

## Assoc. Prof. HANDAN ENGİN KIRIMLI

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-6732-2021

ScopusID: 24460574700

Yoksis Researcher ID: 157805

### Education Information

Doctorate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 2005 - 2010

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 2001 - 2004

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 1995 - 1999

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2016 - Continues

Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2002 - 2016

### Academic and Administrative Experience

Birime Bağlı Komisyon/Kurul Üyesi, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2024 - Continues

Birime Bağlı Komisyon/Kurul Üyesi, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2022 - Continues

### Courses

FZK5183 YÜKSEK LİSANS UZMANLIK ALAN DERSİ III, Postgraduate, 2023 - 2024

FZK1583 Fizik I Lab. B Grb (Moleküler Biyoloji ve Genetik), Undergraduate, 2023 - 2024

FZK1071 Temel Fizik I ( Müh. Fak. Tekstil Müh.), Undergraduate, 2023 - 2024  
FZK4004 İstatistik Fizik, Undergraduate, 2022 - 2023  
FZK1072 Temel Fizik II ( Müh. Fak. Bilgisayar Müh.-B Grubu), Undergraduate, 2022 - 2023  
FZK1085 Temel Fizik (Ziraat Fak. Bitki Koruma), Undergraduate, 2023 - 2024  
FZK1083 Fizik I-B Grb (Moleküler Biyoloji ve Genetik), Undergraduate, 2023 - 2024  
FZK1085Fizik (Ziraat Fak.) (Bitki Koruma), Undergraduate, 2022 - 2023  
FZK 1072 Fizik (Müh. Fak. Çevre Müh.), Undergraduate, 2021 - 2022  
FZK1071 Fizik I (Tekstil Mühendisliği), Undergraduate, 2022 - 2023  
FZK 1583 Fizik I Laboratuvarı, Undergraduate, 2022 - 2023  
FZK5107 İLERİ ATOM FİZİĞİ, Postgraduate, 2022 - 2023  
FZK 1072 Temel Fizik II ( Müh. Fak. Bilgisayar Müh.), Undergraduate, 2021 - 2022  
FZK1083 Fizik I, Undergraduate, 2022 - 2023  
FZK 1085 TEMEL FİZİK (ZİRAAT FAK. BİTKİ KORUMA), Undergraduate, 2017 - 2018, 2016 - 2017  
FZK 1085 FİZİK (ZİRAAT FAK.) (ZOOTEKİNİ), Undergraduate, 2017 - 2018, 2016 - 2017  
FZK 1076 Fizik (Biyoloji), Undergraduate, 2016 - 2017  
FZK 1085 Fizik (Ziraat Fak. Toprak Bil.ve Bitki Beslenme), Undergraduate, 2016 - 2017  
FZK 1085 Fizik Lab.(Biyoloji), Undergraduate, 2016 - 2017  
FZK 5102 Fizik (Sıvılarda Rezonans Çizgilerinin Çok Katlı Yapısı), Postgraduate, 2016 - 2017

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

- I. **Intermolecular effects of fluorocarbons on MC800 asphaltene and their characterization**  
Kirimli H., Ovalioglu H., Akay C.  
Acta Physica Polonica A, vol.131, no.3, pp.336-338, 2017 (SCI-Expanded)
- II. **Determining the interaction and characterization of asphaltene in alkylbenzene solvents using nuclear-electron double resonance**  
Engin Kırımlı H.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.38, no.4, pp.498-505, 2017 (SCI-Expanded)
- III. **Intermolecular magnetic spin-spin interaction in asphaltene suspensions at 1.53 mT**  
Ovalioglu H., Kirimli H., Akay C.  
Acta Physica Polonica A, vol.129, no.4, pp.806-809, 2016 (SCI-Expanded)
- IV. **F Dynamic Nuclear Polarization and SEM in Suspensions Consisting of Fluorobenzene Derivatives and Asphaltene Extracted from MC-800 Liquid Asphalt**  
Engin Kırımlı H., Ovalioğlu H.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.255-264, 2014 (SCI-Expanded)
- V. **Glass Forming Ability and Magnetic Properties of Fe<sub>36</sub>Ni<sub>36</sub>B<sub>19.2</sub>Si<sub>4.8</sub>Nb<sub>4-x</sub>M<sub>x</sub> (M = Cu, Zr, Ti, Y, Pt) Bulk Glassy Alloys Fabricated by Suction Casting**  
Engin Kırımlı H., Sarlar K., Konuk A. O., Duman N., Akdeniz M. V., Küçük İ.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1683-1685, 2013 (SCI-Expanded)
- VI. **The effect of sample age on dynamic nuclear polarization parameters in asphalt suspensions**  
Kirimli H., Peksoz A., Ovalioglu H., Yalciner A.  
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.33, no.7, pp.604-611, 2011 (SCI-Expanded)
- VII. **A low field proton-electron double resonance study for paramagnetic solutions**  
ENGİN KIRIMLI H., PEKSÖZ A.  
MOLECULAR PHYSICS, vol.109, no.3, pp.337-350, 2011 (SCI-Expanded)
- VIII. **Dynamic nuclear polarization in highly fluorinated solutions**  
Ovalioglu H., PEKSÖZ A., ENGİN KIRIMLI H., Yalciner A.  
Journal of Dispersion Science and Technology, vol.31, no.3, pp.332-337, 2010 (SCI-Expanded)
- IX. **Intermolecular Spin-Spin Coupling in Highly Fluorinated Solutions of Galvinoxyl Free Radical**

OVALIOĞLU H., PEKSÖZ A., ENGİN KIRIMLI H., Yalciner A.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.65, no.3, pp.254-262, 2010 (SCI-Expanded)

X. **Dynamic nuclear polarization in suspensions consisting of pure and mixed chlorobenzene and pyridine and asphaltene extracted from asphalt cement with penetration grad 60**

Ersozlu N. U., PEKSÖZ A., Ovalioglu H., Kirimh H., Cimenoglu M. A., Yalciner A.

Journal of Dispersion Science and Technology, vol.29, no.6, pp.899-904, 2008 (SCI-Expanded)

## Articles Published in Other Journals

I. **NMR Spectroscopy in the Earths Magnetic Field**

Akay C., Engin Kırımlı H.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.12, no.2, pp.428-434, 2023 (Peer-Reviewed Journal)

II. **Overhauser Dynamic Nuclear Polarization Parameters of a Nitroxide Radical in Liquid**

Engin Kırımlı H.

Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.4, pp.2729-2736, 2021 (Peer-Reviewed Journal)

III. **Year-Dependent Change of DNP Parameters in p-Difluorobenzene Suspension with Asphaltene**

Engin Kırımlı H.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.2, pp.370-374, 2021 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **DYNAMIC NUCLEAR POLARIZATION PARAMETERS OF NITROXIDE RADICAL WITH 4-FLUOROBENZYLAMINE**

Engin Kırımlı H.

in: SCIENTIFIC RESEARCHES 2, Prof. Dr. Sevi ÖZ, Editor, İKSAD Yayınevi, Ankara, pp.59-75, 2022

II. **Atom ve Molekül Fiziği laboratuvarı Deney Kılavuzu**

PEKSÖZ A., OVALIOĞLU H., ENGİN KIRIMLI H.

Uludağ Üniversitesi Basımevi Müdürlüğü, Bursa, 2008

## Refereed Congress / Symposium Publications in Proceedings

I. **IN LIQUID-STATE DYNAMIC NUCLEAR POLARIZATION USING NITROXIDE RADICAL**

Engin Kırımlı H.

4. INTERNATIONAL 19 MAY INNOVATIVE SCIENTIFIC APPROACHES CONGRESS, Samsun, Turkey, 21 - 22 December 2020, pp.6-7

II. **YEAR-DEPENDENT CHANGE OF DNP PARAMETERS IN p-DIFLUOROBENZENE SUSPENSION WITH ASPHALTENE**

ENGİN KIRIMLI H.

International Marmara Sciences Congress IMASCON 2020 - Autumn, 4 - 05 December 2020

III. **OVERHAUSER-DNP AND EPR STUDIES AT THE NMR SPECTROMETER**

Engin Kırımlı H.

II. ULUSLARARASI 29 EKİM BİLİMSEL ARAŞTIRMALAR SEMPOZYUMU, Ankara, Turkey, 29 - 31 October 2020, pp.123-124

IV. **A STUDY ON OVERHAUSER DYNAMIC NUCLEAR POLARIZATION ENHANCEMENTS IN SOLUTIONS INCLUDING FREE RADICAL**

ENGİN KIRIMLI H.

ADIM Fizik Günleri VIII, 12 - 15 September 2019

- V. **Fluorocarbons Effects on MC800 Asphaltene and Their Characterization**  
ENGİN KIRIMLI H., OVALIOĞLU H.  
6th International Advances in Applied Physics and Materials Science Congress Exhibition, İstanbul, Turkey, 1 - 03 June 2016
- VI. **Intermolecular Magnetic Spin Spin Interaction in Asphaltene Suspensions at 1 53 mT**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
5th International Advances in Applied Physics and Materials Science Congress Exhibition, 16 - 19 April 2015
- VII. **<sup>1</sup>H Dynamic Nuclear Polarization and EPR Spectra in Solutions of Tempo FreeRadical at 1 53 mT**  
ENGİN KIRIMLI H., OVALIOĞLU H.  
4th International Advances in Applied Physics and Materials Science Congress Exhibition, 24 - 27 April 2014
- VIII. **Elektron Spin Rezonans (ESR) Spektroskopisi ve Arkeometri Laboratuvarı**  
KÜÇÜK N., ENGİN KIRIMLI H., BAŞKAYA H. S., ŞAHİN M., KÜÇÜK İ., ŞAHİN D.  
Uludağ Üniversitesi II. Bilgilendirme ve Ar-Ge Günleri, 13 November 2012 - 15 January 2022
- IX. **<sup>1</sup>H DNP in solutions 4 amino tempo radical at1.53mT**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- X. **Dynamic Nuclear Polarization Parameters in Suspensions Consisting of Fluorocarbons and Asphaltene**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- XI. **<sup>1</sup>H AND <sup>19</sup>F DYNAMIC NUCLEAR POLARIZATION STUDIES IN COLLOIDAL ASPHALTENE SUSPENSIONS**  
ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- XII. **Effect of MC 800 Liquid Asphalt on the Mechanical and Magnetic Properties of Fe<sub>36</sub>Ni<sub>36</sub>B<sub>19</sub> 2Si<sub>4</sub> 8Nb<sub>4</sub> xMx M Cu Zr Ti Y Pt Bulk Glassy Alloys Fabricated**  
ENGİN KIRIMLI H., ŞARLAR K., KÜÇÜK İ.  
29th International Physical Congress, 5 - 08 September 2012
- XIII. **Glass Forming Ability and Magnetic Properties of Fe<sub>36</sub>Ni<sub>36</sub>B<sub>19</sub>.2Si<sub>4</sub>.8Nb<sub>4</sub>-xMx (M=Cu, Zr, Ti, Y, Pt) Bulk Glassy Alloys Fabricated by Suction Casting**  
ENGİN KIRIMLI H., ŞARLAR K., KÜÇÜK N., KONUK A. O., DUMAN İŞİTMAN N., AKDENİZ M., KÜÇÜK İ.  
3rd INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM – ICSM2012, İstanbul, Turkey, 29 April - 04 May 2012
- XIV. **Effect of Ti Substitution for Nb on Glass Forming Ability, Magnetic Properties and Thermal Characteristics of Fe-Ni Based Bulk Metallic Glasses Produced by Suction Casting**  
KONUK A. O., ŞARLAR K., ENGİN KIRIMLI H., KÜÇÜK N., KÜÇÜK İ.  
28th International Physical Congress, 6 - 09 September 2011
- XV. **ROLE OF Cu IN GLASS FORMATION OF Fe-Ni BASED BULKMETALLIC GLASSES**  
ENGİN KIRIMLI H., KONUK A. O., ŞARLAR K., KÜÇÜK N., KÜÇÜK İ.  
28th International Physical Congress, 6 - 09 September 2011
- XVI. **Structure, Thermal Stability and Magnetic Properties of Pt-Doped Fe<sub>36</sub>Ni<sub>36</sub>B<sub>19</sub>.2Si<sub>4</sub>.8NB<sub>4</sub>-xPtx (x=0,1,2,3 and 4) Bulk Metallic Glasses**  
ŞARLAR K., KONUK A. O., ENGİN KIRIMLI H., KÜÇÜK N., KÜÇÜK İ.  
28th International Physical Congress, 6 September - 09 November 2011
- XVII. **Intermolecular Spin-Spin Coupling in Highly Fluorinated Solutions Of Galvinoxyl Free Radical**  
OVALIOĞLU H., PEKSÖZ A., AKAY K. S., KAYA Y., ENGİN KIRIMLI H., YALÇINER A.  
26th International Physical Congress, 24 - 27 September 2009
- XVIII. **ASFALT SÜSPANSİYONLARINDA ÖRNEK YAŞININDINAMİK NÜKLEER POLARİZASYON PARAMETRELERİNEETKİSİ**  
ENGİN H., ÇİMENOĞLU M. A., YALÇINER A.  
TFD 22. Türk Fizik Kongresi, Turkey, 14 - 17 September 2004

## **Metrics**

Publication: 33

Citation (WoS): 35

Citation (Scopus): 35

H-Index (WoS): 4

H-Index (Scopus): 4