

## ÖZGEÇMİŞ

- 1- Adı Soyadı: Nursev ERDOĞAN.
- 2- Ünvanı: Doctor.
- 3- Meslek: Metallurgical and Materials Engineer, PhD

## HAKKINDA

Metallurgical and Materials Engineer, PhD. Research interests are composites, functional coatings, aerospace materials and processing technologies, optoelectronic materials, perovskites, photovoltaics, nano-material engineering and photocatalysis. A passionate person in the field of expertise. Adore materials engineering.

Specialities: Structural and Functional Aerospace Materials, Coating Technologies, Thin films, Optoelectronic Materials, Electronics and Semiconducting Devices, Semiconductor material-design, Transparent conductive films, Dye-sensitized solar cells, Energy harvesting using PVs.

## DENEYİM

1- Principle Investigator & Technology Development Engineer  
Türk Havacılık ve Uzay Sanayii

2- Research Assistant  
METU

3-Researcher  
TUBITAK

Araştırma-geliştirme (Atık mermer tozunun yapı malzemesi üretiminde kullanılması) Araştırma-geliştirme (Atık mermer tozunun yapı malzemesi üretiminde kullanılması)

4-İTERN

Mercedes Benz Turk

Tem 2008 – Ağu 20082 ay

Stajyer (Metal konstrüksiyon malzemelerinin mekanik iyileştirilmesi)

Stajyer (Metal konstrüksiyon malzemelerinin mekanik iyileştirilmesi)

5-İTERN

ER-BAKIR ELEKTROLİTİK BAKIR MAMULERİ A.Ş.

Haz 2006 – Tem 20062 ay

## EĞİTİM

- 1- Orta Doğu Teknik Üniversitesi / Middle East Technical University Orta Doğu Teknik Üniversitesi / Middle East Technical University Doctor of Philosophy (PhD)Materials Engineering 2011 – 2017

Hydrothermal Synthesis ofTiO2 Nanostructures for Photocatalytic and Photovoltaic Applications

2- Yıldız Teknik Üniversitesi / Yildiz Technical University

Master of Science (MSc) Materials Engineering

2008 – 2010

Metalurji ve Malzeme Mühendisliği Bölümü lisans mezunu Metalurji ve Malzeme Mühendisliği Bölümü lisans mezunu

Yıldız Teknik Üniversitesi / Yildiz Technical University

Yıldız Teknik Üniversitesi / Yildiz Technical University Bachelor of Science (BS) Metallurgical and Materials Engineering 2004 – 2008

**YAYINLAR**

EMI Shielding Properties of Multilayer Thin Films

Current Applied Physics Oca 2020

Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO<sub>2</sub> nanoparticles

Journal of photochemistry and photobiology A: Chemistry 28 Mart 2019

Alkaline hydrothermal synthesis, characterization, and photocatalytic activity of TiO<sub>2</sub> nanostructures: Effect of initial TiO<sub>2</sub> phase

Journal of Nanoscience and

Nanotechnology 2018

doi:10.1166/jnn.2019.16171

doi:10.1166/jnn.2019.16171

Hydrothermal synthesis of 3D TiO<sub>2</sub> nanostructures using nitric acid:

Characterization and evolution mechanism

Ceramics International Nis 2016

Diğer yazarlar

Synthesis and enhanced photocatalytic activity of molybdenum, iron, and nitrogen triple-doped titania nanopowders

Ceramics International 2016

Synthesis of TiO<sub>2</sub> nanostructures via hydrothermal method

Ceram Trans 2015

Influence of Particle Size of TiO<sub>2</sub> Powder on the Energy Conversion Efficiency of a Dye-Sensitized Solar Cell

Advanced Materials Research 2013

Use of waste marble powder in brick industry

Construction and Building Materials 2011

Evaluating Waste Marble Dust as Floor Tile Materials Testing 2011

**ONUR VE ÖDÜLLER**

METU Thesis Award

ODTÜ

Haz 2018

**DİLLER**

Türkçe - Ana dil veya ikinci dil yetkinliği

İngilizce - Tam profesyonel yetkinliđi  
Almanca - Sınırlı alıřma yetkinliđi

## **ORGANİZASYONLAR**

American Ceramic Society