ۹، ۱۳۹۱.

Nahid Soltani Majd, Ebrahim Khodaverdi Darian, **Pejvak Khaki**, Soheila Moradi Bidhendi, Emad Yahaghi, Reza Mirnejadd. Epidemiological patterns of *Leptospira* spp. among slaughterhouse workers in Zanjan– Iran. Asian Pacific Journal of Tropical Disease. 2012, Vol. 2, Supplement 2, Pages S550–S552.

Gharib Naseri, Mohammad Rahimi, **Pejvak Khaki**. Comparison of the effects of Probiotic, Organic acid and Medicinal plant on *Campylobacter jejuni* challenged broiler chickens. Journal of Agriculture Science and Technology. 2012, No. 14: 1485-1496.

Ebrahim Khodaverdi Darian, Mohammad Mahdi Forghanifard, Soheila Moradi Bidhendi, Yung-Fu Chang, Emad Yahaghi, Majid Esmaelizad, Maryam Khaleghizadeh, and **Pejvak Khaki**. Cloning and Sequence Analysis of LipL32, a Surface–Exposed Lipoprotein of Pathogenic *Leptospira* Spp. Iranian Red Crescent Medical Journal. 2013 November; 15(11): e8793.

Foroug Saraei, Naser Mohamadpour Douneghi, Hossien Zolfagharian, Soheila Moradi Bidhendi and **Pejvak Khaki**. Design and evaluate alginate nanoparticles as a protein delivery system. Archive of Razi Institute. 2013; 68(2): 139-146.

Nasim Karimnasab, Kaivan Tadayon, **Pejvak Khaki**, Soheila Moradi Bidhendi, Rainak Ghaderi, Mohammad Sekhavati, Asadi. An optimized affordable DNA-

extration method from Salmonella enteric Enteritidis for PCR experiments
Archive of Razi Institute. 2013; 68(2): 105-109.

الهام عزت پناه، سهیلا مرادی بید هندی، پژواک خاکی، رایناک قادری، احسان سیدان جاسبی و سوده مقتدایی فر. جداسازی، تعیین سروتیپ و الگوی مقاومت آنتی بیوتیکی سالمونلاهای جدا شده از ماکیان شهرستان اراک. مجله دامپزشکی ایران. دوره نهم، شماره دوم، صفحات ۹۶-۸۸، ۱۳۹۲.

نادر مصوری، زهرا قاسمی، کیوان تدین، پژواک خاکی، رایناک قادری، نسیم کریم نسب. شناسایی ساختار مولکولی جدایه های حیات وحش و آزمایشگاهی بورخولدريا مائلی در ایران. مجله تخصصی بیماریهای مشترک انسان و دام. سال اول، دوره اول، شماره ۲، صفحات ۱۹-۹، پاییز و زمستان ۱۳۹۲.

سما رضا سلطانی، پژواک خاکی، سهیلا مرادی بید هندی، مجید اسمعیلی زاد، مریم سادات سلطانی، شیوا مدیر روستا. بررسی پلیمورفیسم لکوسهای VNTR30 و VNTR36 در سرووارهای بیماری زای لپتوسپیرا در ایران. فصلنامه بیماریهای عفونی و گرمسیری. شماره ۶۳، سال ۱۳۹۲.

Zahra Bozorgkho, Reza Pilechian Langroudi, Pejvak Khaki, Ahmad Reza Jabari, Soheila Moradi Bidhendi. Molecular cloning of Clostridium septicum vaccine strain alpha toxin gene in *E. coli*. Archives of Razi Institute, Vol. 69, No. 1, June (2014) 15-20.

Saraei, Mohamadpour, Zolfagharian, pejvak khaki, Soheila Moradi Bidhendi. Alginate Nanoparticles as a promising Adjuvant and vaccine delivery system. Indian Journal of Pharmaceutical Sciences. 2013, 75(4):442-49.

Reza Pilechian Langroudi and **Pejvak Khaki**. Nucleotide sequencing and putative conserved domains analysis of *Clostridium perfringens* type A alpha toxin gene strain isolated in Iran. Asian Journal of Pharmaceutical Technology & Innovation. 2014; 02 (04): 01-10.

فربیا فتوحی ، پژواک خاکی ، رضا پیله چیان ، بهزاد صالحی ، سهیلا مرادی بید هندی ، مهر انگیز دژبرد. شناسایی مولکولی لپتوسپیروهای بیماریزا به روش PCR بر مبنای ژن *ligB*. فصلنامه طب جنوب. ۱۳۹۳ سال هفدهم، شماره ، صفحات ۵۵۹-۵۵۰.

پژواک خاکی، زهرا روحی ، سهیلا مرادی بید هندی. کاربرد روش میکروآگلوتیناسیون در تعیین سرووارهای لپتوسپیروا. مجله علمی دانشگاه علوم پزشکی گرگان. پاییز ۱۳۹۳ ، دوره ۱۶ ، شماره ۳ (پی در پی) ۱۰۵-۹۹.

Pejvak Khaki, Soheila Moradi Bidhendi, Elham Ezatpanah. PCR-RFLP of isolated *Salmonella* from poultry with *Sau3AI* and *HhaI* restriction endonucleases in Arak. International Journal of Molecular and Clinical Microbiology, 2103, 1: 256-61.

Mehrangiz Dezhbord, Majid Esmaelizad Pejvak Khaki, Fariba Fotohi, Athena Zarehparvar Moghaddam. Molecular identification of the ompL1 gene within *Leptospira interrogans* standard serovars. J Infect Dev Contries, 2014, 8(6), doi:10.3855/jidc.3174: 688-693.

Zohreh Ebrahimvandi; Pejvak Khaki; Shole Darvishi; Soheila Moradi Bidhendi. PCR-RFLP Analysis of a *fliC* Gene Fragment in Avian *Salmonella* Isolates. Int J Enteric Pathog. 2014 July; 2(3): e18831.

Narges Golab; Pejvak Khaki; Fatemeh Noorbakhs. Molecular Typing of *Salmonella* Isolates in Poultry by Pulsed-Field Gel Electrophoresis in Iran. Int J Enteric Pathog. 2014 November; 2(4): e21485.

Narges Cheraghchi; Pejvak Khaki; Soheila Moradi Bidhendi; Azar Sabokbar. Identification of Isolated *Salmonella enterica* Serotype *gallinarum* Biotype *Pullorum* and *Gallinarum* by PCR-RFLP. Jundishapur J Microbiol. 2014 September; 7(9): e19135.

الهام فرخ نظر، پژواک خاکی، سهیلامرادی بیدهندی . بررسی وجور ژن های **ampC** و **esbls** در سویه های اشریشیا کلی جداسازی شده از موارد انسانی و طیور. مجله دنیای میکروب ها. تابستان ۱۳۹۳ سال هفتم شماره دوم (پیاپی ۱۹) صفحات ۱۴۷-۱۳۸.

Soltani, Khaki, Moradi Bidhendi, Shahhosaini. Cloning and Molecular Characterization of Lip41 Gene of *Leptospira interrogans* Vaccinal Serovars in Iran. Archive of Razi Institute. 2014, 69 (2), In press.

Paper Presentations:

Vandyousefi, J., **Khaki, P.** 1998. Leptospirosis in Buffalo. First congress of Buffalo Disease. Abstract P: 66.

Khaki, P., Vandyousefi, J. 1999. Antibacterial effects of Glycyrrhiza glabra, Garlic and Tea on *Helicobacter pylori*. 7th National Conference of Biology. Abstract. P: 119.

Khafri, A., Vandyousefi, J., **Khaki, P.** 1999. Preparation of ELISA Kit to detection of *H.pylori*. The 7th Iranian Congress on Infectious Diseases and Tropical Medicine. Abstract. P: 131.

Khaki, P., Vandyousefi, J., Elyasi, H. 2000. Prevalence of *H.pylori* in the Gastritis and Ulcers Peptic. Proceedings of the Iranian Annual Pathology Congress. P: 128.

Khaki, P., & et al. 1999. *Helicobacter pylori* – Induced Gastritis in the Rhesus Monkey. Proceedings of the 26th World Veterinary Congress (WVA) in France.

Bidhendi Moradi, S., Vandyousefi, J., **Khaki, P.** 1999. Occurrence of *Listeria* species in raw milk and dairy products in Iran. Proceedings of the 26th World Veterinary Congress (WVA) in France.

Khaki, P., Elyasi, H., Fatehi, A.2000.Antibiotic resistance of *Helicobacter pylori* isolates from patients. Proceedings of the Iranian Annual Pathology Congress.P: 259.

Khaki, P., Vandyousefi, J., Elyasi, H.2000. Cytopathic effects of *Helicobacter pylori* in the in vitro and in vivo. The third Microbiology Congress. Abstract. P: 206.

Banani, M., **Khaki, P.**, Jabbari, A, R. & Pourbakhsh.S.A.2000. Biotyping, Serotyping and sensitivity of two isolates of *Pasteurella multocida* in poultry industry of Iran. The 3rd Microbiology Congress. Abstract. P: 105.

Khaki, P., & et al.2000.Isolation and Characterization of *Campylobacter jejuni* from commercial Chickens in Iran.4th National Congress of Zoonoses in Iran.Absract.P: 218.

Khaki P., Vandyousefi, J., Elyasi, H. 2000. Antibacterial effects of *Glycyrrhiza glabra*, Garlic and Tea extracts on *Helicobacter pylori*. 1st International Congress on Traditional Medicine & Materia Medica. Abstract P: 171.

Khaki, P., Vandyousefi, J., Elyasi, H., Fatehi, A.2001.Antibiotic resistance of *Helicobacter pylori* isolates from patients. The 9th Iranian Congress on Infectious Diseases and Tropical Medicine. Abstract. P: 202.

Khaki, P., Alijani Aram, M., & et al.2001.Production of vaccine against *Salmonella typhimurium* based on Gamma irradiation. The 4th Congress of the Microbiology. P: 207.

Vandyousefi, J., Moradi bidhendi, S., **Khaki, P.**2001. Virulence factor of *Mycoplasma* and detection of strains isolated from histopathological specimens. Proceeding of the 4th Congress of the Microbiology. P: 49.

Moradi bidhendi, S., Vandyousefi, J., **Khaki, P.**2001.Identification of isolated *Listeria monocytogenes* by phage typing in Iran. Proceeding of the 4th Congress of the Microbiology. P: 13.

Ameli, M, S., Goltappeh, E, M., **Khaki, P.**2001.Enrichment and isolation of Purple Photosynthetic Bacterium from Mud. Proceeding of the 4th Congress of the Microbiology. P: 144.

Moradi bidhendi, S., Vandyousefi, J., **Khaki, P.** 24-29 Oct 2001. Identification of *Leptospira interrogans* serogroups and their career in Iran. 1st conference on Applications of Biosystematics studies on rodent. Mahshad, IRAN.

Banani, M., **Khaki, P.**, Pourbakhsh, S, A.2002. Isolation of *Acinetobacter lowffi* from chickens. Proceeding of 12th Iranian Veterinary Congress. P: 150.

Khaki, P., Alijani Aram, M., & et al. 2002. Production of vaccine against Salmonellosis. The 10th Iranian Congress on Infectious Diseases and Tropical Medicine. Abstract. P: 41.

Moradi bidhendi, S., **Khaki, P.** 17 Dec 2003. *Pseudomonas* as Bioremediation. 1st Microbiological News Seminar. Qom. Iran.

Moradi bidhendi, S., **Khaki, P.**, Akhavizadegan, M.A.17-21 Jan 2004. Leptospirosis in Human, dog and cat. The 12th Iranian Congress on Infectious Diseases and Tropical Medicine. Tehran.Iran.

Moradi bidhendi, S., **Khaki, P.**, Akhavizadegan, M.A.18-21 Feb 2004. Survey of gamma irradiation on *Leptospira interrogans*. The 6th Iranian Congress of the Microbiology. Tehran.Iran.

Khaki, P., & et al. 2nd National conference BioTech, Biotechnology Society of India, New Delhi, India. 13th – 15th October 2004.

Khaki, P., & et al. The International Symposium on Emerging Trends in Tuberculosis Research, International Center for Genetic Engineering and Biotechnology, New Delhi, India. 15th-17th November, 2004.

Khaki, P., & et al. The XXVIII-Annual Conference of Indian Association of Medical Microbiologists,Lucknow, India. November 25-28, 2004.

Moradi bidhendi, S., **Khaki, P.**, khorsand,A. Prevalence of Leptospirosis in Human. The 13th Iranian Congress on Infectious Diseases and Tropical Medicine. Tehran.Iran. 11-15 Dec 2004.

Moradi bidhendi, S., **Khaki, P.**, Akhavizadegan, M.A. Study of efficacy dose of gamma irradiation on antigenicity of *Leptospira interrogans*.14-15 June 2005. The 1st Iranian Academic Congress on Zoonotic Diseases. Karaj.Iran.

Moradi bidhendi, S., Vandyousefi, J., **Khaki, P.** Seroepidemiological study of Leptospirosis in cattle.14-15 June 2005. The 1st Iranian Academic Congress on Zoonotic Diseases. Karaj.Iran.

Khaki, P., & et al. 33rd National Conference of Indian Association of Dermatologists, Venereologists & Leprologists & 4th International Asian Regional Conference of Dermatology Venereology and Leprology (DERMACON),Delhi, India. 3rd-6th February, 2005.

Khaki, P., & et al. The Continuing Medical Education in Rational Use of Drugs, Maulana Azad Medical College, New Delhi, India.16th and17th February, 2005.

Khaki, P., & et al. Indian Association of Medical Microbiologists-Delhi Chapter. Maulana Azad Medical College. New Delhi. India. 8th October 2005.

Khaki, P., & et al. National Conference on Fungal Infections. Sir Ganga Ram Hospital. New Delhi. India. 12th November 2005.

Khaki, P., & Moradi bidhendi, S. Prevalence of leptospirosis in Iran. 4th Scientific Meeting of International Leptospirosis Society. Chiang Mai. Thailand. 14-16 November 2005.

Moradi bidhendi, S., & **Khaki, P.** Preparation and standardization of Trivalent *Leptospira* Vaccine in Sheep and Cattle. 4th Scientific Meeting of International Leptospirosis Society. Chiang Mai. Thailand. 14-16 November 2005.

Khaki, P., & et al. Medicine Update-2005. Maulana Azad Medical Coolege, New Delhi. India.15-17 December 2005.

Khaki, P., & et al. National Conference on Infectious Diseases. Sir Ganga Ram Hospital. New Delhi. India. 17-18 December 2005.

Khaki, P., et al. Epidemiological study of gonococcal isolates based on diversity of the *opa* gene. 15th International pathogenic Neiseria Conference 2006 (IPNC06). Cairns Australia. 10-15 September 2006.

Khaki, P., et al. Epidemiological study of Neisseria gonorrhoeae isolates by auxotyping and serotyping. 15th International pathogenic Neiseria Conference 2006 (IPNC06). Cairns Australia. 10-15 September 2006.

Khaki P., Moradi bidhendi S., Akhavizadegan M., Pourbakhsh SA. Immunization of chicks by fimbrial antigens of *Escherichia coli*. 5th National Congress on Zoonotic Diseases. Karaj.Iran. 21-23 November 2007.

Khaki P., and Moradi bidhendi S. Seroepidemiological study of pathogenic leptospire in Tehran, Iran. 9th Iranian Congress of Microbiology, Kerman, Iran. 4-6 March 2008.

Soheila Moradi Bidhendi, **Khaki P,** Seyed Ali Pourbakhsh,1 Morteza Sattari, Ashraf Mobarez. Inhibitory effect of polyvalent antisera of P-fimberia in attachment of bacteria to HEP-2 cell and murine model. 9th Iranian Congress of Microbiology, Kerman, Iran. 4-6 March 2008.

Soheila Moradi Bidhendi, and **Khaki P.** Preparation of Pentavalent leptospira vaccine used in sheep and cattle. 9th Iranian Congress of Microbiology, Kerman, Iran. 4-6 March 2008.

Chapardar J., **Khaki P.,** Moradi Bidhendi S. Prevention, Prevalence and Transmission of Salmonellosis in Iran. 9th Iranian Congress of Microbiology, Kerman, Iran. 4-6 March 2008.

Khaki P., Preena Bhalla, Pawan Sharma, Sohiela Moradi Bidhendi. Comparison of two Disc Diffusion Methods with Minimum Inhibitory Concentration for Antimicrobial Susceptibility Testing of *Neisseria gonorrhoeae* Isolates. 18th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Barcelona, Spain, 19-22 April 2008.

Hemmaty M, Zibaee S., **Khaki P.**, Moradi Bidhendi S., sadeghi Ghozhdeh. A., Bozari M.K. A survey on *Leptospira interrogans* prevalence in slaughtered camels in industrial slaughterhouse of Mashhad. The Regional Conference of Camel Research Prioritis, Mashhad, Iran, 15-16 April 2009.

Khaki P., Moradi Bidhendi S., shafaii K. Study of immunization of *Salmonella typhimurium* inactivated by gamma irradiation in mice. 5th Iranian Congress of Virology and 1st Congress of Vaccine, Karaj, Iran, 1-3 May 2009.

Khaki P., Moradi Bidhendi S., Seyed Ali pourbakhsh S A ., Mohammad Ali Akhavizadegan M A ., Banani M ., Chapardar J. Vaccine against avian colibacillosis. 5th Iranian Congress of Virology and 1st Congress of Vaccine, Karaj, Iran, 1-3 May 2009.

Soheila Moradi Bidhendi, **Khaki P.**, Shafai K. Evaluation of immunization of leptospiral vaccine. 5th Iranian Congress of Virology and 1st Congress of Vaccine, Karaj, Iran, 1-3 May 2009.

Moradi Garavand M., **Khaki P.**, Moradi Bidhendi S., Meshkat M. Field trials of commercial Razi vaccine against leptospirosis in Iran. 5th Iranian Congress of Virology and 1st Congress of Vaccine, Karaj, Iran, 1-3 May 2009.

Khaki P. and Moradi Bidhendi S. Multidrug-Resistant of *Salmonella enterica* serovars in Iran. FEMS 2009-3rd Congress of European Microbiologist, Gothenburg, Sweden, June 28-July 2, 2009.

Khaki P. and Moradi Bidhendi S., Eliasi H. , Alimoradi M. Study of pathogenesis of *Helicobacter pylori* in vitro and in vivo. FEMS 2009-3rd Congress of European Microbiologist, Gothenburg, Sweden, June 28-July 2, 2009.

Khaki P. and Moradi Bidhendi S. Comparison of vaccines prepared from Leptospiral antigens by different methods. Leptocon 2009 - 6th Conference of International Leptospirosis Society (ILS), Cochin, India, 21-24 September 2009.

Khaki P., Moradi Bidhendi S., DOUNGHAWEE G., EsmailiZade M., Ashor Zadeh R., Abdolah Pour M., Afkhamnia M R. Detection of pathogenic *Leptospire*s in urine from cattle by PCR. Leptocon 2009 - 6th Conference of International Leptospirosis Society (ILS), Cochin, India, 21-24 September 2009.

Soheila Moradi Bidhendi **Khaki P.**, Karimi K, Afkhamnia M R., Morad Moradi. Seroepidemiological survey of Leptospirosis among abattoirs in Qazvin province. Leptocon 2009 - 6th Conference of International Leptospirosis Society (ILS), Cochin, India, 21-24 September 2009.

Soheila Moradi Bidhendi, **Khaki P.**, Afkhamnia M R., Saeid Zibaei S., Hemati M. Seroepidemiological study of Leptospirosis in Camels in North of Iran. Leptocon 2009 - 6th Conference of International Leptospirosis Society (ILS), Cochin, India, 21-24 September 2009.

Khaki P., Kamai Amirkhani Sh, Mohamadpour N., Moradi Bidhendi S., Zolfagharian H. Preparation of alginate microspheres containing E.coli O1 for delivery of vaccine against colibacillosis. 11th Iranian Congress of Microbiology and 1st Eastern Mediterranean Congress of Microbiology, Langroud, Iran. 10-13 May 2010.

Abdollahpour Alittapeh M., **Pejvak Khaki**, Moradi bidhendi S., Esmaelizad M., Tadayon K. Standardization of Variable-Number Tandem-Repeat method

for characterization of pathogenic *Leptospira. Spp.* 11th Iranian Congress of Microbiology and 1st Eastern Mediterranean Congress of Microbiology, Langroud, Iran. 10-13 May 2010.

Moradi Bidhendi S., **Khaki P.**, Ashoorzadeh R. DNA purification of leptospira by using a new modified buffer. 11th Iranian Congress of Microbiology and 1st Eastern Mediterranean Congress of Microbiology, Langroud, Iran. 10-13 May 2010.

Moradi Bidhendi S., **Khaki P.**, Abbasi E., Ghaderi R. Multidrugresistant of Salmonella isolates from poultry products in 1388. 11th Iranian Congress of Microbiology and 1st Eastern Mediterranean Congress of Microbiology, Langroud, Iran. 10-13 May 2010.

Khaki P., Moradi Bidhendi S., Ashoorzadeh R., Zareparvar Moghadam A. Comparison of Three methods for extraction of DNA from Leptospira. 11th Iranian Congress of Microbiology and 1st Eastern Mediterranean Congress of Microbiology, Langroud, Iran. 10-13 May 2010.

Khaki P., Kamai Sh, Mohammadpur N, Moradi Bidhendi S. Investigation of the immunogenicity of microencapsulated *E.coli* antigen for their use in vaccine against colibacillosis. 10th International Congress of Immunology and allergy of Iran. Tehran,. Iran. 2010.

Mohammadpour N., Zolfagharian H., Behfar A., Zarea A., **Khaki P.**, Moradi Bidhendi S., Sarai F., Emami M., Akbari A., Rabieae H., Ezabadi A. Preparation of nonoparticles containing antigens as a novel antigen delivery systems. 10th International Congress of Immunology and allergy of Iran. Tehran,. Iran. 2010.

Khaki P., Moradi Bidhendi S., Ghaderi R. Extended Spectrum β -Lactamase producing Salmonella enterica sertypes. 6th Conference on New Frontiers in Microbiology and Infection. Switzerland. 2010

Moradi Bidhendi S., **Khaki P.**, Ghaderi R. Isolation and Multidrug resistant of Salmonella enterica between 2009-2010 in IRAN. 6th Conference on New Frontiers in Microbiology and Infection. Switzerland. 2010

Ghaderi R., **Khaki P.**, Moradi Bidhendi S., Tadayon K. Molecular characterization of Salmonella enterica serotype Enteritidis isolates from human and poultry in Iran. 6th Conference on New Frontiers in Microbiology and Infection. Switzerland. 2010

Khodaverdi darian E., **Khaki P.**, Moradi Bidhendi S., Ebrahimi Z., Zareparvar Moghadam A ., Esmaeilizad M. Molecular diagnosis of pathogen leptospire based on *Lip32* gene. 4th Iranian Congress of Clinical Microbiology. Esfahan, Iran. 2010.

Inanlou F., **Khaki P.**, Mohammadpour N., Zolfagharian H. The study of bovine serum albumin (model protein) alginate nanospheres as a antigen delivery system. 4th Iranian Congress of Clinical Microbiology. Esfahan, Iran. 2010.

Emami MA. , **Khaki P.**, Mohammadpour N., Zolfagharian H., Moradi Bidhendi S., Saraei F. Investigation of the effect of different physical conditions on preparing alginate nanoparticles containing tetanus toxoid as a new vaccine. 4th Iranian Congress of Clinical Microbiology. Esfahan, Iran. 2010.

Saraei F., Moradi Bidhendi S., Mohammadpour N., Zolfagharian H., **Khaki P.**, Emami MA. Use of alginate nanoparticles containing diphteria toxoid in vaccine delivery: The effect of different concentrations of sodium alginate and calcium choloride on nanoparticles characteristics. 4th Iranian Congress of Clinical Microbiology. Esfahan, Iran. 2010.

Zareparvar Moghadam A ., **Khaki P.**, Moradi Bidhendi S., Esmaeilizad M., Khodaverdi darian E., Afkhamnia MR. Molecular detection of pathogenic and saprophytic leptospiral serovars by PCR based on 16srRNA gene. 4th Iranian Congress of Clinical Microbiology. Esfahan, Iran. 2010.

Khodaverdi darian E., **Khaki P.**, Moradi Bidhendi S., Ebrahimi Z., Esmailizad M. Cloning and sequencing of *Lip32* gene of *Leptospira interrogans*. The 19th Iranian Congress on Infectious Diseases and Tropical Medicine. Tehran.Iran. 25-29 Dec 2010.

Saraei F., Moradi Bidhendi S., Mohammadpour N., Zolfagharian H., **Khaki P.**, Emami MA., Inanlou F. Preparation of alginate nanoparticles containing diptheria toxoid as antigen delivery in vaccination. 1th Congress of nanodrugs. Ahwaz, Iran. 26 and 27 Feb 2011.

پیامد های پروتکل ۵ ساله پیشگیری از لپتوسپیروزیس و واکسیناسیون هدفمند علیه لپتوسپیروزیس. دکتر مراد مرادی گراوند، **دکتر پژواک خاکی**، دکتر حسن اختیار زاده، دکتر سهیلا مرادی بیدهندي، دکتر غلامرضا مودنی جولا . دومین کنگره کشوری تب شالیزار- ساری- تیر ۱۳۹۰

استفاده از کنترل مثبت در تشخیص ملکولی لپتوسپیرو اینتروگانس توسط PCR. ابراهیم خداوردی داریان، **دکتر پژواک خاکی**، دکتر سهیلا مرادی بیدهندي، مجید اسمعیلی زاد، آتنا ذره پرور مقدم، فاطمه اینانلو . دومین کنگره کشوری تب شالیزار- ساری- تیر ۱۳۹۰

شناسایی تفریقی لپتوسپیرو های بیماریزا و غیر بیماریزا بر اساس ژن ۱۶srRNA. آتنا ذره پرور مقدم، دکتر **پژواک خاکی**، دکتر سهیلا مرادی بیدهندي، مجید اسمعیلی زاد، فاطمه اینانلو . دومین کنگره کشوری تب شالیزار- ساری- تیر ۱۳۹۰

Pejvak khaki, Moradi Bidhendi S., Esmailizad M., Khodaverdi Dariyan E. Molecular characterization gene encoding outer membrane protein Lip132 of *Leptospira interrogans* serovar icterohaemorrhagiae. 2nd National Congress on Leptospirosis, Sari, Iran. June 2011.

Abdollahpour Alitappeh M., **khaki P**, Moradi Bidhendi S., Najminejad H, Esmailizad M, Tadayon K. Molecular differentiation between leptospira canicola & *Leptospira icterohaemorrhagiae* serovars by VNTR analysis. 2nd National Congress on Leptospirosis, Sari, Iran, June 2011.

بررسی و تعیین میزان شیوع آلودگی به لیتوسپیروزیس در کشتارگاه صنعتی استان زنجان با استفاده از روش آزمون آگلوتیناسیون میکروسکوپی (MAT). ناهید سلطانی مجد، دکتر پژواک خاکی، دکتر سهیلا مرادی بیدهندي، ابراهیم خداوردی داریان، مهرانگیز دژبرد، فریبا فتوحی. بیستمین کنگره بیماری های عفونی و گرمسیری ایران، دی- ۱۳۹۰

Ghaderi R., **Khaki P.**, Avagian S., Banihashemi S., Moradi Bidhendi S., Sekhavati M., Ezatpanah E., Jozebayat L., Futoma Koloch B., Tadayon K. The very unusual conserve population structure of salmonella enterica serovar Enteritidis in Iran, a descriptive account from a molecular epidemiology standpoint. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Ezatpanah E., Moradi Bidhendi S., **Khaki P.**, Ghaderi R., Moghtadaee Far S. Isolation, serotyping & antibiotic resistance pattern of salmonella from poultry in Arak. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Emami M., **Khaki P.**, Mohamadpour Dounighi N., Zolfagharian H., Moradi Bidhendi S., Saraei F., Inanlou F. The effect of different physical conditions on preparing alginate nanoparticles as a vaccine delivery. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Saraei F., Moradi Bidhendi S., Mohamadpour Dounighi N., Zolfagharian H., Emami M., Inanlou F., **Khaki P.** Alginate nanoparticles: new promising vaccine delivery systems for bacterial diseases. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Zareparvar moghadam A., **Khaki P.**, Moradi Bidhendi S., Esmailizad M., Khodaverdi Dariyan E., Inanlou F. Differentiation between pathogenic & saprophytic Leptospire by multiplex PCR. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Khodaverdi Dariyan E., **Khaki P.**, Moradi Bidhendi S., Esmailizad M., Ebrahimi Z., Zareparvar moghadam A. Detection of pathogenic *Leptospira* by based on *LipI32* gene. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Pejvak Khaki, Khodaverdi Dariyan E., Moradi Bidhendi S., Esmailizad M. Cloning & sequencing of gene encoding outer membrane protein *LipI32* of *Leptospira interrogans* serovar Grippotyphosa. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Moghtadaee Far S., **Khaki P.**, Homayuni Mehr AR., Moradi Bidhendi S., Ghaemmaghami SH., Ezatpanah E. Epidemiological studies of *E.coli* isolates by serotyping & antimicrobial susceptibility testing in Ahwaz. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Moradi Bidhendi S., **Khaki P.**, Ezatpanah E., Ghaderi R., Moghtadaee Far S. Molecular detection of *Salmonella* serovars by PCR based on *fliC* gene from poultry in Arak. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

Khaki P., Moghtadaee Far S., Homayuni Mehr AR., Moradi Bidhendi S., Ghaemmaghami SH., Ezatpanah E. Isolation & detection of *E.coli* serovars by PCR based on *fliC* gene from poultry flocks in Ahwaz. First International & 12th Iranian Congress of Microbiology. Kermanshah, Iran, May 2011.

K. Gharib Naseri, S. Rahimi, and **P. Khaki**. Effects of medicinal plants, probiotic and organic acids on *Campylobacter* excretion, immune response and serum lipids in broilers. Poultry Science Association and American Association of Avian Pathologists (AAAP) congress. Missouri, USA, July 16–19, 2011.

H. Hoseinyan Bilandi¹, S. Rahimi, A. Jabari, **P. Khaki**, and A. Haghrusta. The effect of probiotic and prebiotic in comparison with antibiotic on controlling

necrotic enteritis in *clostridium perfringens* challenged broilers. Poultry Science Association and American Association of Avian Pathologists (AAAP) congress. Missouri, USA, July 16–19, 2011.

Mehrangiz Dezhbord., **Pejvak Khaki.**, Nahid Soltani Majd., Fariba Fotohi., Majid Esmaelizad. Molecular analysis of the OmpL1 gene of *L. interrogans* vaccinal serovars in Iran. The 13th Iranian and 2nd International Congress of Microbiology, Ardabil, Iran, July 14-16, 2012.

Ebrahim Khodaverdi Darian., Majid Esmaelizad., Mehrangiz Dezhbord., Nahid Soltani Majd., Soheila Moradi Bidhendi., **Pejvak Khaki.** Molecular cloning and sequence analysis of outer membrane lipoprotein encoding gene LipL32 of *leptospira interrogans* vaccinal serovars in Iran. The 13th Iranian and 2nd International Congress of Microbiology, Ardabil, Iran, July 14-16, 2012.

Nahid Soltani Majd., Ebrahim Khodaverdi Darian., Mehrangiz Dezhbord., Fariba Fotohi., Soheila Moradi Bidhendi. **Pejvak Khaki.** Seroprevalence of leptospirosis in livestock slaughterhouse workers in zanzan province in Iran. The 13th Iranian and 2nd International Congress of Microbiology, Ardabil, Iran, July 14-16, 2012.

Fariba Fotohi., **Pejvak Khaki.**, Reza pilehchian Langrod., Behzad Salehi., Mehrangiz Dezhbord., Nahid Soltani Majd., Soheila Moradi Bidhendi. Designing a positive control for molecular diagnosis of pathogenic leptospires by PCR based on LigB gene. The 13th Iranian and 2nd International Congress of Microbiology, Ardabil, Iran, July 14-16, 2012.

Sama Rezasoltani., **Pejvak Khaki.**, Majid Esmaelizad., Soheila Moradi Bidhendi., Shiva Modir Rosta. Study of PCR pattern in two VNTR(4&7) in three serovars of *leptospira*(vaccinal & pathogenic). The 13th Iranian and 2nd International Congress of Microbiology, Ardabil, Iran, July 14-16, 2012.

