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## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Fizik, Turkey 1986 - 1992

Postgraduate, Karadeniz Technical University, Fenbilimleri, Fizik Bölümü, Turkey 1983 - 1986

Undergraduate, Karadeniz Technical University, Fen-Edebiyat, Fizik Bölümü, Turkey 1979 - 1982

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Etkileşen Bozon Yaklaşıklığının U ve Dy İzotoplarına Uygulamaları, Karadeniz Technical University, Fizik, Nükleer Fizik, 1992

## Research Areas

Physics, Nuclear physics, Nuclear Structure, Natural Sciences

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Fizik, 2008 - Continues

## Academic and Administrative Experience

Karadeniz Technical University, Fen Fakültesi, Fizik, 2013 - 2018

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

- I. **Gamma-ray absorbing characteristic of obsidian rocks as a potential material for radiation protection**  
Duran S. U., KÜÇÜKÖMEROĞLU B., Ciris A., ERSOY H.  
RADIATION PHYSICS AND CHEMISTRY, vol.199, 2022 (SCI-Expanded)
- II. **Gamma-ray absorbing characteristic of obsidian rocks as a potential material for radiation protection**  
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RADIATION PHYSICS AND CHEMISTRY, vol.199, pp.1-8, 2022 (SCI-Expanded)
- III. **Determination of radioactivity level of water supply network in Trabzon province, Turkey**  
Küçükömeroğlu B., Sen A., Duran S. U., Ciris A., Taskin H., Ersoy H.  
ISOTOPES IN ENVIRONMENTAL AND HEALTH STUDIES, vol.57, no.6, pp.610-622, 2021 (SCI-Expanded)
- IV. **Radioactivity measurements in spas of central and Eastern Black Sea region, Turkey**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., ÇEVİK U., ÇELİK N., TAŞKIN H., ERSOY H.  
INTERNATIONAL JOURNAL OF RADIATION RESEARCH, no.17, pp.383-391, 2019 (SCI-Expanded)
- V. **Radioactivity measurements in spas of central and Eastern Black Sea region, Turkey**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., ÇEVİK U., ÇELİK N., TAŞKIN H., ERSOY H.  
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- VI. **Radioactivity measurements in spas of central and Eastern Black Sea region, Turkey**  
Duran S., Küçükömeroğlu B., Çevik U., Celik N., Taskin H., Ersoy H.  
INTERNATIONAL JOURNAL OF RADIATION RESEARCH, vol.17, no.3, pp.383-391, 2019 (SCI-Expanded)
- VII. **Radioactivity measurements and risk assessments of spa waters in some areas in Turkey**  
DURAN S., KÜÇÜKÖMEROĞLU B., Damla N., TASKIN H., Celik N., ÇEVİK U., ERSOY H.  
ISOTOPES IN ENVIRONMENTAL AND HEALTH STUDIES, vol.53, no.1, pp.91-103, 2017 (SCI-Expanded)
- VIII. **Radiological maps in beach sands along some coastal regions of Turkey**  
KÜÇÜKÖMEROĞLU B., Karadeniz A., Damla N., Yesilkanat C. M., ÇEVİK U.  
MARINE POLLUTION BULLETIN, vol.112, pp.255-264, 2016 (SCI-Expanded)
- IX. **Indoor radon and gamma spectrometric measurements for the Erzincan Basin on North Anatolian Fault Zone, Turkey**  
KÜÇÜKÖMEROĞLU B., ÖZTÜRK E., Damla N., Celik N., DURAN S., ÇEVİK U., TASKIN H., ALBAYRAK N.  
INDOOR AND BUILT ENVIRONMENT, vol.25, no.5, pp.857-866, 2016 (SCI-Expanded)
- X. **A study of environmental radioactivity measurements in the Samsun province, Turkey**  
KÜÇÜKÖMEROĞLU B., MAKSUTOĞLU F., Damla N., ÇEVİK U., CELEBI N.  
RADIATION PROTECTION DOSIMETRY, vol.152, no.4, pp.369-375, 2012 (SCI-Expanded)
- XI. **Virtual point detector for HPGe detectors for 26.6-1332 keV photon energies by experiment and Monte Carlo simulation**  
Celik N., ÇEVİK U., KÜÇÜKÖMEROĞLU B.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.292, no.3, pp.1229-1235, 2012 (SCI-Expanded)
- XII. **Radon level and indoor gamma doses in dwellings of Trabzon, Turkey**  
KURNAZ A., KÜÇÜKÖMEROĞLU B., ÇEVİK U., CELEBI N.  
APPLIED RADIATION AND ISOTOPES, vol.69, no.10, pp.1554-1559, 2011 (SCI-Expanded)
- XIII. **Radiological characterisation of Artvin and Ardahan provinces of Turkey**  
KÜÇÜKÖMEROĞLU B., YEŞİLBAĞ Y. Ö., KURNAZ A., Celik N., ÇEVİK U., CELEBI N.  
RADIATION PROTECTION DOSIMETRY, vol.145, no.4, pp.389-394, 2011 (SCI-Expanded)
- XIV. **Radiological maps for Trabzon, Turkey**  
KURNAZ A., KÜÇÜKÖMEROĞLU B., Damla N., ÇEVİK U.  
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.102, no.4, pp.393-399, 2011 (SCI-Expanded)
- XV. **Environmental radioactivity assessment for Bayburt, Turkey**  
KÜÇÜKÖMEROĞLU B., KURNAZ A., Damla N., ÇEVİK U., CELEBI N., ATAKSOR B., TASKIN H.  
JOURNAL OF RADIOLOGICAL PROTECTION, vol.29, no.3, pp.417-428, 2009 (SCI-Expanded)
- XVI. **Determination of indoor radon and soil radioactivity levels in Giresun, Turkey**  
CELİK N., ÇEVİK U., Celik A., KÜÇÜKÖMEROĞLU B.

- JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.99, no.8, pp.1349-1354, 2008 (SCI-Expanded)
- XVII. **The structure of U232-238, Th228-232, Pu238-242, nuclei in the interacting boson approximation model**  
Kucukomeroglu B., DIRIM H.  
SPECTROSCOPY LETTERS, vol.30, no.3, pp.535-543, 1997 (SCI-Expanded)
- XVIII. **THE INTERACTING BOSON APPROXIMATION MODEL OF THE DEFORMED-NUCLEI DY-158-162, W-182-186, AND GD-158**  
KUCUKOMEROGLU B., DIRIM H.  
SPECTROSCOPY LETTERS, vol.28, no.1, pp.89-100, 1995 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Gamma Ray Shielding Properties and Natural Radioactivity of Some Rocks of Trabzon District, Turkiye**  
Gümrükçüoğlu N., Uzun Duran S., Bayram T., Küçükömeroğlu B., Yılmaz A. H.  
EGYPTIAN JOURNAL OF SOIL SCIENCE, no.3, pp.381-390, 2023 (ESCI)
- II. **Fatsa-Sarmaşık Kaplıcasında Radon Konsantrasyonunun Belirlenmesi (Ordu İli)**  
Uzun Duran S., Küçükömeroğlu B., Taşkın H.  
BİLTİS EREN ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.9, no.3, pp.1145-1152, 2020 (Peer-Reviewed Journal)
- III. **Karadeniz Teknik Üniversitesi Kanuni Kampüsü'nde Bazı Ofislerde Radon Gazı Ölçümü ve Çevrelerindeki Topraklarda Radyonüklid Seviyeleri**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.68-77, 2020 (Peer-Reviewed Journal)
- IV. **Andon Bölgesi'nden Alınan Toprak ve İçme Suyu Örneklerinde Radyoaktivite Düzeyleri (Rize İli, Türkiye)**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., ÇİRİŞ A., ÇELİK N.  
Karadeniz Fen Bilimleri Dergisi, vol.9, no.2, pp.253-263, 2019 (Peer-Reviewed Journal)
- V. **Radioactivity Levels in Soil And Drinking Water Samples Collected from Andon Region (Rize Province, Turkey)**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., ÇİRİŞ A., Çelik N.  
Karadeniz Fen Bilimleri Dergisi, vol.9, no.2, pp.253-263, 2019 (Peer-Reviewed Journal)
- VI. **Indoor Radon (222-Rn) Concentrations Measurements in Dwellings of the Erzincan Province, Turkey**  
KÜÇÜKÖMEROĞLU B.  
Azerbaijan Journal of Physics - Fizika, vol.16, no.2, pp.527-529, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Radyasyon ve Radyasyondan Korunma Fiziği**  
KÜÇÜKÖMEROĞLU B.  
Palme Yayın Dağıtım, Ankara, 2013
- II. **Nükleer Fizik Problem Çözümleri**  
KÜÇÜKÖMEROĞLU B.  
Palme, Ankara, 2001
- III. **Nükleer Fizik 1.Cilt**  
KÜÇÜKÖMEROĞLU B.  
Palme Yayın Dağıtım, Ankara, 2001
- IV. **Nükleer Fizik Cilt-2**  
KÜÇÜKÖMEROĞLU B.  
Palme, Ankara, 2001

## Refereed Congress / Symposium Publications in Proceedings

- I. **Indoor air radon concentrations of the spas in the Samsun of Turkey**  
KÜÇÜKÖMEROĞLU B.  
Turkish Physical Society, 27th International Physical Congress, r 2010, İstanbul-Turkey,, İstanbul, Turkey, pp.1
- II. **Determinaton of Trabzon in Drinking Water Network and Around the Radioactivity Levels**  
Şen A., KÜÇÜKÖMEROĞLU B., UZUN DURAN S., ÇİRİŞ A., Taşkın H.  
Turkish Physical Society 34TH International Physics Congress, 5 - 09 October 2018
- III. **RADON CONCENTRATION MEASUREMENTS IN OFFICES AT KARADENİZ TECHNICAL UNIVERSTY CAMPUS IN TRABZON CITY**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B.  
XI. International Conference on Nuclear Structure Properties, Trabzon, Turkey, 12 - 15 September 2018, pp.1
- IV. **Development of Phosphor Composit Materials Using Friction Stir Processing**  
KÜÇÜKÖMEROĞLU B., KÜÇÜKÖMEROĞLU T., DURUKAN GÜLTEPE M., EGE A.  
11th International Conference on Luminescence and ESR Dosimetry, Gaziantep, Turkey, 5 - 07 September 2018, pp.31
- V. **Determination of Trabzon in Drinking Water Network and Around the Radioactivity Levels**  
ŞEN A., KÜÇÜKÖMEROĞLU B., UZUN DURAN S., ÇİRİŞ A., TAŞKIN H.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.1
- VI. **RADON CONCENTRATIONS IN DRINKING WATERS OF TRABZON PROVINCE, TURKEY**  
KÜÇÜKÖMEROĞLU B., UZUN DURAN S., şen a., çiriş a., taşkın h., ÇEVİK U.  
RAD 2018, 18 - 22 June 2018
- VII. **Radon Concentrations in Drinking Waters of Trabzon Province, Turkey**  
KÜÇÜKÖMEROĞLU B., UZUN DURAN S., Şen A., ÇİRİŞ A., Taşkın H., ÇEVİK U.  
International Conference on Radiation and Applications in Various Fields of Research, 18 - 22 June 2018
- VIII. **Monte Carlo determination of the effect of dead-layer thickness of a coaxial HPGE detector on full energy peak efficiency**  
ÇELİK N., ÇEVİK U., KÜÇÜKÖMEROĞLU B., DAMLA N.  
FİFTH İNTERNATİONAL CONFERERENGE, on radiation applications in various field on research, 12 - 16 June 2017
- IX. **İnvestigations of radioactivity levels in soils and drinking waters of Andon region (rize city, Turkey)**  
KÜÇÜKÖMEROĞLU B., Duran S., DAMLA N., ÇELİK N.  
FİFTH İNTERNATİONAL CONFERERENGE, on radiation applications in various field on research, 12 - 16 June 2017
- X. **Investigation of Radioactivity Levels in soils and Drinking Water of Andon Region (Rize City, TURKEY)**  
KÜÇÜKÖMEROĞLU B., UZUN DURAN S., DAMLA N., ÇELİK N.  
rad-2017, 12 - 16 June 2017, pp.397
- XI. **Fatsa İlıca Kaplıcalarında Radon Konsantrasyonunun Belirlenmesi**  
Duran S., KÜÇÜKÖMEROĞLU B., DAMLA N., Taşkın H., Şen A.  
X1.Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, 12 - 14 October 2016
- XII. **Fatsa İlıca Kaplıcalarında Radon Konsantrasyonunun Belirlenmesi**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., DAMLA N., TAŞKIN H., ŞEN A.  
XI. Ulusal Nükleer Bilimler Kongresi, Muğla, Turkey, 12 - 14 October 2016, pp.1
- XIII. **Thermoluminescence Properties of Natural Calcite Minerals in Çal Cave**  
Daştan V., KÜÇÜKÖMEROĞLU B., Ege A.  
Lumidoz-10, 5 - 07 September 2016
- XIV. **Determination Of Gross Alpha And Beta Activity Concentrations In Drinking Waters In Trabzon Turkey**  
ŞEN A., TAŞKIN H., UZUN DURAN S., DAMLA N., KÜÇÜKÖMEROĞLU B.  
TFD-32, Muğla, Turkey, 06 September 2016, pp.1
- XV. **Assessment of Gross Alpha and Beta Activity in Drinking Waters of Trabzon Turkey**  
Şen A., Taşkın H., Duran S., KÜÇÜKÖMEROĞLU B., Daştan V., DAMLA N.

Turkish Physical Society 32nd International Physics Congress, 6 September - 09 June 2016

- XVI. **Doğu Karadeniz Bölgesindeki Kaplıcaların Havaında ve Sularında Aktif Ve Pasif Radon Ölçümleri**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., TAŞKIN H., DAMLA N., ÇELİK N., ALBAYRAK N.  
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.1
- XVII. **Gross alpha and beta activity in spa waters in Samsun and Rize City**  
KÜÇÜKÖMEROĞLU B.  
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 05 September 2012 - 08 September 2011, pp.3-6
- XVIII. **Evaluation of Radon Concentration in spa waters in Samsun and Rize City**  
KÜÇÜKÖMEROĞLU B.  
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012, pp.1-4
- XIX. **Evaluation of Radon Concentration in Spa Waters in Samsun and Rize city, Turkey**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., DAMLA N., TAŞKIN H.  
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012, pp.1
- XX. **Gross Alpha and Beta Activity in Spa Waters in Samsun and Rize City, Turkey**  
UZUN DURAN S., TAŞKIN H., KÜÇÜKÖMEROĞLU B., DAMLA N.  
Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012, pp.1
- XXI. **Indoor Radon Concentrations of the Spas in Rize, Turkey**  
UZUN DURAN S., KÜÇÜKÖMEROĞLU B., DAMLA N., ALBAYRAK N., ATAKSOR B.  
Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, pp.1
- XXII. **Indoor radon concentrations of the sapas in Rize, Turkey**  
KÜÇÜKÖMEROĞLU B.  
. Turkish Physical Society 28th International Physics Congress, 6-9 September 2011, Muğla, Turkey, 6 - 09 September 2011, pp.4-6
- XXIII. **Indoor air radon concentrations of the spas in the Samsun of Turkey**  
KÜÇÜKÖMEROĞLU B.  
27th International Physical Congress, İstanbul, Turkey, 14 - 17 September 2010, pp.3-5
- XXIV. **Indoor Air Radon Concentrations of the Spas in the Samsun of Turkey**  
UZUN DURAN S., ÇELİK N., KÜÇÜKÖMEROĞLU B., DAMLA N.  
Türk Fizik Derneği 27. Uluslararası Fizik Kongresi,, İstanbul, Turkey, 14 - 17 September 2010, pp.1
- XXV. **Indoor Radon Concentration Measurements in Samsun**  
KÜÇÜKÖMEROĞLU B.  
26. International Physics Congress, Muğla, Turkey, 24 - 27 September 2009, pp.10-12
- XXVI. **Seasonal Variation of Indoor Radon Levels in Trabzon**  
KÜÇÜKÖMEROĞLU B.  
26. International Physics Congress, Muğla, Turkey, 24 - 27 September 2009, pp.5-8
- XXVII. **Seasonal Variation of Indoor Radon in Dwellings of Ardahan-Turkey**  
KÜÇÜKÖMEROĞLU B.  
26. International Physics Congress, Muğla, Turkey, 24 - 27 September 2009, pp.14-16
- XXVIII. **Indoor And Outdoor Gamma Dose Measurements For Specific Counties of Trabzon**  
KURNAZ A., KÜÇÜKÖMEROĞLU B., Okumuşoğlu N. T., YEŞİLBAĞ Y. Ö.  
7th International Conference of the Balkan-Physical-Union, Alexandroupoli, Greece, 9 - 13 September 2009
- XXIX. **Indoor and Outdoor Gamma Dose Measurements for Specific Counties of Trabzon-Turkey**  
KÜÇÜKÖMEROĞLU B.  
7th General Conference of the Balkan Physical Union, Athens, Greece, 9 - 13 September 2009, pp.8-12
- XXX. **Seasonal Variation of Indoor Radon in Artvin-Turkey**  
KÜÇÜKÖMEROĞLU B.  
7th General Conference of the Balkan Physical Union, Athens, Greece, 9 - 13 September 2009, pp.4-6
- XXXI. **Seasonal Indoor Radon Measurements in Artvin-Turkey**  
KÜÇÜKÖMEROĞLU B.  
25. International Physics Congress, Muğla, Turkey, 25 - 29 August 2009, pp.8-10

- XXXII. **Indoor And Outdoor Gamma Dose Measurements For Specific Counties of Trabzon-Turkey**  
KURNAZ A., KÜÇÜKÖMEROĞLU B., OKUMUSOĞLU N. T., YEŞİLBAĞ Y. Ö.  
7th International Conference of the Balkan-Physical-Union, Alexandroupoli, Greece, 9 - 13 September 2009,  
vol.1203, pp.379-380
- XXXIII. **Radon survey in dwellings of Ardahan, Turkey**  
KÜÇÜKÖMEROĞLU B.  
. 25th International Physics Congress, Turkish Physical Society, Muğla, Turkey, 25 - 29 August 2008, pp.8-10
- XXXIV. **Assessment of Background Radioactivity for Specific Counties of Trabzon-Turkey**  
KÜÇÜKÖMEROĞLU B.  
25. International Physics Congress, Bodrum/Muğla, Muğla, Turkey, 25 - 29 August 2008, pp.4-6
- XXXV. **Indoor Radon Concentration Measurement in Samsun**  
KÜÇÜKÖMEROĞLU B.  
25. International Physics Congress, Muğla, Turkey, 25 - 29 August 2008, pp.5-7
- XXXVI. **Indoor Radon Measurement in the province of Batman**  
KÜÇÜKÖMEROĞLU B.  
Turkish Physical Society, Muğla, Turkey, 25 - 29 August 2008, pp.9-12
- XXXVII. **Radon Survey in Dwellings of Ardahan, Turkey**  
KÜÇÜKÖMEROĞLU B.  
25. International Physics Congress, Bodrum/Muğla, Muğla, Turkey, 25 - 29 August 2008, pp.14-16
- XXXVIII. **Indoor Radon (<sup>222</sup>Rn) Measurements and Influencing Factors in a Specific Location of Turkey**  
KÜÇÜKÖMEROĞLU B.  
25. International Physics Congress, Muğla, Turkey, 25 - 29 August 2008, pp.1-3
- XXXIX. **Determination of interaction depth of gamma - rays in a HPGe detector**  
KÜÇÜKÖMEROĞLU B.  
, 25th International Physical Congress, Muğla, Turkey, 25 - 29 August 2008, pp.1-2
- XL. **Assessment Of Background Radioactivity for Specific Counties Of Trabzon-Turkey**  
KÜÇÜKÖMEROĞLU B.  
Turkish Physical Society, 25th International Physical Congress, Muğla, Turkey, 25 - 29 August 2008, pp.3-5
- XLI. **Radon Level in Dwellings of Trabzon-Turkey**  
KÜÇÜKÖMEROĞLU B.  
24. International Physics Congress, Muğla, Turkey, 28 - 31 August 2007, pp.16-18
- XLII. **Artificial and Natural Radioactivity Levels in Waters, Soils and Sediments of Fırtına Valley, Turkey**  
KÜÇÜKÖMEROĞLU B.  
, 6. International Balkan Physics Congress, İstanbul, Turkey, 22 - 26 August 2006, pp.25-27
- XLIII. **Determination of Natural Radioactivity Levels at Fırtına Valley and Its Surrounding**  
KÜÇÜKÖMEROĞLU B.  
23. International Physics Congress, Muğla, Turkey, 13 - 16 September 2005, pp.40-42
- XLIV. **Fırtına Vadisinin Doğal Radyoaktivite Özelliklerinin Belirlenmesi Üzerine Bir Çalışma**  
KESER R., KURNAZ A., Korkmaz F., Karahan G., KÜÇÜKÖMEROĞLU B., Nazmi Turan O.  
22.Ulusal Fizik Kongresi, Muğla, Turkey, 14 - 17 September 2004
- XLV. **Cd 100 106 İzotoplarının IBM 2 ile İncelenmesi**  
YILMAZ A. H., KÜÇÜKÖMEROĞLU B.  
17.Ulusal Fizik Kongresi, Alanya, Turkey, 27 - 31 October 1998
- XLVI. **Etkileşen Bozon Yaklaşıklığının Dy 66 İzotoplarına Uygulanması**  
KÜÇÜKÖMEROĞLU B., Dirim H.  
TFD-14. Ulusal Fizik Kongresi, Lefkoşa, Cyprus (Kktc), 25 - 27 October 1993

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