

## Res. Asst. PhD Cenk DENKDAŞ

### Personal Information

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 2000 - 2006

### Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Fizik, 1998 - Continues

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

- I. **Prestretching effect and recovery process of polyvinyl alcohol film crosslinked with tartaric acid**  
Bozdoğan A., Aksakal B., Denktas C., Salt Y.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, 2020 (Journal Indexed in SCI)
- II. **Mechanical and film formation behavior from PDMS/NaY zeolite composite membranes**  
Denktas C.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, 2019 (Journal Indexed in SCI)
- III. **Polyvinyl Alcohol/EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub> Composites: Dielectric and Mechanical Properties**  
Süngü Mısırlıoğlu B., Ozdemir Z., Aksakal B., Salt Y., Tırnakçı B., Denktas C.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.28, pp.1968-1979, 2018  
(Journal Indexed in SCI)
- IV. **Effect of IR heating and the annealing time on the optical transmittance of polystyrene/Na-Alginate polymer composite films**  
Yargı Ö., Gelir A., Şarlı B., Sahinturk U., Aksakal B., Denktas C.  
PROGRESS IN ORGANIC COATINGS, vol.117, pp.146-153, 2018 (Journal Indexed in SCI)
- V. **Effect of multi wall carbon nanotube on electrical properties 4-[4-((S)-Citronellyloxy)benzoyleoxy]benzoic acid liquid crystal host**  
DENKTAŞ C., OCAK H., OKUTAN M., Yıldız A., Eran B. B., Koysal O.  
COMPOSITES PART B-ENGINEERING, vol.82, pp.173-177, 2015 (Journal Indexed in SCI)
- VI. **Optical characterization of spin-coated cobalt porphyrine thin films: effect of annealing temperature**

KOÇ K., KESKİN B., DENKTAŞ C.

PHILOSOPHICAL MAGAZINE LETTERS, vol.95, pp.511-518, 2015 (Journal Indexed in SCI)

- VII. **Electricity generating capacity and performance deterioration of a microbial fuel cell fed with beer brewery wastewater**

KÖROĞLU E. O. , ÖZKAYA B., DENKTAS C., ÇAKMAKCI M.

JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.118, pp.672-678, 2014 (Journal Indexed in SCI)

- VIII. **Change of surface and structure properties of cation exchange membrane in a microbial fuel cell**

ÖZKAYA B., DENKTAŞ C., ÇETİNKAYA A. Y. , ÇAKMAKCI M., KARADAĞ D., ŞAHİNKAYA E.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.6, pp.222-233, 2014 (Journal Indexed in SCI)

- IX. **Synthesis of Ni(II) porphyrazine peripherally 4-tert-butylbenzylthio moiety and electronic Schottky barrier diode octa-substituted with the properties of the Al/Ni(II)Pz/p-Si Schottky barrier diode**

KESKİN B., DENKTAŞ C., ALTINDAL A., Avcıata U., Gül A.

POLYHEDRON, vol.38, pp.121-125, 2012 (Journal Indexed in SCI)

- X. **Influence of apple flavor absorption on physical and mechanical properties of poly(ethylene terephthalate) films**

DENKTAS C., YILDIRIM H., San N.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.99, pp.1802-1807, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Investigation of Binding Free Energy of Different Peptides by Jarzynski's Equation**

Denkdaş C., Cantürk Rodop M.

Tamap Journal of Physical Science , vol.2019,1, pp.1-7, 2019 (International Refereed University Journal)

- II. **Preparation and Characterization of PDMS/SiO<sub>2</sub> Mixed Matrix Membranes for Separation of Bio-alcohols from Fermentation Broth**

Demet B., Salt Y., Denkdaş C., Özkaya B.

European Journal of Chemistry, Environment and Engineering Sciences, vol.3, 2019 (Refereed Journals of Other Institutions)

- III. **The influence of crosslinking temperature on the spectroscopic, thermal, and mechanical properties of poly(vinyl alcohol)/zeolite composites**

DENKTAŞ C.

TURKISH JOURNAL OF PHYSICS, vol.43, pp.196-206, 2019 (Journal Indexed in ESCI)

## Books & Book Chapters

- I. **Ses Fiziği**

DENKDAŞ C.

EFE AKADEMİ, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Conformational Flexibility of Different Peptides Antigen in Free with HLA-B51 Molecules investigated by molecular dynamics simulations**

DENKDAŞ C.

Turkish Physical Society-35th International Physics Congress (TPS-35), 4 - 08 September 2019

- II. **Effect of Crosslinking Concentration on Mechanical Performance of Polyvinyl Alcohol Membrane Crosslinked with Tartaric Acid**

Bozdoğan A., Aksakal B., Denktaş C., Salt Y.

- Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, pp.1
- III. **Effect of Pre-Stretching Following Short Term Stress-Relaxation on Mechanical Performance of Polyvinyl Alcohol Membrane Crosslinked with Tartaric Acid**  
Aksakal B., Bozdoğan A., Denктаş C., Salt Y.  
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, pp.1
- IV. **Effect of crosslinking concentration on mechanical performance of polyvinyl alcohol membrane crosslinked with tartaric acid**  
BOZDOĞAN A., AKSAKAL B., DENKDAŞ C., SALT Y.  
Turkish physical society 35th international physics congress, Muğla, Turkey, 4 - 08 September 2019, pp.329
- V. **Mechanical and Microstructure Behaviors of PDMS/zeolite Composite Membranes**  
DENKDAŞ C.  
International Conference on Sustainable Energy and Energy Calculations, 12 - 14 April 2019
- VI. **Preparation and Characterization of PDMS/SiO<sub>2</sub> Mixed Matrix Membranes for Separation of Bio-alcohols from Fermentation Broth**  
demet b., SALT Y., DENKDAŞ C., ÖZKAYA B.  
4 th Recycle and Reuse Conference, 24 - 26 October 2018
- VII. **Investigation of Microstructure and Thermal Properties of PVA Polymer Matrices**  
DENKDAŞ C.  
Turkish Physical Society 34 th International Physics Congress, 5 - 09 September 2018
- VIII. **Polyethyleneglycol (PEG) with Chewing Gum Additive For Dielectric Applications**  
ÇALIŞKAN M., DENKDAŞ C., KURUOĞLU F., SERİN M.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 05 September 2018
- IX. **Steered Molecular Dynamics (SMD) Simulations to Unravel the Binding Mechanism of Different Peptides to HLA-B51, an Antigen Associated with Behcet's Disease**  
DENKDAŞ C., CANTÜRK RODOP M.  
7 th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- X. **EuBa<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>9-x</sub> Ceramic Additive on Micro-Structural and Mechanical Properties of Polyvinyl Alcohol (PVA)**  
Güven Özdemir Z., Süngü Mısırlıoğlu B., Aksakal B., Tırnakçı B., Salt Y., Denктаş C.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017, pp.49
- XI. **2nd International Conference on Viable Energy Trends (InVenT-2017)**  
DENKDAŞ C., GÜVEN ÖZDEMİR Z., SÜNGÜ MISIRLIOĞLU B., Yılmaz Baysoy D., SALT Y.  
2nd International Conference on Viable Energy Trends (InVenT-2017), Helsinki, Finland, 28 April 2017, pp.189-197
- XII. **THE IMPACT OF DIFFERENT TYPE OF ZEOLITES ON DIELECTRIC SPECTRUM OF POLYVINYL ALCOHOL**  
DENKDAŞ C., GÜVEN ÖZDEMİR Z., SÜNGÜ MISIRLIOĞLU B., Yılmaz Baysoy D., SALT Y.  
2nd International Conference on Viable Energy Trends (InVenT-2017), Helsinki, Finland, 28 April 2017, pp.189-197
- XIII. **SEMI-EMPIRICAL & RHF GEOMETRY OPTIMIZATION AND MINIMIZATION ANALYSIS OF TAMOXIFEN MOLECULE**  
Uzun B., Denктаş C., Cantürk Rodop M.  
FROM COMPUTATIONAL BIOPHYSICS TO SYSTEMS BIOLOGY, Ankara, Turkey, 23 - 25 December 2016, pp.41
- XIV. **Effect of Surface Coating on Drinking Water Production Performance of UF Membrane**  
zengin i., YAMAN F. B., DENKDAŞ C., KARADAĞ D., ÇAKMAKCI M.  
International Symposium of Water and Wastewater Management, 26 - 28 October 2016
- XV. **INVESTIGATION OF TAMOXIFEN MOLECULE BINDING TO ESTROGEN RECEPTOR ALPHA AND BETA USING STEERED MOLECULAR DYNAMICS**  
uzun b., DENKDAŞ C., CANTÜRK RODOP M.  
32nd International Physics Congress, 6 - 09 September 2016
- XVI. **INVESTIGATION OF TAMOXIFEN MOLECULE BINDING TO ESTROGEN RECEPTOR ALPHA AND BETA**

## USING STEERED MOLECULAR DYNAMICS

Uzun B., Denктаş C., Cantürk Rodop M.

Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.308

### XVII. Mikrobiyal Yakıt Hücreleri

DENKDAŞ C.

akademik Seminer, 01 June 2016

### XVIII. Semi Empirical RHF Geometry Optimizat on and Minimization Analysis of Tamoxifen Molecule

uzun b., DENKDAŞ C., CANTÜRK RODOP M.

From Computational Biophysics to Systems biology CBSB16, 23 - 25 May 2016

### XIX. Electrical mechanism of Basalts with Polyaniline pani composites

Karabul Y., Yılmaz M. A. , Denктаş C., Okutan M., İçelli O.

1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Elazığ, Turkey, 25 - 28 March 2015

### XX. DOSE RATE DEPENDENT EFFECTS OF BETA AND GAMMA IRRADIATION ONCHITOSAN FILMS

DENKDAŞ C., YILMAZ BAYSOY D., KAM E.

4 th International Conference Mechanical Technology and Structural Materials 2014, 25 - 26 September 2014

### XXI. Preparation and Characterization of PVA/ZnO Nanohybrid Membrane

Can N., Okur N., Elgün G., Gök H., Y.Baysoy D., Kam E., Denктаş C.

Turkish Physical Society 29th International Physics Congress (TFD29) 5-8 September, Muğla, Turkey, 5 - 08 September 2012, pp.375

### XXII. Preparation and Characterization of Sodium Alginate/Zno Bio-Nanohybrid Membranes

Y. Baysoy D., Gök H., KAM E., Denктаş C.

Turkish Physical Society 29th International Physical Congress, 01 September 2012

### XXIII. The study of the effect of solvents absorption in PET packaging films

DENKDAŞ C., YILDIRIM H.

6 th international conference of the Balkan Physicsl Union, 03 September 2006

## Supported Projects

DENKDAŞ C., SALT Y., BOZDOĞAN A., AKSAKAL B., ÇALIŞKAN M., YARGI Ö., Project Supported by Higher Education Institutions, PVA Tabanlı Karışık Matriks Membranların KMM Mekanik ve Termal Davranışlarının İncelenmesi, 2020 - Continues

DENKDAŞ C., Project Supported by Higher Education Institutions, HLA-B\*51:01 ile ilişki olan peptitlerinin moleküler dinamik simülasyon yöntemi ile incelemesi, 2015 - 2018

DENKDAŞ C., Project Supported by Higher Education Institutions, HLA\*B52:01 proteini ile bağlı olan peptidlerin sistemlerinin Yönlendirmeli Moleküler Dinamik İncelenmesi, 2015 - 2017

Özkaya B., Karadağ D., Denктаş C., Çetinkaya A. Y. , Baysoy D. Y. , TUBITAK Project, Yeni Geliştirilen Çapraz Akışlı Çoklu Tüp Mikrobiyal Yakıt Hücresi İle Eysel Atıksu Akımından Elektrik Enerjisi Üretimi, 2012 - 2014

## Invited Congress and Symposium Activities

EuBa2Ca2Cu3O9-x Ceramic Additive on Micro-structural and Mechanical properties of Polyvinil Alcohol (PVA), Attendee, Nevşehir, Turkey, 2017

THE IMPACT OF DIFFERENT TYPE OF ZEOLITES ON DIELECTRIC SPECTRUM OF POLYVINYL ALCOHOL, Attendee, Helsinki, Finland, 2017

Akademik seminer, Invited Speaker, İstanbul, Turkey, 2016

## Citations

Total Citations (WOS):37

h-index (WOS):3

## **Awards**

DENKTAŞ C., Electricity generating capacity and performance deterioration of a microbial fuel cell fed with beer brewery wastewater, The Society of Biotechnology Japan, November 2015