

## Prof. HATİCE KÖKTEN

### Personal Information

**Email:** kokten@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/kokten>

### International Researcher IDs

ORCID: 0000-0002-9686-1096

ScopusID: 6603233377

Yoksis Researcher ID: 163582

### Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1987 - 1993

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2015 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1997 - 2008

Lecturer, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1996 - 2008

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1982 - 1996

Research Assistant, Middle East Technical University, Institute of Marine Sciences, Fiziksel Oşinografi Anabilim Dalı, 1980 - 1981

### Advising Theses

KÖKTEN H., Hava aracı kaza ve olaylarında çevresel faktörlerin analizi, Postgraduate, T.NOYAN(Student), 2007

KÖKTEN H., Helikopterlerin yaydığı karbonmonoksit gazının kokpit ve aprondaki düzeyinin belirlenmesi, Postgraduate, M.YAVUZ(Student), 2007

KÖKTEN H., Farklı fiziksel koşullar altında kalan belgeler üzerindeki mavi tükenmez kalem kürekkeplerinin spektroskopik yöntemler ve ince tabaka kromatografisiyle analizi, Postgraduate, Ö.KARSLI(Student), 2005

KÖKTEN H., The structure, energetics and melting behavior of free platinum clusters, Doctorate, A.SEBETCİ(Student), 2004

KÖKTEN H., Patlayıcı maddelerin etkisiz hale getirilmesinde X-RAY cihazlarının kullanımı ve etkinliği, Postgraduate, E.SEHAN(Student), 2003

KÖKTEN H., Patlama sonrası olay yeri incelemesi, Postgraduate, S.ŞEN(Student), 2001

KÖKTEN H., Adli doküman incelemede klasik yöntemlerle video spektral yöntemlerin uygulanmasının karşılaştırılması, Postgraduate, M.DEMİRAGÇ(Student), 2000

KÖKTEN H., Işık kaynaklarının parmak izi incelenmesinde kullanılması, Postgraduate, N.AÇILKAN(Student), 2000

### Published journal articles indexed by SCI, SSCI, and AHCI

1. **An approach for quantum capacitance of graphene, carbon nanotube, silicene and hexagonal boron nitride nanoscale supercapacitors by non-equilibrium Green's function method**  
ÖZDOĞAN C., KÖKTEN H.

- FLATCHEM, vol.31, 2022 (SCI-Expanded)
- II. **X-Doped (X = C, N, F, P) ZnO Sheet: Density Functional Theory Calculations**  
KÖKTEN H., ERKOÇ Ş.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.12, no.3, pp.395-398, 2015 (SCI-Expanded)
  - III. **Energetics and structural properties of carbon and oxygen doped hexagonal boron nitride sheets**  
KÖKTEN H., ERKOÇ Ş.  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.44, no.1, pp.215-217, 2011 (SCI-Expanded)
  - IV. **Structural and electronic properties of carbon-doped c-BN(110) surface**  
KÖKTEN H., ERKOÇ Ş.  
PHYSICA B-CONDENSED MATTER, vol.404, pp.4937-4938, 2009 (SCI-Expanded)
  - V. **Structural, Electronic and Magnetic Properties of BN Nanotubes Doped with Mn and Cr: Exploring the Potential for Device Technology**  
KÖKTEN H., Ustunel H., ERKOÇ Ş.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.6, no.4, pp.926-932, 2009 (SCI-Expanded)
  - VI. **Structural and electronic properties of c-BN(110) surface and surface point defects**  
Kokten H., Erkoç S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, vol.17, no.6, pp.795-803, 2006 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Oxygen-doped c-BN(110) surface: DFT calculations**  
KÖKTEN H., ERKOÇ Ş.  
11th Europhysical Conference on Defects in Insulating Materials (EURODIM), Pecs, Hungary, 12 - 16 July 2010, vol.15

## Supported Projects

HASANLI N., Delice S., Işık M., KÖKTEN H., BULUR E., Project Supported by Higher Education Institutions, Y203 nanoparçacıkların termoluminesans özelliklerinin incelenmesi, 2018 - 2019

HASANLI N., Delice S., Işık M., KÖKTEN H., BULUR E., Project Supported by Higher Education Institutions, GaInSe ince filmlerin büyütülmesi ve elektriksel özelliklerinin incelenmesi, 2017 - 2017

HASANLI N., Işık M., KÖKTEN H., BULUR E., Project Supported by Higher Education Institutions, GaS(x)Se(1-x) yarıiletken kristallerinin yapısal ve optiksel özelliklerinin incelenmesi, 2016 - 2016

HASANLI N., KÖKTEN H., BULUR E., Project Supported by Higher Education Institutions, Sol-jel yöntemi ile üretilen ZnO nanokristal ve ince filmlerin yapısal, optiksel ve termoluminesans özelliklerinin incelenmesi, 2015 - 2015

## Metrics

Publication: 7  
Citation (WoS): 29  
Citation (Scopus): 21  
H-Index (WoS): 3  
H-Index (Scopus): 3

## Non Academic Experience

International Center for Theoretical Physics (ICTP)  
Eindhoven University of Technology

