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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 $^{241}\text{Am}-\text{Be}$ 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

Tarim Ü., Gürler 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 Phycis 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 Katırh 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 $\text{k}^0\text{-NAA}$ 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
Citation (WoS): 87
Citation (Scopus): 87
H-Index (WoS): 5
H-Index (Scopus): 5