



ISTANBUL AYDIN UNIVERSITY FACULTY OF PHARMACY

E-NEWSLETTER

1 JULY - 31 JULY 2025



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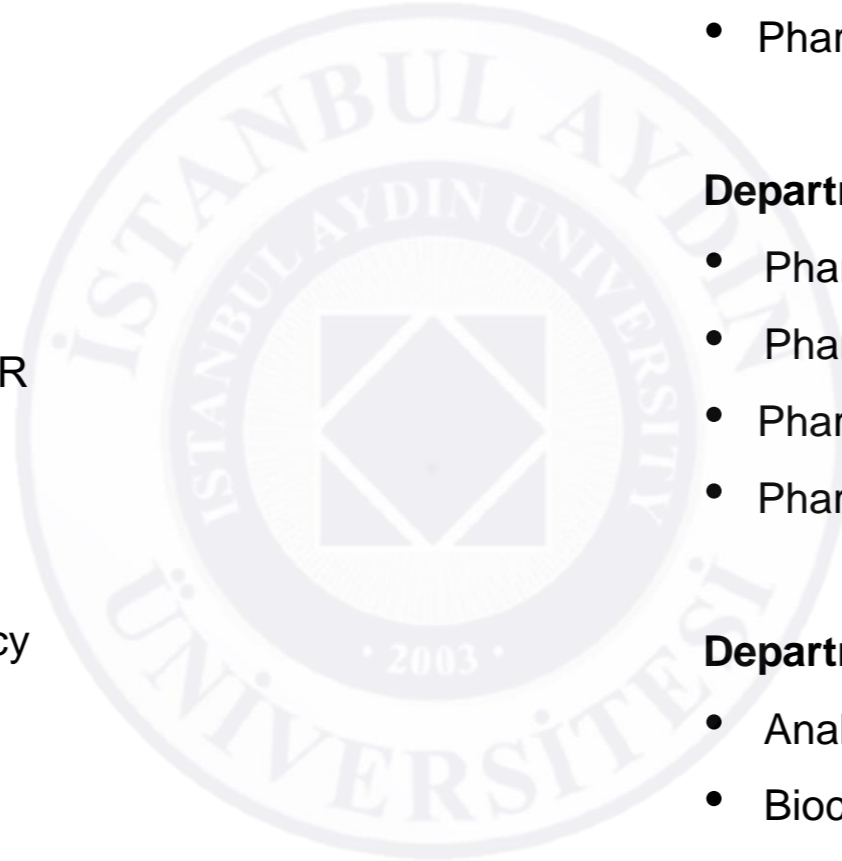
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FACULTY OF PHARMACY

July

On Monday, June 30, 2025, Prof. Dr. Ayşe Nurten ÖZDEMİR, Dean and faculty member of the Department of Pharmaceutical Technology, served as a committee member in the doctoral thesis defense of Res. Asst. Hatice DEMİRTAŞ, entitled “*Development and In Vitro-In Vivo Evaluation of Nanoparticulate Drug Delivery Systems Containing a STAT3 Inhibitor for the Treatment of Fibrosarcoma*” held at the Department of Pharmaceutical Technology, Faculty of Pharmacy, Ankara University, under the supervision of Prof. Dr. Ceyda Tuba ŞENGEL-TÜRK.





FACULTY OF PHARMACY

July

Prof. Dr. Fikriye URAS, a faculty member of the Department of Biochemistry, participated in the 49th FEBS (Federation of European Biochemical Societies) Congress, held on July 5–9, 2025, at the Istanbul Lütfi Kırdar Convention Center, under the theme “*Bridging Continents to Advance Life Science*” with her poster presentation titled “*Periostin Expression in the Cerebral Cortex of Genetic Absence Epilepsy Rats: A Novel Insight into Epilepsy Pathophysiology*”.





FACULTY OF PHARMACY

July

On Tuesday, July 22, 2025, Prof. Dr. Sevgi KARAKUŞ, Vice Dean and faculty member of the Department of Pharmaceutical Chemistry, served as a committee member in the doctoral thesis defense of Ms. Lala AHMADOVA, entitled “*Studies on Novel Triazole Derivatives Bearing Sulfonamide Moieties as Potential Inhibitors of Carbonic Anhydrase Isozymes HCA IX/XII*” held at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Istanbul University, under the supervision of Prof. Dr. Özlen Güzel AKDEMİR.





FACULTY OF PHARMACY

July

On Wednesday, July 16, 2025, Prof. Dr. Sevgi KARAKUŞ, Vice Dean and faculty member of the Department of Pharmaceutical Chemistry, served as a committee member in the master's thesis defense of Mr. Hasan Bahri ALEMDAROĞLU, entitled *“Synthesis, Purification, Structural Characterization, and Evaluation of Anticancer Potential of Novel Quinoline-Chalcone Hybrid Molecules”* held at the Department of Chemistry, Faculty of Arts and Sciences, Yıldız Technical University, under the supervision of Prof. Dr. Lokman TORUN.





FACULTY OF PHARMACY

July

On Thursday, July 17, 2025, Asst. Prof. Dr. Cem ERKMEN, faculty member of the Department of Analytical Chemistry, served as a committee member in the English-language master's thesis defense of Ms. Raghad Montasir Mahmoud ALHARDAN, entitled *“Development of Enzyme-based Electrochemical Biosensors For Environmental Monitoring”* held at the Department of Analytical Chemistry, Graduate School of Health Sciences, Ankara University, under the supervision of Assoc. Prof. Dr. Sevinç KURBANOĞLU.





FACULTY OF PHARMACY

July

Asst. Prof. Dr. Cem ERKMEN, faculty member of the Department of Analytical Chemistry, has authored a research article entitled *“Characterization of dovitinib–human serum albumin association potential through optical spectroscopic and in silico approaches”* which has been published in Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, a Q1-indexed, internationally recognized journal in the field of molecular spectroscopy.

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 343 (2025) 126602



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journal homepage: www.journals.elsevier.com/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy



Characterization of dovitinib–human serum albumin association potential through optical spectroscopic and *in silico* approaches

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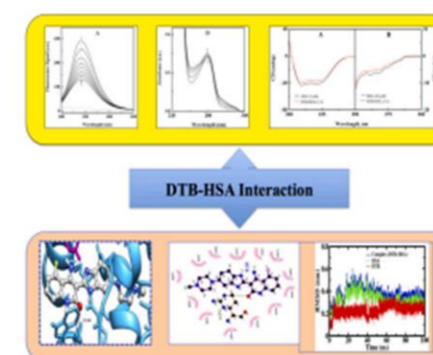
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HIGHLIGHTS

- Moderate interaction strength in DTB – HSA complexation.
- Alterations in the HSA's secondary and tertiary conformations by DTB binding.
- van der Waals forces, hydrogen bonds and hydrophobic to secure the DTB – HSA complex.
- HAS's Site I is the recommended DTB binding site.
- The DTB–HSA complex was stable throughout the stipulated simulation time.

GRAPHICAL ABSTRACT



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