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Eğitim Bilgileri

Doktora, Imperial College of Science, Technology and Medicine, Mühendislik Fakültesi, Kimya Mühendisliği, İngiltere
1991 - 1994

Yüksek Lisans, Stanford University, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği, Amerika Birleşik Devletleri
1986 - 1988

Lisans, İstanbul Teknik Üniversitesi, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Türkiye 1980 - 1984

Yaptığı Tezler

Doktora, Compaction and Sintering of Ceramic Powders, Imperial College Of Science, Technology And Medicine, Kimya Mühendisliği, 1994

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Polimerik Malzemeler, Malzeme Karakterizasyonu, Termal Özellikler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilimi ve Teknolojisi Anabilim Dalı, 2009 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilimi ve Teknolojisi Anabilim Dalı, 2004 - 2009

Doç. Dr., University Of Auckland, Mühendislik Fakültesi, Kimya Ve Malzeme Mühendisliği, 1997 - 2003

Öğretim Görevlisi Dr., Imperial College, Mühendislik, Kimya Mühendisliği, 1995 - 1997

Araştırma Görevlisi, Imperial College of Science, Technology and Medicine, Mühendislik Fakültesi, Kimya Mühendisliği, 1991 - 1994

Araştırma Görevlisi, University of Cambridge, Cavendish Laboratory, Superconductivity Centre, 1989 - 1991

Araştırmacı, DEVTECH, 1988 - 1989

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), 2014 - Devam Ediyor
Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknoloji (Dr), 2010 - 2012

Yönetilen Tezler

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Enhancing the performance of HTPB-IPDI-based polyurethane composite liner through effective carbon black dispersion****
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- III. **3D printing of crude lignocellulosic biomass extracts containing hemicellulose and lignin**
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- IV. **Preparation of polybenzimidazole/ZIF-8 and polybenzimidazole/UiO-66 composite membranes with enhanced proton conductivity**
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- V. **Polybenzimidazole-modified carbon nanotubes as a support material for platinum-based high-temperature proton exchange membrane fuel cell electrocatalysts**

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- VIII. **Efficient Acetylation of Xylans by Exploiting the Potassium Acetate Formed During the Alkaline Extraction**
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- IX. **Fabrication and Characterization of Cross-linked Polybenzimidazole Based Membranes for High Temperature PEM Fuel Cells**
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ELECTROCHIMICA ACTA, cilt.245, ss.1-13, 2017 (SCI-Expanded)
- X. **Preparation of silica coated cobalt ferrite magnetic nanoparticles for the purification of histidine-tagged proteins**
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- XI. **Kinetic approach for the purification of nucleotides with magnetic separation**
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- XIII. **An unconventional approach for improving the integrity and mechanical properties of xylan type hemicellulose based films**
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- XIV. **Extrusion of xylans extracted from corn cobs into biodegradable polymeric materials**
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- XVIII. **Dynamic mechanical properties of flaxseed gum based edible films**
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- XIX. **Rheological study and fractal analysis of flaxseed gum gels**
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- XX. **Preparation and characterization of surface modified gamma-Fe₂O₃ (maghemite)-silica nanocomposites used for the purification of benzaldehyde lyase**
TURAL B., Sopaci S. B., ÖZKAN N., DEMİR A. G., Volkan M.
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- XXI. **Origin of Lyotropic Liquid Crystalline Mesophase Formation and Liquid Crystalline to Mesostructured Solid Transformation in the Metal Nitrate Salt-Surfactant Systems**
Albayrak C., ÖZKAN N., Dag O.
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- XXII. **CHARACTERISTICS OF FLAXSEED OIL FROM TWO DIFFERENT FLAX PLANTS**
Zhang Z., Wang L., Li D., Li S., ÖZKAN N.
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- XXIII. **Rheological properties of extruded dispersions of flaxseed-maize blend**
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- XXIV. **Anti-thixotropic properties of waxy maize starch dispersions with different pasting conditions**
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- XXV. **Dynamic viscoelastic properties of sweet potato studied by dynamic mechanical analyzer**
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- XXVI. **Effect of concentrated flaxseed protein on the stability and rheological properties of soybean oil-in-water emulsions**
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- XXVII. **Morphological properties and thermoanalysis of micronized cassava starch**
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- XXIX. **Rheological properties of waxy maize starch and xanthan gum mixtures in the presence of sucrose**
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- XXX. **Preparation and characterization of polymer coated superparamagnetic magnetite nanoparticle agglomerates**
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- XXXVI. **Evaluation of natural zeolite as a viscosity-modifying agent for cement-based grouts**
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- XXXVII. **Preparation and characterization of ni-nitrilotriacetic acid bearing Poly(Methacrylic acid) coated superparamagnetic magnetite nanoparticles**
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- XXXVIII. **Optimization of ethanol-water extraction of lignans from flaxseed**
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- XXXIX. **Effect of high-pressure homogenization on the structure of cassava starch**
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INTERNATIONAL JOURNAL OF FOOD PROPERTIES, cilt.10, sa.4, ss.911-922, 2007 (SCI-Expanded)
- XL. **Dynamic Viscoelastic Properties of Rice Kernels Studied by Dynamic Mechanical Analyzer**
CHEN K., LI D., WANG L., ÖZKAN N., CHEN X. D., MAO Z.
INTERNATIONAL JOURNAL OF FOOD ENGINEERING, cilt.3, sa.2, 2007 (SCI-Expanded)
- XLI. **Stickiness, functionality, and microstructure of food powders**
Chen X. D., Ozkan N.
DRYING TECHNOLOGY, cilt.25, ss.959-969, 2007 (SCI-Expanded)
- XLII. **Influences of Microemulsion Cross-linking Reaction and Ball-milling on Particle Size Characteristics of Potato and Maize Starches**
Zhou Y., Li D., Wang L., ÖZKAN N., Chen X. D., MAO Z.
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- XLIII. **Removal of a model protein foulant from metal surfaces**
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- XLIV. **Combined ohmic and plate heating of hamburger patties: Quality of cooked patties**
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- XLV. **On-line fouling/cleaning detection by measuring electric resistance-equipment development and application to milk fouling detection and chemical cleaning monitoring**
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- LI. **Rheological analysis of ceramic pastes**
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- LII. **Preparation of ceria-gadolinia electrolytes by the tape rolling technique**
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- LV. **Drying of aqueous ceramic suspensions**
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- LVI. **Optimisation of ceramic suspensions**
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- LVII. **Modelling of binder burnout process for ceramic compacts**
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- LVIII. **Shape prediction procedure for die pressed ceramic compacts**
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- LX. **Characterization of ceramic pastes by an indentation hardness test**
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- LXI. **Overall shape of sintered alumina compacts**
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- LXII. **Characterization of die pressed green compacts**
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- LXIII. **The surface topography of compacted agglomerates; A means to optimize compaction conditions**
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- LXIV. **3-D PROFILES AND SURFACE-TOPOGRAPHY OF ALUMINA COMPACTS**
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- LXVI. **DEVELOPMENT OF PB-RICH (BI, PB)3SR2CA2CU1OX PHASE DURING REFORMATION OF LEAD DOPED 2223 SUPERCONDUCTING PHASE FROM MELT QUENCHED GLASS**
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Desteklenen Projeler

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