

زمینه کارهای تحقیقاتی:

Dr. Hadi

1. genotyping, gene knock out, molecular epidemiology, gene cloning and protein expression in a bacterial system. quorum sensing (QS) and the other molecular mechanisms controlling bacterial virulence.
2. expression and purification of single and chimeric proteins of *Shigella* spp as an immunogenic candidates.
3. particular interest in use of nanoparticles and nano-materials, for its antibacterial activity in medicine and industry.
4. *Mycobacteria*, in particular *Aeromonas*, and many other routine bacteria.

Dr. Motamedifar

1. Antibiotic Resistance of Gram negative enteric bacteria and Staphylococci
2. Virulence factors of Gram negative enteric bacteria and Staphylococci
3. Investigations of antibacterial candidates against different bacterial agents
4. Investigation of important bacterial agents in dental and periodontal researches

Dr. Khashei

1. Molecular characterization, typing and antimicrobial resistance of Gram-negative rods involved in nosocomial infections.
2. Molecular characterization of fastidious bacteria (*H. pylori* & *Mycoplasma* fields).
2. Molecular characterization of Gram-positive cocci

Dr. Bazargani

1. Chlamydia infections
2. Helicobacter infections
3. Genetics and pathogenesis
4. Antimicrobial resistance in bacteria