Department of Microbiology and Clinical Microbiology

Supervisors

- Prof. İ.Hakka BAHAR
- Prof. Y.Hakan ABACIOĞLU
- Prof. Zeynep GÜLAY
- Prof. Mine DOLUCA DERELİ
- Prof. Özlem YILMAZ
- Prof. Ayça Arzu SAYINER
- Prof. Nuran ESEN
- Prof. A.Hüseyin BASKIN
- Prof. Ayşe Aydan ÖZKÜTÜK
- Assoc. Prof. İ.Mehmet Ali ÖKTEM
- Assoc. Prof. Özgen Alpay ÖZBEK
- Assoc. Prof. Mahmut Cem ERGON

Research Areas

- Bacteriology
- Hospital infections
- Molecular mechanisms of antibiotic resistance
- Standardization of antibiotic susceptibility testing
- Clinical mycology
- Candida infections and virulence factors
- Diagnosis of fungal infections
- Antifungal Susceptibility Testing
- Antifungal drug resistance: mechanisms, epidemiology
- Clostridium difficile: pathogenesis and diagnosis
- Detection of Helicobacter pylori by Phenotypic and Genotypic Methods
- Antimicrobial susceptibility testing of Helicobacter pylori
- Fluorescence in situ hybridization method in diagnosis of H. pylori infection and determination of antimicrobial resistance
- Helicobacter pylori pathogenesis
- Helicobacter pylori infection and the antimicrobial resistance mechanisms
- Laboratory diagnostics for celiac disease
- Diagnostic Role of Anti-Nuclear Antibodies in Rheumatic Diseases
- Laboratory diagnostics for CMV
- Medical mycology
- Pathogenesis of aerop and anaerop microorganisms
- Biofilm formation and quorum sensing
- Pathogenesis of medically important mycosis
Pathogenesis of mycobacteria
- Biofilm formation and apoptosis and necrosis relation
- Diagnosis and drug susceptibility testing of tuberculosis
- Diagnosis and drug susceptibility testing of medicaıy important fungal infections
- Sterilization, disinfection and waste disposal
- Quality assurance, accreditation and quality control applications
- Diagnosis and drug susceptibility testing of tuberculosis
- Pathogenesis, immunology, and diagnosis of Mycobacterium tuberculosis infections
- Molecular mechanisms of antibiotic resistance in Mycobacterium tuberculosis
- Molecular techniques for clinical diagnostic virology
- Molecular detection and genotyping of viral pathogens
- Molecular mechanisms of antiviral drug resistance
- Diagnosis and epidemiology of viral agents
- Quality Control in Molecular Diagnostics
- Epidemiology and diagnosis of hantavirus infections
- Diagnosis and prevention of viral hemorrhagic fever
- Viral pathogenesis
- Monitoring of viral agents in rodent populations
- Approaches to test utilization of laboratory testing
- Sexually transmitted diseases
- Evaluation of the diagnostic value and performance of serological tests methods
- Diagnostic methods of fungal infections.
- Molds and their infections
- Antifungal susceptibility tests
- Environmental microbiology
- Pathogenesis of infectious diseases
- Biofilm related infections
- Animal Models in Infection
- SS
- Implemantation of biosafety system
- Biologic risk assesment
- Hazardous waste and disposal methods
- Effects of Subminimal antibiotic concentration on microorganisms
- Bacterial pathogenesis
- Diagnostic Role of Anti-Nuclear Antibodies in Rheumatic Diseases
- Evaluation of the diagnostic value and performance of serological tests methods

Recent Publications

- Sancak B, Yagci S, Gür D, Gülay Z, Ogunc D, Söyletir G, Yalcın AN, Dündar DO, Topçu


-- Ph.D. Programs