

# Prof. Çiğdem NUHOĞLU

## Personal Information

**Email:** cnuhoglu@yildiz.edu.tr

**Other Email:** cnuhoglu@yildiz.edu.tr

**Web:** <https://avesis.yildiz.edu.tr/cnuhoglu>

**Address:** Fen Edebiyat Fakültesi - Fizik Bölümü

## International Researcher IDs

ScholarID: 2

ORCID: 0000-0002-4891-8342

ScopusID: 6603593822

Yoksis Researcher ID: 3824

## Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey Continues

Ataturk University, Fen Bilimleri Enstitüsü, Turkey Continues

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey Continues

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Thermal Properties of Condensed Matter, Natural Sciences

## Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Physics, 2011 - Continues

## Advising Theses

NUHOĞLU Ç., n-tipi GaAs Yarıiletkeni üzerine oluşturulan Sn/n-GaAs kontak yapılarında ara yüzey parametrelerinin belirlenmesi, Postgraduate, H.Çiftçi(Student), 2016

NUHOĞLU Ç., Ti/n-GaAs/In metal/yarıiletken/metal kontakların numune sıcaklığına bağlı akım-voltaj ve kapasite-voltaj karakteristiklerinin incelenmesi, Postgraduate, F.Urhan(Student), 2016

NUHOĞLU Ç., SiC (Silisyum Karpit) Kristalini Kullanarak Schottky Kontakların Elektriksel Karakterizasyonunun İncelenmesi, Doctorate, Y.Gülen(Student), 2016

NUHOĞLU Ç., Pb/p-Si/Al schottky kontakların sıcaklığa bağlı akım-voltaj ve kapasite-voltaj ölçümlerinden karakteristik parametrelerinin incelenmesi, Postgraduate, E.Özerden(Student), 2016

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

- I. **Schottky barrier height modification in Au/n-type 6H-sic structures by pbs interfacial layer**  
NUHOĞLU Ç., Ejderha K., Nuhoglu Ç., Türüt A.  
Microelectronic Engineering, vol.88, no.1, pp.179-182, 2011 (SCI-Expanded)
- II. **Electrical and optical characteristics of Au/PbS/n-6H-SiC structures prepared by electrodeposition of PbS thin film on n-type 6H-SiC substrate**  
Gulen Y., Alanyahoğlu M., Ejderha K., NUHOĞLU Ç., Türüt A.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.509, no.6, pp.3155-3159, 2011 (SCI-Expanded)
- III. **Biosorption of Ga-67 radionuclides from aqueous solutions onto waste pomace of an olive oil factory**  
Eroglu H., Yapici S., Nuhoglu C., Varoğlu E.  
JOURNAL OF HAZARDOUS MATERIALS, vol.172, pp.729-738, 2009 (SCI-Expanded)
- IV. **An environmentally friendly process; Adsorption of radionuclide Tl-201 on fibrous waste tea**  
Eroglu H., Yapici S., Nuhoglu Ç., Varoglu E.  
JOURNAL OF HAZARDOUS MATERIALS, vol.163, pp.607-617, 2009 (SCI-Expanded)
- V. **Determination of the characteristic parameters of Sn/n-gaas/Al-Ge Schottky diodes by a barrier height inhomogeneity model**  
NUHOĞLU Ç., Yıldırım N., Turut A., Biber M., Ayyıldız E., Nuhoglu Ç.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.21, no.3, pp.822-828, 2006 (SCI-Expanded)
- VI. **The dependence of I-V and C-V characteristics on temperature in the H-terminated Pb/p-Si(100) Schottky barrier diodes**  
NUHOĞLU Ç.  
APPLIED SURFACE SCIENCE, vol.250, no.5, pp.203-208, 2005 (SCI-Expanded)
- VII. **The barrier height inhomogeneity in identically prepared Pb/p-type Si Schottky barrier diodes**  
NUHOĞLU Ç., Özerden E., Turut A.  
Semicond. Sci. Technol, vol.18, no.4, pp.642-646, 2003 (SCI-Expanded)
- VIII. **The effect of high temperature annealing on Schottky diode characteristics of CoCr/n-LEC GaAs contacts**  
NUHOĞLU Ç.  
PHYSICA SCRIPTA, vol.65, no.1, pp.124-127, 2002 (SCI-Expanded)
- IX. **The determination of the interface-state density distribution from the capacitance-frequency measurements in Au/n-Si Schottky Barrier diodes**  
NUHOĞLU Ç.  
JOURNAL OF ELECTRONIC MATERIALS, vol.31, no.1, pp.119-123, 2002 (SCI-Expanded)
- X. **On the forward bias excess capacitance at intimate and MIS Schottky barrier diodes with perfect or imperfect ohmic back contact**  
Bati B., Nuhoglu C., Saglam M., Ayyildiz E., Turut A.  
PHYSICA SCRIPTA, vol.61, no.2, pp.209-212, 2000 (SCI-Expanded)
- XI. **Effect of thermal annealing on Co/n-LEC GaAs (Te) Schottky contacts**  
NUHOĞLU Ç., Temirci C., Bati B., Biber M., Turut A.  
SOLID STATE COMMUNICATIONS, vol.115, no.6, pp.291-295, 2000 (SCI-Expanded)
- XII. **On The Experimental Forward Capacitance-Voltage Characteristics of Schottky Barrier Diodes**  
NUHOĞLU Ç., Sağlam M., Türüt A.  
International Journal for Manufacturing Science & Production, vol.2, no.3, 1999 (SCI-Expanded)
- XIII. **Cr/- and Fe/n-GaAs Schottky diodes: the stable current-voltage characteristic produced by high-temperature annealing**  
NUHOĞLU Ç., Sağlam M., Turut A.  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.14, no.1, pp.114-117, 1999 (SCI-Expanded)
- XIV. **The effect of thermal annealing on the series resistance of nearly ideal and ideal Ti/n-GaAs Schottky diodes**  
Ayyildiz E., Sağlam M., NUHOĞLU Ç., Türüt A.

PHYSICA SCRIPTA, vol.58, no.6, pp.636-639, 1998 (SCI-Expanded)

- XV. **The effects of Exposure time to Clean Room Air on Characteristic Parameters of Uu/Epilayer n-Si Schottky Diodes**  
NUHOĞLU Ç., Ayyıldız E., Türüt A., Çetinkaya H. A.  
Tr. J. Of Physiscs, vol.22, no.2, pp.377-387, 1998 (SCI-Expanded)
- XVI. **Influences of thermal annealing, the electrolyte pH, and current density on the interface state density distribution of anodic MOS structures**  
Saglam M., Türüt A., NUHOĞLU Ç., Efeoğlu H., Kılıçoğlu T., Ebeoğlu M.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.65, no.1, pp.33-37, 1997 (SCI-Expanded)
- XVII. **Electron spin resonance studies on cobalt carbonic anhydrase-substrate complexes**  
Nuhoglu Ç., Demir N., NALBANTOĞLU B., Küfrevioğlu Ö. İ., Yoğurtçu Y. K., Ozdemir H., Ayyildiz E.  
TURKISH JOURNAL OF CHEMISTRY, vol.21, no.2, pp.134-138, 1997 (SCI-Expanded)
- XVIII. **EPR Spectroscopy of Dog-Rose Polyphenoloxidase**  
NUHOĞLU Ç., Ucuñ F., Ayyıldız E., Yoğurtçu Y. K., Şakiroğlu H., Küfrevioğlu İ.  
Tr. J. of Chem, vol.21, no.1, pp.188-194, 1997 (SCI-Expanded)
- XIX. **The ESR spectroscopic investigation of the electrochemical reduction of benzyl halides in acetonitrile**  
Ayyildiz E., NUHOĞLU Ç., Yoğurtçu Y. K., Köleli F.  
TURKISH JOURNAL OF CHEMISTRY, vol.19, no.4, pp.275-283, 1995 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **USING SILVER (Ag) POROUS SILICON/nSi BASED STRUCTURESAS DIFFERENT ALCOHOL VAPOR SENSORS**  
Düzgün P., Şahin A. N., Yılmaz V., Nuhoglu Ç., Altındal A., Aydın Yüksel S.  
EGE 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 22 - 24 September 2023, pp.46-47
- II. **XRF Analysis of Airborne Heavy Metals and Distributions of Environment in Sivas City-Turkey through Dust Samples**  
NUHOĞLU Y., Yazıcı M., NUHOĞLU Ç., KAM E., ADAR E., KUZU S. L., OSMANLIOĞLU A. E.  
5th Eurasia Waste Management Symposium, 26 - 28 October 2020

## Supported Projects

NUHOĞLU Ç., Project Supported by Higher Education Institutions, Etanol ve diğer alkoller ile yıkamanın Gözenekli Silisyum tabanlı Yakıt pillerinin verimine etkisinin İncelenmesi, 2015 - 2017

## Metrics

Publication: 39

Citation (WoS): 198

Citation (Scopus): 223

H-Index (WoS): 7

H-Index (Scopus): 9

## Non Academic Experience

ATATÜRK ÜNİVERSİTESİ

ATATÜRK ÜNİVERSİTESİ

ATATÜRK ÜNİVERSİTESİ

YILDIZ TEKNİK ÜNİVERSİTESİ