

Contact Information:

Name: Niloufar Rashidi

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Academic Rank:

Assistant of Professor of Medical Bacteriology, Laboratory Science department, School of Allied Medical Sciences, Iran University of Medical Sciences, Tehran

Educational Background:

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

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

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

Publications

Fazeli A, Tamizifar H, Rashidi N. Comparison of salivary anti *Helicobacter pylori* IgG with serum IgG and bacteriological tests in detecting *Helicobacter pylori* infections. *Journal of Research in Medical Sciences*, 2005; 10(1):1-5

Rashidi N, Moghim S, Fagheri J, Safaei HG. Catalase epitopes vaccine design for *Helicobacter pylori*: A bioinformatics approach. *African Journal of Biotechnology*; 2011;10(44):8895-8901

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

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)

Roshani-Asl P, Rashidi N, Shokoohizadeh L, zarei J. Relationship among Antibiotic Resistance, Biofilm Formation and *lasB* Gene in *Pseudomonas Aeruginosa* Isolated from Burn Patients. *Clinical laboratory*, 2018; 64 (9): 1477-1484

Safaei HG, Faghri J, Moghim S, Esfahani BN, Fazeli H, Makvandi M, Adib M, Rashidi N. Production of IFN- γ and IL-4 against intact catalase and constructed catalase epitopes of *Helicobacter pylori* from T-cells Jundishapur *Journal of Microbiology*, 2015; 8(12)

Rashidi N, Ghasemian SH. IN-house ELLSA for diagnosis of *Helicobacter pylori* infection. *Journal of Isfahan medical school*. 2005; 23 (7677): 91-95

Nikakhlagh S, Khosravi AD, Fazlipour A, Safarzadeh M. and Rashidi N. Microbiologic findings in patients with chronic suppurative otitis media. *J. med .sci*, 2008; 8(5):503-506

Haybar H, Assareh A, Sheikhi M, Molavi Z, Latifi S M, Beiranvand M, Sadeghi P, Rashidi N. Molecular Detection of *Helicobacter pylori* in the atherosclerotic coronary plaques and carotid plaques. *Journal of Pure and Applied Microbiology*, 2015;9(4): 2871-2879

Makvandi M, Neissi N, Tarighi P, Makvandi K, Rashidi N. Evaluation of the Genes Expression Related to the Immune System in Response to *Helicobacter pylori* Catalase Epitopes. *Molecular Genetics, Microbiology and Virology*, 2020; 35 (1): 47-51

Roshani Asl P, Rashidi N, Shokoohizadeh L, Tajbakhsh E. Survey of Antibiotic Resistance and Relationship between Esterase (*estA*) Gene with Biofilm Formation in *Pseudomonas Aeruginosa* Strains Isolated from Burn Patients. *Journal of Fasa University of Medical Sciences*, 2019; 9(4): 1577-1584

Teaching Experiences

M.Sc.

Food Microbiology 1&2

Laboratory of Food Microbiology 1&2

Bacterial Toxins

Disinfectants and sterilization

B.Sc.

General microbiology

Laboratory of General Microbiology

Medical Bacteriology

Laboratory of Medical Bacteriology

Professional Memberships:

- Member, Iranian Society for Microbiology

Laboratory skills & Research Interests:

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

Data Bank Entries:

Seven epitopes of *Helicobacter pylori* catalase: MVNK-DVKQTTKKVLLQSTWFLKKFHPFDVTKIKKWVKFHFHTMQK-KVKHLTNEEAKKYRADDSDYYKKY YRSLPADEK (GenBank accession number: Cat JQ361787)

Congress Participation

- 1- A bioinformatics assay on Catalase epitopes of *Helicobacter pylori*. IWBBIO (International Work-Conference on Bioinformatics and Biomedical Engineering), 2013, Granada, Spain
- 2- Comparison of salivary anti *Helicobacter pylori* IgG with serum IgG and bacteriological tests in detecting *Helicobacter pylori* infections. World congress of pathology and laboratory medicine, 2005, Istanbul, Turkey.
- 3- Diagnosis of *Helicobacter pylori* infection by salivary immunoglobulin G. 12th international congress of immunology and 4th annual conference of FOCIS, 2004, Montreal, Canada.
- 4- The influence of metal nanoparticles on *Pseudomonas aeruginosa*. 2nd International Congress on Biomedicine, 2018, Tehran, Iran.
- 5- Evaluation of the efficacy of organic nanoparticles on *Pseudomonas aeruginosa*. 2nd International Congress on Biomedicine, 2018, Tehran, Iran.
- 6- Detection of *lasB* gene, biofilm formation and antibiotic resistance patterns in burn isolates of *Pseudomonas aeruginosa*. The 18th International and Iranian Congress of Microbiology, 2017, Tehran, Iran.
- 7- Antibiotic resistance phenotypes, *estA* gene presence and biofilm formation among *Pseudomonas aeruginosa* strains isolated from burn patients. The 18th International and Iranian Congress of Microbiology, 2017, Tehran, Iran.

- 8- Molecular analysis of *Pseudomonas aeruginosa* strains isolated from burn patients by repetitive extragenic palindromic-PCR (rep-PCR) in Ahvaz Taleghani hospital. The 17th International and Iranian Congress of Microbiology, 2016, Tehran, Iran.
- 9- *Helicobacter pylori* (*H. pylori*) infection in coronary artery disease. 7th International Congress of Laboratory and Clinic, 2015, Tehran, Iran.
- 10- Catalase epitope vaccine design for *H.pylori*: A bioinformatics approach. 11th Iranian Congress of Microbiology and First Congress of Microbiology, Eastern Mediterranean Region, 2010, Gilan, Iran.
- 11- Cloning and Expression of *Helicobacter pylori* Catalase for Vaccine Design. 1st International Congress of Gastroenterology and Hepatology, 2010, Tehran, Iran.