T.C.
MERSİN UNIVERSITY
INSTITUTE OF HEALTH SCIENCES

DEPARTMENT OF ANALYTICAL CHEMISTRY

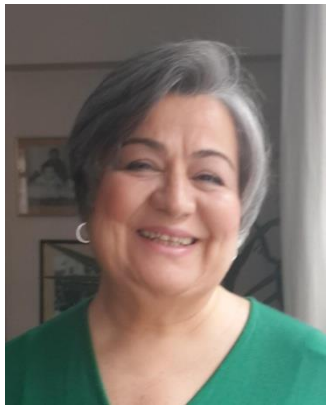
GRADUATE PROGRAMS

2025

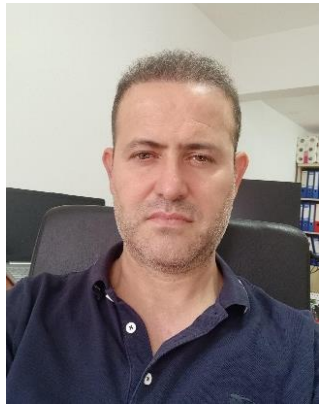
HISTORY

- The Department of Analytical Chemistry was established on December 25, 2006.
- Our department offers master's and doctoral programmes and continues its educational activities with one master's and two doctoral students. To date, a total of 14 master's and 5 doctoral students have successfully completed their studies in our department.
- Our department is equipped with one student laboratory and one research laboratory.

ACADEMIC STAFF

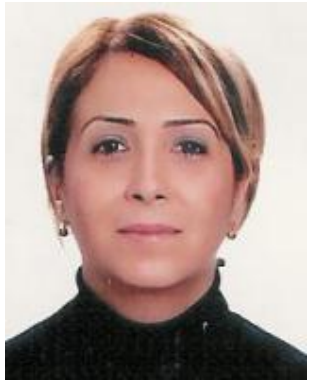


Prof. Dr. F. Nazlı DİNÇER KAYA
Faculty of Pharmacy

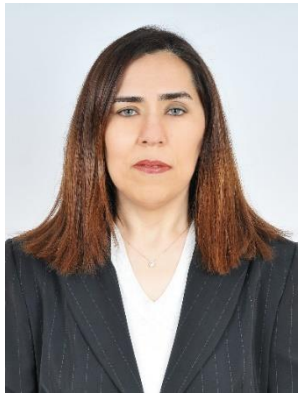


Prof. Dr. Yahya NURAL
Faculty of Pharmacy

Prof. Dr. Serap YALIN
Faculty of Pharmacy



Prof. Dr. Handan BİRBİÇER
Faculty of Medicine



Prof. Dr. Semra UTKU
Faculty of Pharmacy

Assoc. Prof. Erdal YABALAK
Technical Sciences Vocational School

Asst.Prof. Bora REŞİTOĞLU
Health Services Vocational School

FIELDS OF RESEARCH

- Analytical Chemistry plays an active role in drug research and development (R&D), including quantitative and qualitative drug analysis, quality control, and standardization.

Research Areas:

- Development of spectroscopic, chromatographic, and electroanalytical methods for the qualitative and quantitative analysis of drugs and organic and inorganic compounds
- Application of the developed methods to medicines, biological and clinical samples
- Development of chemosensors for the determination of drugs, anions, and cations

PROGRAM COMPETENCIES

Master's Program

1. Gains the ability to conduct scientific research.
2. Explains classical and modern analytical techniques.
3. Uses and develops general analytical chemistry competencies in multidisciplinary studies.
4. Gains the ability to synthesize and interpret information through participation in individual and group work.
5. Gains competence in preparing and presenting scientific research.
6. Interprets data obtained from analysis.
7. Elucidates the structure of a compound.
8. Develops appropriate analytical methods for biological and clinical samples.
9. Explains the importance of analytical techniques for pharmaceutical analysis.
10. Gains the ability to report and publish scientific research.
11. Expresses ethical values and issues.
12. Explains the fundamental concepts of science and how scientific knowledge is generated.

PROGRAM COMPETENCIES

Doctoral Program

1. Students will stay abreast of the latest developments in analytical chemistry.
2. Learn about modern analytical methods.
3. Able to apply newly developed analytical techniques and develop problem-solving skills.
4. Determine the appropriate method for scientific research.
5. Can share the knowledge and experience gained with students.
6. Learn about sample preparation techniques and apply these techniques.
7. Learn about pharmaceutically important compounds and their synthesis methods.
8. Learn about analytical techniques used in structural analysis.
9. Can apply the knowledge and skills gained in their field to other scientific fields.
10. Achieve internationally recognized knowledge.
11. Explain learning and development theories and models.
12. Explain teaching methods and techniques. Develop lesson plans. Use assessment and evaluation techniques.

EMPLOYMENT OPPORTUNITIES

- Master's Program
- Graduates can continue their academic studies in all relevant departments at universities. They can also find employment opportunities in almost all industrial organizations and research and development centers, especially in the pharmaceutical industry.
- Doctoral Program
- Graduates can continue their academic studies in all relevant departments at universities. They can also find employment opportunities in almost all industrial organizations and research and development centers, especially in the pharmaceutical industry.

CONTACT

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