

Res. Asst. İLKNUR BALDAN IŞIK

Personal Information

Email: ibaldan@cu.edu.tr

Web: <https://avesis.cu.edu.tr/ibaldan>

Education Information

Post Graduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Temel Tıp Bilimleri, Turkey 2014 - 2017

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2014 - 2017

Undergraduate Double Major, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2011 - 2014

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, Turkey 2010 - 2013

Under Graduate, Kütahya Dumlupınar University, Fen Edebiyat Fakültesi, Fizik, Turkey 2008 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Post Graduate, Torasik aorta uygulanan pulslu manyetik alanın apoptotik etkilerinin kasılma parametreleri üzerinden incelenmesi / Investigation of apoptotic effects of thoracic aortic pulsed magnetic field with contraction parameters, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 2017

Post Graduate, Hadronik ileri kalorimetre (HF)'de kullanılan QIE10 kartlarının Pedestal, CapID, ICI testleri, Cukurova University, Fen Bilimleri Enstitüsü, 2017

Research Areas

Physics, Atomic and Molecular Physics, Surfaces, Interfaces, Thin Films and Nanosystems, Natural Sciences

Academic Titles / Tasks

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2021 - Continues

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, 2017 - 2021

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

- Theoretical (Hirshfeld surface, molecular docking, structural, electronic properties, NBO and NLO analyses) and spectroscopic studies of 6-chloro-2-oxindole in monomeric and dimeric forms**
Baldan Işık İ., Güneşdoğdu Sağdıç S.
JOURNAL OF MOLECULAR STRUCTURE, no.1245, pp.1-15, 2021 (Journal Indexed in SCI)
- Single crystal X-ray structural characterization, Hirshfeld surface analysis, Electronic Properties, NBO, and NLO calculations and vibrational analysis of monomeric and dimeric forms 5-nitro-2-**

oxindole

Güneşdoğdu Sağdıncı S., Akcay B. K., Yıldız S. Z., Baldan Işık İ.

NEW JOURNAL OF CHEMISTRY, no.45, pp.10070-10088, 2021 (Journal Indexed in SCI)

III. Pulsed magnetic field maintains vascular homeostasis against H₂O₂-induced oxidative stress.

Günay İ., Baldan İ., Tokuş M., Coşkun Ç., Öcal I., Çiçek F.

General physiology and biophysics, vol.39, no.6, pp.579-586, 2020 (Journal Indexed in SCI Expanded)

IV. Thermal behaviors of exotic Z_c (3900) state in tetraquark approach

Baldan Işık İ., Sundu Pamuk H., Veli E.

European Physical Journal Plus, vol.135, no.1, pp.1-9, 2020 (Journal Indexed in SCI)

Articles Published in Other Journals

I. HADRONİK İLERİ KALORİMETRE (HF)'DE KULLANILAN QIE10 KARTLARININ PEDESTAL, CAPID VE İCI TESTLERİ

BALDAN İ., EŞKUT E.

Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, vol.35, no.1, pp.71-80, 2018 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Analysis Of Coal By Laser Induced Plasma Spectroscopy Technique

BALDAN IŞIK İ., IŞIK H. H., DEMİR A.

Turkish Physical Society 35th International Physics Congress, 03 September 2019 - 08 September 2018

II. H₂O₂ differently effects to the contractions of thoracic aorta in vivo magnetic field exposure

GÜNAY İ., BALDAN İ., ÇİÇEK F., ÖCAL I., COŞKUN Ç.

30th ANNUAL BIOPHYSICS CONGRESS (INTERNATIONAL), 10 - 13 October 2018

III. Effects of Pulsed Magnetic Fields to Vascular Responses

ÇİÇEK F., GÜNAY İ., BALDAN İ., ÖCAL I.

International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, 31 October - 03 November 2018

IV. PMF Regulate Fibrocartilage Activity in Microfractures

BALDAN IŞIK İ., GÜNAY İ., ÇİÇEK H.

International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, 31 October - 03 November 2018

V. Thermal QCD sum rules for Z_c(3900) Treated as a Tetraquark State

Baldan İ., Veli E., Sundu Pamuk H.

Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 October 2018

VI. The effects of 40 Hz pulsed magnetic fields on H₂O₂-induced Ca²⁺ responses in the vascular smooth muscle cells

Çiçek F., Baldan İ., Taştekin B., Öcal I., Günay İ.

6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2017, pp.506

VII. Quantitative Analysis of Low Atomic Number Elements by Laser Induced Breakdown Spectroscopy Technique

Demir A., Kaya E. B., Turan K., Baldan Işık İ., Işık H. H.

10th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, Brno, Czech Republic, 8 - 13 September 2019, pp.169-170

Scholarships

Üstün Başarı Bursu, Special Institutions and Organizations, 2011 - 2013