


2L-06 AMPHIPHILIC HETEROCYCLIC COMPOUNDS LABORATORY

Department	Department of Chemistry	
Laboratory Responsible	Prof. Dr. Aylin USLU	aylin@gtu.edu.tr
Research Team		
Contact Information	Faculty of Basic Science, Chemistry Dept. 2L-06	+90 262 605 30 67
General Information	Synthesis of new type compounds, Separation and Purification of isomer Mixtures Synthesis of new type water-soluble derivatives and investigation of their properties	
Applications	<ul style="list-style-type: none">○ structure synthesis○ thermosensitivity analysis○ molecular characterization○ stereochemical analysis	
Laboratory Photo		
Equipment	<ul style="list-style-type: none">○ Rotary Evaporatory○ Scales○ Heater and stirrer○ Argon○ Gas Cylinder○ UV Lamp	
Projects	<ul style="list-style-type: none">○ TÜBİTAK 1001 (2007-2009): The Synthesis of Phosphazenes including Hyrdophobic and Hydrophilic groups and the Determination of their Structural Properties, 89.150 TL○ TÜBİTAK 1001 (2013-2015): Synthesis and Hydrolytic Degradation of Cyclophosphazenes Bearing Amino Acid Side Group, 136.293 TL○ TÜBİTAK 1002 (2012-2013): The Synthesis and Characterization of Some Rotaxane Complexes, 24.700 TL○ TÜBİTAK 1002 (2016-2017): TLThe Synthesis of Thermosensitive Phosphazene Derivatives and The Investigation of Their PropertieS, 30.000 TL○ TÜBİTAK 1001 (2017-2020): Synthesis of Phosphorus Containing Chiral Compounds and Investigation of their Catalytic Properties, 236.000 TL	