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Education Information

Doctorate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 2001 - 2011

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 1998 - 2001

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1998 - Continues

Courses

TEMEL FİZİK II, Undergraduate, 2018 - 2019

FİZİK, Associate Degree, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The calculation of self-shielding correction factors for large samples in ^{241}Am -Be isotopic neutron source**
Akkaya G.
Applied Radiation and Isotopes, vol.179, 2022 (SCI-Expanded)
- II. **CORRIGENDUM TO: ESTIMATION OF RADIOLOGICAL EXPOSURE LEVELS IN A MINING AREA BASED**

ON 238U, 226RA, 232TH AND 40K ACTIVITY MEASUREMENTS: A CASE STUDY FOR BEYLIKOVA-SIVRIHISAR COMPLEX ORE SITE IN TURKEY

Yücel H., Övüç S., AKKAYA G., ÇAKMAK Ş.

RADIATION PROTECTION DOSIMETRY, vol.192, no.4, pp.530, 2020 (SCI-Expanded)

- III. **Neutron self-shielding correction in application of k(0)-NAA standardization method to determine Mn content in manganese ores**
Akkaya G., Yücel H., Budak M. G.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.475, pp.1-7, 2020 (SCI-Expanded)
- IV. **ESTIMATION OF RADIOLOGICAL EXPOSURE LEVELS IN A MINING AREA BASED ON U-238, Ra-226, Th-232 and K-40 ACTIVITY MEASUREMENTS: A CASE STUDY FOR BEYLIKOVA-SIVRIHISAR COMPLEX ORE SITE IN TURKEY**
Yücel H., Ovuc S., Akkaya G., Cakmak S.
RADIATION PROTECTION DOSIMETRY, vol.190, no.3, pp.297-306, 2020 (SCI-Expanded)
- V. **The Investigation of Radionuclide Concentrations in Soil and Lifetime Cancer Risk Due to Gamma Radioactivity in Zonguldak, Turkey**
Koray A., Akkaya G., Kahraman A., Kaynak G., Baldik R.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.1122-1125, 2017 (SCI-Expanded)
- VI. **Variation in the radon concentrations and outdoor gamma radiation levels in relation to different geological formations in the thermal regions of Bursa, Turkey**
AKKAYA G., KAHRAMAN A., Koray A., Kaynak G.
JOURNAL OF RADIOLOGICAL PROTECTION, vol.36, no.3, pp.490-503, 2016 (SCI-Expanded)
- VII. **MEASUREMENTS OF RADON CONCENTRATIONS IN WATERS AND SOIL GAS OF ZONGULDAK, TURKEY**
Koray A., AKKAYA G., KAHRAMAN A., Kaynak G.
RADIATION PROTECTION DOSIMETRY, vol.162, no.3, pp.375-381, 2014 (SCI-Expanded)
- VIII. **Radioactivity measurements in epiphytic lichens of Uludag Mountain in Western Anatolia**
Kahraman A., Kaynak G., Akkaya G., Gürler O., Yalcun S.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.295, no.2, pp.1057-1066, 2013 (SCI-Expanded)
- IX. **The investigation of radionuclide distributions in soil samples collected from Bursa, Turkey**
Akkaya G., Kaynak G., Kahraman A., Gurler O.
RADIATION PROTECTION DOSIMETRY, vol.152, no.4, pp.376-383, 2012 (SCI-Expanded)
- X. **Evaluation of radon concentration in well and tap waters in Bursa, Turkey**
Tarım Ü., Gurler O., Akkaya G., Kilic N., Yalcin S., Kaynak G., Gundogdu O.
RADIATION PROTECTION DOSIMETRY, no.2, pp.207-212, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Thoron Anomaly in the Soil Gas: A Case Study From Büyükorhan, Bursa, Turkey**
Akkaya G.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.24, no.70, pp.157-164, 2022 (Peer-Reviewed Journal)
- II. **Determination of Manganese Content in Some Commercial Manganese Ores in Turkey k0-NAA Standardization Method Using 241Am-Be Isotopic Neutron Source**
Akkaya G., Yücel H., Budak M. G.
AIP CONFERENCE PROCEEDINGS, vol.2075, no.070005, pp.1-4, 2019 (Peer-Reviewed Journal)
- III. **Radon Concentration Measurements and Risk Assessments Around Uludağ Mountain (Bursa, Turkey)**
Kahraman A., Akkaya G., Kaynak Z. G.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.797-807, 2017 (Peer-Reviewed Journal)
- IV. **Correlation of Radon and Thoron Concentrations with Natural Radioactivity of Soil in Zonguldak,**

Turkey

Akkaya G., Koray A., Kahraman A.

AIP CONFERENCE PROCEEDINGS, vol.1815, no.060015, pp.1-4, 2017 (Scopus)

V. Mosses beta radioactivity in Katirli mountain-Bursa, Turkey

Kahraman A., Kaynak Z. G., Akkaya G., Gültekin A., Gürler O., Yalçın S.

AIP Conference Proceedings, vol.899, pp.737, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Beylikova Kompleks Cevher Sahasından Elde Edilen Numunelerde Radyoaktivite İçeriğinin Belirlenmesi ve NTE Madenciliğinde Olası Doz Seviyelerinin Tahmini**
YÜCEL H., ÖVÜÇ S., AKKAYA G., ÇAKMAK Ş.
1. Nadir Toprak Elementleri ve Toryum Çalıştayı, Eskişehir, Turkey, 11 - 12 June 2019
- II. **Determination of Manganese Content in Some Commercial Manganese Ores in Turkey k(0)-NAA Standardization Method Using Am-241-Be Isotopic Neutron**
Akkaya G., Yücel H., Budak M. G.
10th Jubilee Conference of the Balkan-Physical-Union (BPU), Sofija, Bulgaria, 26 - 30 August 2018, vol.2075
- III. **Correlation of Radon and Thoron Concentrations with Natural Radioactivity of Soil in Zonguldak, Turkey**
Koray A., AKKAYA G., KAHRAMAN A.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- IV. **Uludağ in bazı bölgelerindeki musluk ve yeraltı sularında yaz mevsimi radon gazı seviyelerinin jeolojik yapıya bağlı olarak incelenmesi**
KAHRAMAN A., AKKAYA G., KAYNAK Z. G.
3. Uluslararası su kongresi ve sergisi, 22 - 24 March 2013
- V. **Uludağ in Bazı Bölgelerindeki Musluk ve Yeraltı Sularında Yaz Mevsimi Radon Gazı Seviyelerinin Jeolojik Yapıya Bağlı Olarak İncelenmesi**
KAHRAMAN A., AKKAYA G., KAYNAK Z. G.
3. Uluslararası Bursa Su Kongresi ve Sergisi, Bursa, Turkey, 22 - 24 March 2013
- VI. **Büyükorhan Bursa Doğal Kaynak Sularının Yaz Mevsimi Radon Konsantrasyonlarının ve Doz Değerlerinin Araştırılması**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
3. Uluslararası Bursa Su Kongresi ve Sergisi, Bursa, Turkey, 22 - 24 March 2013
- VII. **Measurements of Radon Concentrations in Waters of Zonguldak Turkey**
KORAY A., AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
3. Uluslararası Bursa Su Kongresi ve Sergisi, Bursa, Turkey, 22 - 24 March 2013
- VIII. **RADON CONCENTRATIONS IN THERMAL WATERS IN BURSA PROVINCE AND THE ASSOCIATED HEALTH EFFECTS**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- IX. **ASSESSMENT OF GAMMA DOSE RATES IN BÜYÜKORHAN BURSA**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- X. **EVALUATION OF RADON CONCENTRATION IN GROUNDWATER DURING SPRING SEASON IN BÜYÜKORHAN TOWNSHIP OF BURSA PROVINCE**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- XI. **Evaluation of radon concentration in groundwater during spring season in Büyükorhan township of Bursa province**

- AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, Bodrum, Turkey, 5 - 08 September 2012
- XII. **Assesment of Gamma Dose Rates in Büyükorhan Bursa**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- XIII. **Radon Concentrations in Thermal Waters in Bursa Province and The Associated Health Effects**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- XIV. **Measurement of the radon concentrations in drinking water in Uludag during spring season**
KAHRAMAN A., AKKAYA G., KAYNAK Z. G.
Turkish Phycsis Society 29 th International Physics Congress, Bodrum, Turkey, 5 - 08 September 2012
- XV. **Assesment of Gamma Dose Rate Levels in Uludag Mountain**
KAHRAMAN A., AKKAYA G., KAYNAK Z. G.
Turkish Physical Society 29th International Physics Congress, 5 - 08 September 2012
- XVI. **Radiocarbon dating with low background counting system**
AKKAYA G., KAYNAK Z. G., GÜRLER O., YALÇIN S.
10th International Balkan Workshop on Applied Physics, 6 - 08 July 2009
- XVII. **An analytical solution for calculation of nucleons energy levels**
AKKAYA G., KAYNAK Z. G., GÜRLER O., YALÇIN S.
10th International Balkan Workshop on Applied Physics, 6 - 08 July 2009
- XVIII. **Application of Decomposition Techniques to measured spectra of ^{137}Cs**
AKKAYA G., KAHRAMAN A., KAYNAK Z. G., GÜRLER O., YALÇIN S.
10 th International Balkan Workshop on Applied Physics, Constanta, Romania, 6 - 08 July 2009
- XIX. **Mosses beta radioactivity in Katirh mountain Bursa TURKEY**
KAHRAMAN A., KAYNAK Z. G., AKKAYA G., GÜLTEKİN A., GÜRLER O., YALÇIN S.
CP899, Sixth International Conference of the Balkan Physical Union, 01 April 2007
- XX. **Çekirdek enerji seviyelerinin çeşitli potansiyel kuyuları için incelenmesi**
AKKAYA G., KAYNAK Z. G.
TFD-2000 Türk Fizik Derneği 19. Fizik Kongresi, Turkey, 26 - 29 September 2000

Supported Projects

Akkaya G., Yücel H., TUBITAK Project, "241Am-Be nötron kaynağı kullanarak $^{55}\text{Mn}(n, \gamma)^{56}\text{Mn}$ tepkimesi yardımıyla manganez cevherlerinin k α -NAA yöntemiyle incelenmesi ve silikon drift dedektörlü ED-XRF yöntemiyle karşılaştırılması, 2018 - 2019

Akkaya G., Kaynak G., Kahraman A., Project Supported by Higher Education Institutions, Bursa ili toprak numunelerinde radyonüklid dağılımının incelenmesi, 2010 - 2011

Metrics

Publication: 35

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