



SAĞLIK  
BİLİMLERİ  
ENSTİTÜSÜ



ENSTİTÜSÜ  
BİLGİLERİ

# PHARMACY (BIOCHEMISTRY)GRADUATE PROGRAMS



# ACADEMIC STAFF

- **Prof. Dr. Aymelek GÖNENÇ (Head of Department)**
- **Prof. Dr. Sevgi AKAYDIN**
- **Prof. Dr. Yeşim ÖZKAN**
- **Assoc. Prof. Aysun HACIŞEVKİ**
- **Asst. Prof. Emel ÇALIŞKAN CAN**
- **Asst. Prof. Ece MİSER SALİHOĞLU**
- **Asst. Prof. Simla OLGÄÇ**
- **Asst. Prof. Taylan TURAN**
- **Research assistant Turgut KAYA**



# FIELDS OF RESEARCH



SAĞLIK  
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- Cardiovascular, cancer, diabetes, kidney diseases, infertility, Alzheimer's and free radical metabolism, oxidant and antioxidant measurements in inflammatory diseases
- Platelet signaling pathways and aggregation mechanisms
- DNA damage and repair mechanisms
- Endoplasmic reticulum stress
- Blood-brain barrier homeostasis in obesity, microvasculature and tight junctions and bioneurocritical markers
- Apoptosis
- Genetic polymorphism and PCR based techniques
- Enzyme activity screening tests and elucidation of inhibition mechanisms





# RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)



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In our 3 research laboratories;

1. HPLC (High Performance Liquid Chromatography)
2. PCR (Polimeraz Chain Reaction)
3. Gel imaging
4. Western blot electrophoresis
5. Cell culture laboratory
6. Aggregometer (APACT 4004)
7. Hematology analyzer
8. SpectraMax i3x Multi-Mod plate reader
9. Basic laboratory equipment



# QUOTA NUMBERS AND PROGRAM ADMISSION REQUIREMENTS FOR SPRING SEMESTER 2023/2024



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QUOTA		SCORE TYPE	PROGRAM TYPE	SCORE CRITERIA		
MASTER'S DEGREE	FOREIGN NATIONAL MA/DR.			ALES SCORE/ *TUS*	FOREIGN LANGUAGE SCORE	GRADUATION GRADE (UNDERGRADUAT E/ MA)
5		NUM.	MASTER'S DEGREE	65	60	3.00/4.00

## UNDERGRADUATE PROGRAMS ADMITTING STUDENTS

MASTER'S DEGREE	5370	Medicine Faculty	2116	Biochemistry
	2544	Pharmacy Faculty	2154	Biotechnology and Molecular Biology
	4202	Molecular Biochemistry and Genetics	3754	Chemical and Biological Engineering
	4203	Molecular Biology	1966	Nutrition and Dietetics
	7174	Molecular Biology, Genetics and Bioengineering		



# QUOTA NUMBERS AND PROGRAM ADMISSION REQUIREMENTS FOR SPRING SEMESTER 2023/2024



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QUOTA		SCORE TYPE	PROGRAM TYPE	SCORE CRITERIA		
DOCTORATE	FOREIGN NATIONAL MA/DR.			ALES SCORE/ *TUS*	FOREIGN LANGUAGE SCORE	GRADUATION GRADE (UNDERGRADUAT E/ MA)
1		NUM.	DR.	75	70	3.00/4.00

## UNDERGRADUATE PROGRAMS ADMITTING STUDENTS

DOCTORATE	QUOTA	PROGRAM	PROGRAM TYPE	SCORE CRITERIA
	5370	Medicine Faculty	2121	Biochemistry and Clinical Biochemistry
	2544	Pharmacy Faculty	4202	Molecular biology and genetics
	3648	Cancer Biochemistry	2115	Biochemistry (Pharmacy)
	2119	Biochemistry (Medicine)	2838	Pharmaceutical Biochemistry
	5315	Medical Biochemistry (Medicine)		

