

## Lect. PhD FATİH ÖZKALAYCI

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-4361-2020

Yoksis Researcher ID: 28209

### Education Information

Doctorate, Firat University, Institute Of Science, Physics, Turkey 2012 - 2018

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, Turkey 2008 - 2011

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Fizik, Turkey 2003 - 2008

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, ELECTRONIC AND DYNAMIC PROPERTIES OF ATOM-DIATOM AND DIATOM-DIATOM INTERACTIONS, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, 2018

Postgraduate, Comparison of puls shape discrimination capabilities of Hidex 300SL and Hidex triathler, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, 2011

### Research Areas

Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Rektörlük, Rektörlük, 2018 - Continues

Lecturer, Karadeniz Technical University, Rektörlük, Rektörlük, 2015 - 2018

Research Assistant, Bingol University, Faculty Of Arts And Sciences, Department Of Physics, 2009 - 2015

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

1. Ulexite/HDPE-Bi<sub>2</sub>O<sub>3</sub>/HDPE layered composites for neutron and gamma radiation shielding

ALVER Ü., UZUN DURAN S., DEMİRKÖZ M. B., Mucogllava B., ASLAN M., ÇAVA K., ÖZKALAYCI F., Dindar O.  
APPLIED RADIATION AND ISOTOPES, vol.200, 2023 (SCI-Expanded)

- II. **Lead(II) chloride effects on nuclear shielding capabilities of polymer composites**  
ÖZKALAYCI F., Kacal M. R., Agar O., Polat H., Sharma A., Akman F.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.145, 2020 (SCI-Expanded)
- III. **Elemental analysis for iron, cobalt, copper and zinc decorated hydroxyapatite synthetic bone dusts by EDXRF and SEM**  
Koksal O. K., Wrobel P., APAYDIN G., Cengiz E., LANKOSZ M., Tozar A., Karahan I. H., ÖZKALAYCI F.  
MICROCHEMICAL JOURNAL, vol.144, pp.83-87, 2019 (SCI-Expanded)
- IV. **Investigation of heavy metal distributions along 15m soil profiles using EDXRF, XRD, SEM-EDX, and ICP-MS techniques**  
Ozen S. A., ÖZKALAYCI F., ÇEVİK U., VAN GRIEKEN R.  
X-RAY SPECTROMETRY, vol.47, no.3, pp.231-241, 2018 (SCI-Expanded)
- V. **Assessment of Radiological Levels at Schools in Trabzon, Turkey**  
ÇEVİK U., Celik A., Celik N., Ozkalayci F., Akbulut S.  
INDOOR AND BUILT ENVIRONMENT, vol.22, no.2, pp.376-383, 2013 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Calculation of the X-Ray Absorption Coefficients for nMnHAp**  
KÖKSAL O. K., APAYDIN G., TOZAR A., ÖZKALAYCI F., KARAHAN İ. H., Cengiz E.  
European Conference on X-Ray Spectrometry, Ljubljana, Slovenia, 24 - 29 June 2018, pp.58
- II. **Investigation of Rg-NO Interactions**  
ÖZKALAYCI F., ÖREK C., Klos J., Lique F., BULUT N.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- III. **DYNAMIC CALCULATIONS OF RG-NO (X1Σ) VAN DER WAALS COMPLEXES**  
ÖZKALAYCI F., ÖREK C., Klos J., Lique F., BULUT N.  
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- IV. **WEAKLY INTERACTING MOLECULAR CLUSTER OF H2 WITH NO**  
ÖZKALAYCI F., ÖREK C., BULUT N.  
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- V. **Natural Bond Orbital Analysis of NOH2 Molecule**  
ÖZKALAYCI F., ÖREK C., BULUT N.  
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VI. **Hydrogen Migration Study in NOH2 Reaction**  
ÖZKALAYCI F., ÖREK C., BULUT N.  
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VII. **Ab Initio Calculations of the Rg-NO Structure and Vibrational Frequencies**  
ÖREK C., ÖZKALAYCI F., BULUT N.  
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VIII. **Ab initio intermolecular potential energy surfaces of H2-NO Complex.**  
ÖREK C., ÖZKALAYCI F., BULUT N.  
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- IX. **Vibrational Spectra Analysis: NO-CH Interactions**  
ÖZKALAYCI F., BULUT N.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017, pp.278
- X. **Electronic Properties of Atom Diatom Interactions**  
ÖZKALAYCI F., BULUT N.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- XI. **Calculation of Electronic Structure of Diatomic Molecules and Atom Molecule Interactions with**

## **Different Methods**

ÖZKALAYCI F., ÖREK C., BULUT N.

1st International Conference on Organic Electronic Material Technologies (OEMT2015), 25 - 28 March 2015

**XII. Evaluation of ED XRF analysis results using data reduction**

AKBULUT ÖZEN S., ÇEVİK U., Novakovic V., de Wael K., ÖZKALAYCI F.

1st International Conference on New Trends in Chemometrics and Applications, 8 - 11 November 2011

**XIII. Comparison of pulse shape discrimination capabilities of Hidex 300SL and Hidex Triathler**

ÖZKALAYCI F., DeVol T. A., AKBULUT ÖZEN S., ÇEVİK U., ÇELİK A.

28th International Physics Congress, 6 - 09 September 2011

**XIV. Assessment of heavy metal distribution in Nilufer Bursa with several nondestructive X ray techniques**

AKBULUT ÖZEN S., ÖZKALAYCI F., Rene V. G., ÇEVİK U.

28th International Physics Congress, 6 - 09 September 2011

**XV. Thermoelectric Converter**

ÖZKALAYCI F., Kocaslan M. A., Zengin Z.

4th International Student Conference of the Balkan Physical Union (ISCBPU-4), 29 August - 01 September 2006

## **Metrics**

Publication: 20

Citation (WoS): 36

Citation (Scopus): 43

H-Index (WoS): 4

H-Index (Scopus): 4

## **Non Academic Experience**

Clemson Universitesi