

## Contact Information:

Name: Niloufar Rashidi

Address: Laboratory Science department, School of Allied Medical Sciences, Iran University of Medical Sciences, Tehran, Iran

Email: [ni.rashidi@gmail.com](mailto:ni.rashidi@gmail.com) [rashidi.ni@iums.ac.ir](mailto:rashidi.ni@iums.ac.ir)

Phone: +989131942891

## Educational Background:

**2006-2011 Ph.D.** Medical Bacteriology, Faculty of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

**Thesis title:** Investigation of *Helicobacter Pylori* Catalase epitopes, Production of Recombinant Catalase, and Comparison of TCD4 + cells responses to epitopes and Recombinant Catalase

**2001-2003 M.Sc.** Medical Microbiology, Faculty of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

**Thesis title:** Comparison of salivary anti *Helicobacter pylori* IgG with serum IgG by commercial ELISA kit, in- house ELISA kit and detecting *Helicobacter pylori* infections by bacteriological tests

**1995-1999 B.Sc.** Microbiology, Faculty of science, Azad University, Isfahan, Iran

## Professional Activities

---

Iran University of Medical Sciences, Tehran, Iran      January 2017 –Present

Position: **Assistant Professor in Medical Bacteriology**

### Responsibilities:

- Undertaking teaching at undergraduate and/or postgraduate levels and carrying out all related activities, achieving good sustained levels of student progression and feedback.
- Facilitating, developing, and supporting innovative teaching activities and practices.
- Providing a high-quality education and supervision experience, resulting in high levels of student satisfaction.
- Providing high-quality supervision for graduate students' theses, resulting in high levels of student satisfaction.
- Distinguished reputation for my function as responsible of instructional accreditation , the scientific committee of student evaluation also responsible of evaluation unite of faculty members in the university and faculty
- Graduate Courses: Food Bacteriology1, Food Bacteriology Laboratory1, Food Bacteriology 2, Food Bacteriology Laboratory2, Food Toxicology, Food Disinfectants, Advanced Food Microbiology

- Undergraduate Courses: General Microbiology, Medical Bacteriology, General Microbiology Laboratory, Medical Bacteriology Laboratory, Bacteriology and Parasitology, Microbiology and Sterillization

Ahvaz University of Medical Sciences, Ahvaz, Iran      August 2012 – January 2017

Position: **Assistant Professor in Medical Bacteriology**

**Responsibilities:**

- Undertaking teaching at undergraduate levels and carrying out all related activities, achieving good sustained levels of student progression and feedback
- responsible of the scientific committee of student research in faculty
- Providing a high-quality education and supervision experience, resulting in high levels of student satisfaction.
- Supporting the development of new undergraduate programmes and enriching the student experience through practical and lab activities.
- Undergraduate Courses: General Microbiology, Medical Bacteriology, General Microbiology Laboratory, Medical Bacteriology Laboratory, Bacteriology and Parasitology, Microbiology and Sterillization

Ahvaz University of Medical Sciences, Ahvaz, Iran      2011-2012

Position: **Senior Researcher**

**Responsibilities:**

- Designing and defining research projects based on the health and medical needs of society
- Carrying out and progressing research projects
- Assist graduate students in conducting research projects

Ahvaz University of Medical Sciences, Ahvaz, Iran      2004-2006

Position: **Senior Technologist**

**Responsibilities:**

- Cooperation in carrying out research projects
- Preparation of materials and arranging tests for students' practical lesson sessions
- Monitoring the correct performance of experiments by students and interpreting them for students

**Memberships:**

---

- Iranian Society for Microbiology
- American Society for Microbiology
- European Society for Microbiology
- Head of the judgment committee in the 4th congress of novel and innovative laboratory technologies, Oct 2016

- Member of the judgment committee in the 5th congress of novel and innovative laboratory technologies, Oct 2017
- Head of the judgment committee in the 9th international congress of laboratory and clinic, Feb 2017
- Member of the scientific committee in the 9th international congress of laboratory and clinic, Feb 2017
- Deputy secretary of the scientific committee in the 5th national and the 1st international congress of novel and innovative laboratory technologies, Oct 2017

## **Publications/Conference Presentations/Book Publishing/Patents**

---

### **Book**

“Principles and techniques of sampling in the laboratory Food microbiology, including general food mycology”; **N.Rashidi**, A.Vaezi, A.Mortazavigh, J.Allahverdy, 2023, (in persian)

Please provide the list of my journal articles to this link:

<https://scholar.google.com/citations?user=8c9aTU4AAAJ&hl=en>

### **Patents:**

- A diagnostic method of candidiasis infection, Under Review
- A Kit for the simultaneous detection of Salmonella serotypes and Shigella species by Real Time multiplex PCR in food samples, Under Review

### **Selected Journal Papers:**

1. Gharavi MJ, Zarei J, Roshani-Asl P, Yazdanyar Z, Sharif M, **Rashidi N\***. Comprehensive study of antimicrobial susceptibility pattern and extended spectrum beta-lactamase (ESBL) prevalence in bacteria isolated from urine samples. Scientific Reports, 2021; 11 (1), 1-11
2. Sorkh MAG, Shokoohizadeh L, **Rashidi N\***, Tajbakhsh E. Molecular Analysis of *Pseudomonas aeruginosa* Strains Isolated from Burn Patients by Repetitive Extragenic Palindromic-PCR (rep- PCR). Iranian Red Crescent Medical Journal, 2017; 19 (4)
3. Mirzaei N, Poursina F, Moghim S, and **Rashidi N**. The study of H. pylori putative candidate factors for single-and multi-component vaccine development. Critical reviews in microbiology, 2017; 43 (5), 631-650

### **Selected Conference Proceedings:**

1. Prevalence of *Helicobacter pylori* infection in Fardis, Iran. 12th International Congress of Laboratory and Clinic, 2019, Tehran, Iran.
2. *Helicobacter pylori*: Antibiotic resistance and new therapeutic challenges. 14th International Congress of Laboratory and Clinic, 2023, Tehran, Iran.
3. The role of procalcitonin in the diagnosis of bacterial pneumonia in heart failure disease. The 2nd international congress of laboratory diagnosis, 2023, Tehran, Iran.

**Selected Research Projects:**

- Evaluation of anti-inflammatory effect of *Lactobacillus salivarius* on the expression of inflammatory and anti-inflammatory cytokines in gastric cancer cell line
- Evaluation of the effect of *Lactobacillus bulgaricus* supernatant against *Helicobacter pylori* infection by modulating immune responses in PBMC

**Laboratory skills**

Protein extraction & Purification , ELISA , ELISpot, PBMC culture & Cell Proliferation Assay, Epitope prediction, Western blot, SDS-page, Gene Expression, DNA& RNA extraction, PCR, RT-PCR, cDNA synthesis, Primer designing, Cloning, Transformation, Electroporation, Crossing over PCR, Deletion Mutation, Biofilm Formation, Medical Microbiology, Molecular Microbiology, Mart system for culturing *anaerobes* and micro aerobes, Antibigram and Antibiotic Resistance, E-test.

**Data Bank Entries:**

Seven epitopes of *Helicobacter pylori* catalase:

MVNKDVKQTTKKVLLQSTWFLKKFHPFDVTKIKKWVKFH  
FHTMQKKVKHLTNEEAKKYRADDSDYYKKYYRSLPADEK

(GenBank accession number: Cat JQ361787)

**Visiting scientist:**

(February 1, 2014 to August 6, 2014): University of Texas Health science center at Houston (UTHealth)

(Identifying factors contributing daptomycine (DAP) resistance by *Enterococcus faecalis*)