

# Prof. HÜSEYİN OVALIOĞLU

## Personal Information

Office Phone: [+90 0224 294 1691](tel:+9002242941691)

Email: [ovali@uludag.edu.tr](mailto:ovali@uludag.edu.tr)

Web: <https://avesis.uludag.edu.tr/ovali>

## International Researcher IDs

ScholarID: Ys2aKIoAAAAJ

ORCID: 0000-0002-7224-7526

ScopusID: 24460278400

Yoksis Researcher ID: 157808

## Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), Turkey 1999 - 2008

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, Turkey 1996 - 1998

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, Turkey 1990 - 1995

## Foreign Languages

English, A2 Elementary

## Dissertations

Doctorate, Flüorokarbonlarda EPR Spektrumları, Spin-Örgü Durulma Zamanları ve UV Spektrumlarının İncelenmesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2008

Postgraduate, Proton ve Fluor Spini İçeren Bazı Organik Moleküllerde NMR Aşırı İnce Yapısının Bilgisayar Yardımıyla Elde Edilmesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1998

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2014 - Continues

## Academic and Administrative Experience

Director of Vocational School, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2021 - Continues

Vice Dean, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2015 - 2017

## Advising Theses

OVALIOĞLU H., Magnetic particle imaging systems, Postgraduate, E.Uzak(Student), 2019

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

- I. **Sample age effect on parameters of dynamic nuclear polarization in certain difluorobenzene isomers/MC800 asphaltene suspensions**  
OVALIOĞLU H.  
OPEN CHEMISTRY, vol.20, no.1, pp.97-104, 2022 (SCI-Expanded)
- II. **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)
- 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 Kirimli H., Ovalioğlu H.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.255-264, 2014 (SCI-Expanded)
- V. **The effect of sample age and neutron radiation to dynamic nuclear polarization parameters in some asphaltene suspensions**  
Ovalioglu H.  
Journal of Dispersion Science and Technology, vol.32, no.10, pp.1470-1476, 2011 (SCI-Expanded)
- VI. **Analytical information on the asphaltenes from a few standard characterization techniques**  
Peksoz A., Akay S. K., Kaya Y., Ovalioglu H., Kaynak G., Yalciner A.  
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.33, no.15, pp.1474-1481, 2011 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **Magnetic properties of nano-crystalline barium ferrite synthesized by different synthesis route**  
Ovalioglu H., Sozeri H., Kabaer M., Kucuk I.  
Acta Physica Polonica A, vol.118, no.5, pp.1020-1021, 2010 (SCI-Expanded)
- XI. **Computational modeling of magnetic properties and glass forming ability of bulk amorphous materials**  
Kabaer M., Ovalioglu H., Kucuk I.  
Acta Physica Polonica A, vol.118, no.5, pp.827-828, 2010 (SCI-Expanded)
- XII. **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., Kirimli 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. **Application of nuclear magnetic resonance/magnetic resonance imaging techniques to estimate proton relaxation parameters in various solvent at Earth field**  
OVALIOĞLU H.  
Emerging Materials Research, 2022 (Scopus)
- II. **Simulation of NMR Hyperfine Structure Constant for AB<sub>2</sub>, A<sub>2</sub>B<sub>2</sub> and A<sub>2</sub>B<sub>3</sub> Systems**  
OVALIOĞLU H.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 11(1): 200-211, 2021 Journal of the Institute of Science and Technology, 11(1): 200-211, 2021, vol.11, no.1, pp.200-211, 2020 (Peer-Reviewed Journal)
- III. **Synthesis and Characterization of Barium Ferrite Containing Magnetic Affinity Microbeads and Isotherm Analysis of Cr(VI) Ions Adsorption from Aqueous Solutions**  
KARA A., Demirbel E., SÖZERİ H., KÜÇÜK İ., OVALIOĞLU H.  
Hacettepe Journal of Biology and Chemistry, vol.42, no.3, pp.299-312, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **CHAPTER 6 : THE EFFECT OF SAMPLE AGE OF N-METHYL-BİSTRİFLUOROACETAMİDE IN GALVİNOXYL RADICAL ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**  
OVALIOĞLU H.  
in: NATURAL SCIENCES: METHODS AND APPLICATIONS, Dr. Seda CETİNDERE, Editor, iksad Publishing House, Ankara, pp.133-148, 2021
- II. **CHAPTER 5 : THE EFFECT OF SAMPLE AGE OF METADİFLUOROBENZENE IN MC-800 ASPHALTENE SUSPENSION ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**  
OVALIOĞLU H.  
in: NATURAL SCIENCES: METHODS AND APPLICATIONS, Dr. Seda CETİNDERE, Editor, iksad Publishing House, Ankara, pp.115-132, 2021
- III. **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. **DETERMINATION THEORETICAL SPECTRA BY COMPUTER SIMULATION FOR AB<sub>2</sub> SYSTEM**  
OVALIOĞLU H.  
II. ULUSLARARASI 29 EKİM BİLİMSEL ARAŞTIRMALAR SEMPOZYUMU 29-31 Ekim 2020 ANKARA, Ankara, Turkey, 29 October 2020, pp.125-126
- II. **EFFECT OF SAMPLE AGE OF ORTO 1,2 DİFLUOROBENZENE IN MC-800 ASPHALTENE SUSPENSION ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**  
OVALIOĞLU H.  
CUKUROVA 5th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE October 9-11,2020 / Adana, TURKEY, Adana, Turkey, 09 October 2020, pp.151-152
- III. **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
- IV. **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

- V. **1H 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
- VI. **1H DNP in solutions 4 amino tempo radical at1.53mT**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- VII. **Dynamic Nuclear Polarization Parameters in Suspensions Consisting of Fluorocarbons and Asphaltene**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- VIII. **Dynamic Nuclear Polarization Parameters in Suspension Consisting of Fluorocarbons and Asphaltene**  
OVALIOĞLU H., ENGİN KIRIMLI H.  
29th International Physical Congress, 5 - 08 September 2012
- IX. **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
- X. **Zayıf Alan Çift RezonansNMR Spektrometresi için Ortalama Bilgisayarı**  
AKAY C., Yalçiner A., OVALIOĞLU H.  
I. Kızılırmak Uluslararası Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 May - 22 October 1998
- XI. **B\_1998 Proton ve Fluor içeren Bazı Organik Moleküllerin NMR Aşırı İnce Yapısının Bilgisayar Yardımıyla İncelenmesi 2**  
Yalçiner A., OVALIOĞLU H., AKAY C.  
II. Kızılırmak Uluslararası Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 May - 22 October 1998
- XII. **Dynamic Nuclear Polarization in Suspensions of Liquid Asphalts in Weak Magnetic Field**  
Yalçiner A., Çimenoğlu M. A., AKAY C., OVALIOĞLU H.  
LAMP-97 International Symposium on Lasers, Atomic and Molecular Physics, İstanbul, Turkey, 16 - 20 September 1997

## Metrics

Publication: 31

Citation (WoS): 41

Citation (Scopus): 47

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