

Res. Asst. KÜBRA BAYRAK

Personal Information

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Education Information

Doctorate, Akdeniz University, Fen Bilimleri, Turkey 2019 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey 2016 - 2019

Undergraduate, Yildiz Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 2011 - 2016

Certificates, Courses and Trainings

Education Management and Planning, Enerji Teknolojileri Yaz Okulu (ETY-2019): Yakıt Pili Teknolojileri, Niğde Ömer Halis Demir Üniversitesi, 2019

Education Management and Planning, CETS2017, Central European Training School on Neutron Techniques, 2017

Research Areas

Physics, Natural Sciences

Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Science, Department of Physics, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of position-dependent effective mass on the optical properties of a spherical quantum dot confined in inverse square root truncated and deformed exponential potential**
BAYRAK K., KAYA D., BAYRAK O.
European Physical Journal Plus, vol.138, no.6, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Heavy Metal Concentrations in The Gulf of Izmit (Marmara Sea) Altinova Shipyard Region**
BAYRAK K., Kam E., Yümün Z. Ü., Önce M.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.4, pp.1263-1276, 2022 (Scopus)
- II. **EVALUATION OF EXCESS LIFETIME CANCER RISK CAUSED BY EXTERNAL EXPOSURE DUE TO NATURAL RADIOACTIVITY IN BOLU, TURKEY**
Ates N. Z., BAYRAK K., Turgay M. E., KAM E.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.2, pp.945-954, 2020 (ESCI)

- III. **Investigation of Outdoor Gamma Dose Rates in Yalova, Turkey**
Bayrak K., Yümün Z. Ü., Çakar M.
Avrupa Bilim ve Teknoloji Dergisi, no.18, pp.568-573, 2020 (Peer-Reviewed Journal)
- IV. **Concentrations of environmental radioactivity in sediment cores from kulakcayiri lake**
KAM E., Yumun Z. U., Acikgoz G., Bayrak K.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, no.3, pp.1371-1374, 2018 (Scopus)
- V. **A Study of Background Radioactivity Level for Edirne, Turkey**
Yümün Z. Ü., BAYRAK K., Aksoy H., Ayseli U.
Journal of Engineering Technology and Applied Sciences, vol.3, no.2, pp.135-139, 2018 (Peer-Reviewed Journal)
- VI. **Determination of Natural Radiation Levels in Izmit Gulf Altinova Shipyard Area**
BAYRAK K., Yümün Z. Ü., Kam E.
Journal of Biological and Environmental Sciences, vol.12, no.34, pp.7-11, 2018 (Peer-Reviewed Journal)
- VII. **Investigation of the Shielding Capability of Concrete Matrixed Colemanite Reinforced Shielding Material**
Tuna T., Bayrak K.
Journal of Engineering Technology and Applied Sciences, vol.2, no.2, pp.57-63, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Neutron Radiation Shielding Capability of the Boron Added Barite Concrete Samples**
BAYRAK K., Kam E.
International Conference on Material Science and Technology, Ankara, Turkey, 18 - 20 October 2019, pp.18
- II. **Determination of Heavy Metals in Antalya Soils by Laser Induced Breakdown Spectroscopy**
BAYRAK K., Önce M.
4th International Scientific Research Congress (UBAK), Yalova, Turkey, 14 - 17 February 2019, pp.177-0
- III. **Determination of Heavy Metals in Sarkoy Soils by Laser Induced Breakdown Spectroscopy**
BAYRAK K., Önce M., Yümün Z. Ü., Kam E.
4th International Scientific Research Congress (UBAK), Yalova, Turkey, 14 - 17 February 2019, pp.178-0
- IV. **ELEMENTAL EXAMINATION OF LIGHT AND HEAVY PUMICE SAMPLES WITH LIBS (LASER INDUCED BREAKDOWN SPECTROSCOPY) TECHNIQUE**
Kam E., BAYRAK K., Yalçın Z.
International Engineering and Natural Sciences Conference (IENSC), Diyarbakır, Turkey, 14 - 17 November 2018, pp.1
- V. **Investigation of Natural Gamma Dose Rates for Edirne, Istanbul**
BAYRAK K., Yümün Z. Ü., Aksoy H., Ayseli U.
BSW2018, Yozgat, Turkey, 8 - 10 August 2018
- VI. **Determination of Outdoor Gamma Dose Rates in Yalova (Turkey)**
Kam E., BAYRAK K., Çakar M.
BSW2018, Yozgat, Turkey, 8 - 10 August 2018
- VII. **Study of Gross Alpha and Gross Beta Activity Concentration in Sediments in the Büyükçekmece Lake Basin (İstanbul, Turkey)**
BAYRAK K., Şengül M., Kurt D.
TESNAT2018, Antalya, Turkey, 20 - 22 April 2018
- VIII. **Determination of Morphological Characteristics and Mineralojik Structure of the Kulakcayiri Sediments by SEM and XRD**
Açıkgöz G., Yümün Z. Ü., Kam E., BAYRAK K.
TESNAT2018, Antalya, Turkey, 20 - 22 April 2018
- IX. **Determination of Count Intensity and Elemental Weight Percentages of Sediments in the Altinova**

Shipyard Region (Yalova-Izmit Gulf) by SEM-EDX

BAYRAK K., Kam E., Yümün Z. Ü.

TESNAT2018, Antalya, Turkey, 20 - 22 April 2018

X. Outdoor Gamma Dose Rates in Bolu, West of Turkey

BAYRAK K., Ateş Z. N., Kam E.

2nd Radiation Protection Congress with International Participation, Ankara, Turkey, 23 - 25 November 2017

XI. Measurement of Natural and Artificial Radioactivity in Kulakçayırı Lake

BAYRAK K., Kam E., Yümün Z. Ü., Açıkgöz G.

2nd Radiation Protection Congress with International Participation, Ankara, Turkey, 23 - 25 November 2017

XII. Evaluation of Gross Alpha and Gross Beta Activity Concentration in Marine Sediments in the Altınova (Yalova/Turkey)

BAYRAK K., Kam E., Yümün Z. Ü.

ICFAS2017, Saraybosna, Bosnia And Herzegovina, 21 - 25 August 2017, pp.101

XIII. Investigation of Properties of Shielding Ability of Concrete Matrix Composite Material Reinforced With Colemanite Against Neutron Radiation

BAYRAK K., Tuna T., Kam E.

RAD2017, 12 - 16 June 2017, pp.267

XIV. Assessment of Gross Alpha and Gross Beta Radioactivity for Sediments in İzmir Province West of Turkey

BAYRAK K., Artun A., Karaalioğlu Z., Ateş Z. N., Şengül M.

INASE17, Atina, Greece, 9 - 11 April 2017, pp.85

Activities in Scientific Journals

International Journal of Natural Science, Assistant Editor/Section Editor, 2018 - Continues

Metrics

Publication: 23

Citation (Scopus): 1

H-Index (Scopus): 1

Scholarships

CETS2017, Official Institutions of Foreign Countries, 2017 - 2017