

**Niğde Ömer Halisdemir University**  
**Graduate School of Natural and Applied Sciences,**  
**Department of Energy Science and Technologies**

**Head of Department**

[Prof. Bora TIMURKUTLUK](#)

**Faculty Members of the Department**

[Assist. Prof. Cigdem TIMURKUTLUK](#)

**Department Academic Board Members**

The Department of Energy Science and Technologies is an interdisciplinary program. The program is carried out with the contribution and participation of the members from Faculty of Engineering, Faculty of Arts and Sciences, Faculty of Medicine and Vocational School of Technical Science.

Academic Staff	Department of Staff at the University	Field of Study and Subjects related to the Program
<a href="#">Prof. Dr. Bora TIMURKUTLUK</a>	Mechanical Engineering	Hydrogen and Fuel Cell Technologies
<a href="#">Assist. Prof. Cigdem TIMURKUTLUK</a>	Energy Science and Technologies	Hydrogen and Fuel Cell Technologies
<a href="#">Prof. Yahya Erkan AKANSU</a>	Mechanical Engineering	Wind Turbines, Aerodynamics, Flow Control Methods, Energy Storage, Super Capacitor
<a href="#">Prof. Murat BARUT</a>	Electrical Electronic Engineering	Electric Power Systems, Production, Distribution and Control of Electric Energy
<a href="#">Prof. Mustafa BAYRAK</a>	Mechanical Engineering	Nuclear Energy, Nanofluidics and Heat Transfer Applications
<a href="#">Prof. Sevgi DEMIREL</a>	Environmental Engineering	Renewable Energy, Waste to Energy Technologies, Biogas
<a href="#">Prof. Sefa ERTURK</a>	Faculty of Medicine	Nuclear Energy, Nuclear Techniques, Radiation Detectors and Electronics
<a href="#">Prof. Murat GOKCEK</a>	Mechanical Engineering	Conventional and Renewable Energy Systems, Optimization of Power Generation Systems, Nanofluidics and Heat Transfer Applications
<a href="#">Prof. Yuksel KAPLAN</a>	Mechanical Engineering	Heat Transfer, Hydrogen Production and Storage, Fuel Cells
<a href="#">Prof. Yeliz KONUKLU</a>	Chemistry	Thermal Energy Storage, Phase-Changing Materials, Energy-Storing Microcapsules and Nanocomposites
<a href="#">Prof. Asım SOYLU</a>	Physics	Nanostructures (Quantum dots / wells), Plasma Physics, Mathematical Physics, Nuclear Physics
<a href="#">Prof. Mehmet SENER</a>	Geological Engineering	Ore Deposits and Geothermal Systems
<a href="#">Prof. Recep ZAN</a>	Physics	Nano Materials and Solar Energy
<a href="#">Assoc. Prof. Serkan TOROS</a>	Mechanical Engineering	Hydrogen and Fuel Cell Technologies, Design and Simulation,
<a href="#">Assoc. Prof. Cihan BAYINDIRLI</a>	Department of Automotive Technologies	Vehicle Aerodynamics, Computational Fluid Dynamics, Internal Combustion Engines, Alternative Engine Fuels
<a href="#">Assoc. Prof. Oznur Begum GOKCEK</a>	Environmental Engineering	Renewable Energy, Waste to Energy Technologies, Biogas
<a href="#">Assoc. Prof. Mehmet Ali OLGAR</a>	Physics	Thin Film Solar Cells
<a href="#">Assoc. Prof. Ahmet Sakir DOKUZ</a>	Computer Engineering	Machine Learning, Optimization and Artificial Intelligence Techniques in Energy Systems
<a href="#">Assoc. Prof. Harun AKKUS</a>	Department of Automotive Technologies	Applied Statistics
<a href="#">Assist. Prof. Tuba ARTAN ONAT</a>	Biotechnology	Biotechnology and Bioelectrochemistry
<a href="#">Assist. Prof. Sedef ILK LUOTSINEN</a>	Faculty of Medicine	Nanotechnology and Energy Biotechnology
<a href="#">Assist. Prof. Filiz KELES</a>	Physics	CIGS solar cell, fabrication, and characterization of nanostructures
<a href="#">Assist. Prof. Ayse SEYHAN</a>	Physics	Solar Energy, Thin films, Nanomaterials,
<a href="#">Assist. Prof. Yavuz ATASOY</a>	Department of Medical Services and Techniques	Thin Film Solar Cells