

Prof.Dr.Ebru MENŞUR

Prof. Dr. Ebru Menşur was born in 1977 in Istanbul. She completed her two doctoral degrees in 2006 in Materials Science and Engineering and in 2008 in the Department of Physics. Her area of expertise is piezoelectric/ferroelectric ceramic materials. In 2004, she continued her studies on thin films in the UK with a Marie Curie research fellowship. She was awarded the Young Scientist Award (TÜBA-GEBİP) by the Turkish Academy of Sciences in 2013. Since 2012, she has been the co-founder and general manager of ENS Piezo Devices Ltd., working on the production of sensor materials and devices, particularly underwater sonars. Prof. Menşur has more than 60 scientific papers (SCI), presentations, and invited speaker talks, and she has been continuing her academic work as a faculty member at Gebze Technical University since 2017.

EDUCATION

2006	D.Eng.	Nara Institute of Science & Technology, Grad. School of Materials Science, Japan.
2008	Ph.D.	Kocaeli University, Department of Physics
2002	M.Sc.	Kocaeli University, Department of Physics
1999	B.Sc.	Kocaeli University, Department of Physics

WORK & RESEARCH EXPERIENCE

09/2019 – Present	Department Chair	Gebze Technical University
09/2018 – Present	Professor	Gebze Technical University
05/2012 – Present	General Manager	ENS Piezoaygıtlar Ltd.Şti.
04/2017 – 09/2018	Associate Professor	Gebze Technical University
10/2009 – 02/2013	Dr. Lecturer	Maltepe University
03/2008 – 09/2009	TÜBA-Postdoctoral	Sabancı University
11/2004 – 09/2006	Assistant	Nara Institute of Science. & Tech., Japan
07/2004 – 11/2004	Visiting Researcher	Salford University, England
01/2000 – 02/2008	Assistant	Kocaeli University

RESEARCH AREAS

- Solid-state physics and applied physics
- Electrical, optical, and optoelectronic properties and characterization of solids
- Thin film production by RF/DC Magnetron Sputtering and sol-gel methods
- Production and applications of ferroelectric, semiconductor, and transparent conductive oxide (TCO) thin films
- Lead-based/lead-free piezoelectric and ferroelectric ceramic materials in various forms
- Nanofibers and electrospinning
- Ceramic fiber/polymer composite materials
- Textured ceramics

R&D PROJECTS (LAST 5 YEARS)

1. "Determination of Electrocaloric and Elastocaloric Properties of Flexible Polymer/Ferroelectric Composites with Various Connectivity," Project Manager, American Air Force Office of Scientific Research (AFOSR), Grant #FA9550-18-1-0450, 2023-ongoing.
2. "Investigation of the Effect of Crystallographic Anisotropy and Defects on the Electrocaloric Response of Stress-free Relaxor Ferroelectric Plates by Experimental and Analytical Techniques," Project Manager, American Air Force Office of Scientific Research (AFOSR), Grant #FA9550-18-1-0450, completed.
3. "Fabrication of Piezoelectric Ceramic Hollow Fibers with Low Sintering Temperature, Design of Devices, and Their Applications," Project Manager, TÜBİTAK-COST Project, Project #112M791, completed.