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Publications:

۱. Molecular detection of *Bordetella holmesii* in two infants with pertussis-like syndrome: the first report from Iran. Lotfi MN, Nikbin VS, Nasiri O, Badmasti F, Shahcheraghi F. Iran J Microbiol. ۲۰۱۷ Aug; ۹(۴):۲۱۹-۲۲۳. (۲۰۱۷)
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۷۸. Isolation and purification of major outer membrane proteins from Brucella abortus.,**F. Shahcheraghi**, M.Sc: M.B, Eslami Ph.D. et al. Medical Journal of Islamic Republic of Iran v (۱۲): ۱ may ,(۱۹۹۸)

۷۷-الگوی مقاومت آنتی بیوتیکی سالمونلا های جدا شده از نمونه های بالینی بیمارستان های تهران . فرشته شاهچراغی، سیده ریحانه بنی سعید - محمد مهدی اصلانی - وجیهه سادات نیک بین - محمد فائزی. فصلنامه بیماری های عفونی و گرمسیری وابسته به انجمن متخصصین بیماری های عفونی و گرمسیری - سال شانزدهم - شماره ۵۵ (۱۳۹۰)

۷۸. بررسی پمپ تراوشی AdeABC در سویه های اسپینتو باکتر مقاوم به ایمی پنم جدا شده از بیمارستان های تهران. فرشته شاهچراغی، مونا عابدین - سید فضل ا... موسوی - وجیهه سادات نیک بین. فصلنامه میکروبیشناسی - سال سوم - شماره ۱۱ (۱۳۹۰)

Projects:

International projects:

١. Pertussis Immunization programs in low and middle income countries (PERILIC)
٢. Evolution and adaptation of predominant Iranian isolates of *B. pertussis* and their relationship with global isolates.
٣. Study of Metallo Betalactamases in gram Negative Bacteria (Enterobacteriaceae & Non Fermentative) Isolated from Clinical Samples

national projects:

٤. Molecular typing of carbapenemase producing Enterobacteriaceae isolates and determine the genomic structure of plasmids carrying carbapenemase genes.
٥. Study of polymorphism in virulence factors, Pertussis Toxin, Pertactin & Fimbriae in *Bordetella Pertussis* bacteria Isolated from Clinical Samples
٦. Molecular detection of all clinically relevant *Bordetella* spp. during one year
٧. Study of molecular epidemiology of virulence factors and antimicrobial susceptibility in *Bordetella pertussis* isolated from clinical specimens
٨. Detection and isolation of *Bordetella* species from pertussis suspected patients by real-time PCR assay.
٩. Pertussis Immunization programmes in Low and Middle Income Countries
١٠. Molecular epidemiology of carbapenemase producing *Pseudomonas aeruginosa* Isolates from ICU patients
١١. Study of R-factor in bacteria isolated from wound infection and operation room.

۱۲. Chemical analysis of outer membrane proteins of *B. abortus* and study of CMI response against these proteins.
۱۳. Chemical analysis of outer membrane proteins of *N.meningitidis* and humoral response against these proteins in rabbits.
۱۴. Genetic analysis and plasmid profile of *Pseudomonas aeruginosa* isolated from burned patients.
۱۵. Study of antibiotic resistance and plasmid profile and β -Lactamase production of *E. coli* isolated from UTI in Tehran , Iran.
۱۶. Study of Multi drug resistance in *serratia marceccens* (one year in Japan, Sabbatical).
۱۷. Gene cloning and characterization of multi drug efflux pump in *Pseudomonas aeruginosa*.
۱۸. Investigation of metallo β -Lactamase in antibiotic resistance gram negative bacteria.
۱۹. Investigation of Extended–Spectrum-Beta-Lactamase in antibiotic resistance gram negative .
۲۰. Molecular characterization of integrons harboring MDR genes and mechanism of expansion of resistance genes in gram negative bacteria isolated from clinical settings

Teaching activities:

۱. ۱۹۸۸-۱۹۹۷: working at Shiraz medical university as lecturer in medical microbiology, teaching medical bacteriology, systematic bacteriology and practical bacteriology.
۲. **From ۱۹۹۸ until now:** working at Pasteur Institute as supervision of postgraduate student thesis and teaching general bacteriology , systematic bacteriology and practical bacteriology.