

# Prof. Çiğdem NUHOĞLU

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## Education Information

Doctorate, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Turkey Continues

Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Turkey Continues

Undergraduate, Atatürk Üniversitesi, 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, Yildiz 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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

### I. Pb (II) biosorption from the aqueous solutions by raw and modified tea factory waste (TFW)

Nuhoğlu Y., Ekmekyapar Kul Z., Kul S., Nuhoğlu Ç., Ekmekyapar Torun F.

International Journal of Environmental Science and Technology, vol.18, pp.2975-2986, 2021 (Journal Indexed in

SCI)

- II. **In-situ photochemical synthesis and dielectric properties of nanocomposite thin films containing Au, Ag and MnO nanoparticles**  
Mutlu S., Metin E., Yuksel S. A. , Bayrak U., NUHOĞLU Ç., ARSU N.  
EUROPEAN POLYMER JOURNAL, vol.144, 2021 (Journal Indexed in SCI)
- III. **Distribution of Trace Metals in Street Dusts and Tree Leaves and Their Source Identification in a Mid-Populated Anatolian City**  
NUHOĞLU Y., YAZICI M., NUHOĞLU Ç., KUZU S. L. , Osmanhoglu A. E. , KAM E.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.105, no.1, pp.103-110, 2020 (Journal Indexed in SCI)
- IV. **How the infrared radiation affects the film formation process from latexes?**  
Onder Y., Gelir A., Ozdogan M., Nuhoglu Ç., Elaissari A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, 2016 (Journal Indexed in SCI)
- V. **Mechanism of heavy metal uptake by electron paramagnetic resonance and FTIR: Enhanced manganese(II) removal onto waste acorn of Quercus ithaburensis**  
Kul Z. E. , Nuhoglu Y., Kul S., Nuhoglu Ç., Torun F. E.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, pp.115-125, 2016 (Journal Indexed in SCI)
- VI. **MECHANISM OF Ni II UPTAKE STUDIES BY EPR FTIR AND XRF BIOSORPTION CHARACTERISTICS IN BATCH AND DYNAMIC FLOW MODE**  
DÜNDAR M., NUHOĞLU Y., NUHOĞLU Ç.  
Fresenius Environmental Bulletin, vol.24, pp.2682-2693, 2015 (Journal Indexed in SCI Expanded)
- VII. **Effect of temperature on the current (capacitance and conductance)-voltage characteristics of Ti/n-GaAs diode**  
Ejderha K., Duman S., NUHOĞLU Ç., Urhan F., TÜRÜT A.  
JOURNAL OF APPLIED PHYSICS, vol.116, no.23, 2014 (Journal Indexed in SCI)
- VIII. **Resistivity, ESR, and Radiation Shielding Properties of the Volcanic Rock Materials**  
Nuhoglu Ç., Tapan M., Okutan M., Aydin S., Yalçın Z., İçelli O., Kavanoz H. B. , Orak S.  
ADVANCES IN CONDENSED MATTER PHYSICS, 2014 (Journal Indexed in SCI)
- IX. **Biosorption of Cr(VI) onto the litter of natural trembling poplar forest**  
Dündar M., Nuhoglu Ç., Nuhoglu Y.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.30, pp.599-608, 2011 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI Expanded)
- XI. **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 (Journal Indexed in SCI)
- XII. **Biosorption of Ga-67 radionuclides from aqueous solutions onto waste pomace of an olive oil factory**  
Eroglu H., Yapici S., Nuhoglu C., Varoglu E.  
JOURNAL OF HAZARDOUS MATERIALS, vol.172, pp.729-738, 2009 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI Expanded)
- XV. **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 (Journal Indexed in SCI Expanded)
- XVI. **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 (Journal Indexed in SCI Expanded)
- XVII. **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 (Journal Indexed in SCI Expanded)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **EPR Spectroscopy of Dog-Rose Polyphenoloxidase**  
NUHOĞLU Ç., Uzun F., Ayyıldız E., Yoğurtçu Y. K. , Şakiroğlu H., Küfrevioğlu İ.  
Tr. J. of Chem, vol.21, no.1, pp.188-194, 1997 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Effect of Ethanol Treatment on Characteristics of Micro-Porous Silicon Based Hydrogen Fuel Cells**  
Yuksel S., Dzhafarov T. D. , NUHOĞLU Ç., Korpeoglu F. D. , Topkaya R.  
ADVANCED POROUS MATERIALS, vol.6, no.1, pp.45-48, 2018 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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 diğ er alkoller ile yıkamanın Gözenekli Silisyum tabanlı Yakıt pillerinin verimine etkisinin İncelenmesi, 2015 - 2017

## Citations

Total Citations (WOS):172

h-index (WOS):7