

Curriculum Vitae

Name and Surname: Mahdi sedaghatpour

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PROFESSIONAL SUMMARY

Quality-focused Lab Technician with 12+ years of experience performing a wide variety of molecular assays such as conventional PCR, Real Time PCR, and cDNA synthesis as well as medical diagnostic testing and chemical analysis of body fluids. Skilled in the area of animal models studies.

Education

- 2006-2010: Microbiology , B.Sc., Islamic Azad University North Tehran Branch
Tehran,Iran
- 2011-2014: Microbiology , Master of Microbiology, ., Islamic Azad University North
Tehran Branch ,Tehran,Iran

Professional experience

- 2013 -Till date: Research Asistance, Department of Bacteriology, Pasteur Institute of Iran

Research summary

I am a researcher who is very interested in the field of clinical laboratory science and medical microbiology in all my undergraduate courses. For the past tow years, I have been working as a researcher assistant at the Pasteur Institute of Iran in Tehran. IN MY CAREER, I worked on all aspects of antibiotic resistance, molecular assays, and medical diagnosis.

Technical and spiritual proficiency

Techniques

- **Bacterial culture and identification, and antimicrobial susceptibility testing:** Design of media or primer; isolation and detection of ubiquitous, fastidious or anaerobic bacteria

- **Molecular typing:** PFGE and MLST and other PCR-based typing
- **Protein based techniques:** ELISA, SDS-PAGE, and Western blotting, hplc
- **Animal handling:** Mice/Rats/Rabbit/ Guinea pig
- **Familiar with Eukaryotic cell culture and electron microscopy**

Skills

- **Thinker:** Easily develops novel ideas
- **Research study designer:** Applying a set of procedures properly
- **Team working spirit and leadership:** Flexible
- **Wet-lab working:** Independent
- **Public presentation:** Good verbal speaker with a strong background in teaching

Projects and students

Projects:

- The effect of some heavy metals on the microbiota pattern of gastrointestinal tract in individuals with heavy metals at serum level in a heavy metal contaminated area in Tehran
- The effect of Bifidobacterium and Lactobacillus probiotics cocktails on autophagy signaling pathway in the in-vitro model of Inflammatory Bowel Disease (IBD).
- The executive staff of the first Bacteriology Conference of Pasteur Institute of Iran
- Executive Board of the International Congress of Laboratory Quality Control

Publications

IN PROGRESS ...

- Evolutionary genomics of recent clinical Bordetella pertussis isolates from Iran: wide circulation of multiple ptxP3 lineages and report of the first ptxP3 filamentous hemagglutinin-negative B. pertussis
- Effect consumption of Glutamine supplement on aerobic power, anaerobic power and body composition of soccer players
- Hospital-based prospective study of pertussis in infants and close contacts in Tehran, Iran
- Isolation and Genomics of multidrug-resistant Brevundimonas diminuta collected from patients with pertussis-like symptoms
- Isolation and genomics of environmental multidrug resistant Brevundimonas diminuta from patients with pertussis-like symptoms

Conferences/Presentations

- 5 conferences and 2 oral presentations
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Academic references

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