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## Learning Knowledge

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Doctorate  
2014 - 2022

Kocaeli University, Fen Bilimleri Enstitüsü, Turkey

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Doctorate  
2012 - 2016

Ege University, Fen Bilimleri Enstitüsü, Turkey

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Postgraduate  
2001 - 2004

Istanbul Technical University, Enerji Enstitüsü, Turkey

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Undergraduate  
1996 - 2000

Marmara University, Atatürk Faculty Of Education, Mathematics And Science  
Education, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Farklı biyomedikal görüntüleme sistemlerinde radyasyon doz çalışması, Kocaeli University, Fen Bilimleri Enstitüsü, 2022

Doctorate, Batı Marmara bölgesinde toprak gazı radon konsantrasyon değişimleri ile yer kabuğu hareketleri arasındaki ilişkilerin incelenmesi, Ege University, 2016

Postgraduate, Gözenekli bir düşey kanalda birleşik taşınım ile ısı geçişi akışının sayısal incelenmesi, İstanbul Technical University, Enerji Enstitüsü, 2004

## Academic Titles / Tasks

Associate Professor 2021 - Continues	Yıldız Technical University, Faculty Of Electrical & Electronics, Biomedical Engineering
Associate Professor 2020 - 2021	Istanbul Okan University, Vocational School Of Health Services
Assistant Professor 2013 - 2020	Istanbul Okan University, Vocational School Of Health Services

## Supported Projects

- GÜNAY O., ERSOY Ş., CANTÜRK İ., SERBES G., Project Supported by Higher Education Institutions, Kuzey Anadolu Fay Hattının İstanbulAvçılar Segmenti Civarında Radon Gaz Konsantrasyonları ile Sismik Aktiviteler Arasındaki İlişkinin Yapay Zeka İle Belirlenmesi, 2023 - Continues
- GÜNAY O., YETKİN T., CANTÜRK İ., KEKEÇ E. İ., Project Supported by Higher Education Institutions, Skopi görüntülemeye maruz kaldığı kritik radyasyon doz süresinin belirlenmesi, 2023 - Continues
- Günay O., İçhedef M., Cantürk İ., Akkurt İ., Ersoy Ş., Yalçın C., Saç M., Taşköprü C., TUBITAK Project, Kuzey Anadolu Fay Zonunun İstanbul-Adalar Segmentindeki Anadolu ve Avrasya Levhalarında Radon Gaz Konsantrasyonları ile Sismik Aktiviteler Arasındaki İlişkinin Yapay Zeka ile Modellenmesi, 2023 - 2026
- Günay O., Sayın S. E., TUBITAK Project, Engelli Bireylerin HayatınıKolaylaştıracak EMG Kontrollü Biyonik Kol, 2024 - 2024
- Günay O., Sobayapan H. S., Sorkun N. B., Sura B. A., Demirel M. E., TUBITAK Project, Tüm Abdominal BTGörüntülemeye Böbreklerin ve Karaciğerin Maruz Kaldığı Radyasyon Doz Seviyesinin Ölçülmesi, 2024 - 2024
- Günay O., Celep Ş. G., Atağ S., TUBITAK Project, Bilgisayarlı Tomografi (BT)Görüntülemeye Hipofiz, Sağ temporal skuamöz, Sol temporal skuamöz ve Anterior Bölgelerinin MaruzKaldığı Radyasyon Dozunun Belirlenmesi, 2024 - 2024
- Günay O., Gendihal E., Destek S., TUBITAK Project, Balıkesir-İlçaboğazKaplıcalarında Radon Gaz Konsantrasyonlarının Belirlenmesi, 2024 - 2024
- Günay O., Vural M., Kabaca A., TUBITAK Project, Bilgisayarlı Tomografi BeyinGörüntülemeye Parotis ve Spinal Cord(C1-C2) Bölgelerinin Maruz Kaldığı Radyasyon Doz DüzeylerininBelirlenmesi, 2024 - 2024
- GÜNAY O., YAZICI S. D., Project Supported by Higher Education Institutions, Ckollu Skopi Görüntülemeye Oral Mukozanın Maruz Kaldığı Radyasyon Doz Seviyesinin Belirlenmesi, 2024 - 2024
- Günay O., Tekeş B. N., Ankara A. C., TUBITAK Project, Sonoscope : Sesli İletisimi Destekleyen Kameralı Gözlük ve Isıtma Cihazının Birleşimi - Görme Engelli Bireyler İçin Yeni Nesil Algılama ve İletisim Teknolojisi (1919B012309631), 2023 - 2024
- Günay O., Abuş F. N., Gürçalar A., TUBITAK Project, Skopi Görüntülemeye Lenslerin Maruz Kaldığı Radyasyon Dozunun Belirlenmesi (1919B012303411), 2023 - 2024
- Günay O., Kayaoğlu A. S., TUBITAK Project, Depresyon tahmin ve analiz modelinin termal resimler kullanılarak CNN yapıları ile oluşturulması (1919B012304191), 2023 - 2024
- Günay O., Özlen M. S., Yazıcı S. D., Cuma A. B., TUBITAK Project, C-kollu Skopi Görüntülemeye Tiroidin Maruz Kaldığı Radyasyon Dozunun Belirlenmesi (1919B012303930), 2023 - 2024
- GÜNAY O., YETKİN T., Project Supported by Higher Education Institutions, Çernobil Nükleer Kazasının 36 Yılında

Marmara Bölgesindeki Bazı Toprak Örneklerinde Yapay ve Doğal Radyasyon Doz Seviyesinin Belirlenmesi, 2023 - 2024

15. Günay O., Yalçın C., TUBITAK Project, Kahramanmaraş Depremleri Sonrası Radon Gaz Konsantrasyonları Ve Difüzyon Katsayısının Belirlenmesi (123F190), 2023 - 2023
16. GÜNAY O., ÖZDEL S. E., Project Supported by Higher Education Institutions, Kişiyi Özel Brakiterapi Aplikatörü Tasarımı ve Üretimi, 2023 - 2023
17. Günay O., Yalçın C., TUBITAK Project, Deprem sonrası radon gaz konsantrasyonlarının belirlenmesi, 2023 - 2023
18. Saç M. M., İçhedef M., Taşköprü C., Günay O., Project Supported by Higher Education Institutions, Batı Marmara Bölgesi Radon Emisyon Değişimleri İle Yer Kabuğu Hareketleri Arasındaki İlişkilerin İncelenmesi, 2014 - 2017

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

1. **Natural and artificial radioactivity levels and external radiation dose levels of sand samples collected from Lara Beach, Antalya, Türkiye**  
Taşköprü C., Özden S., GÜNAY O., Aközcan Pehlivanoğlu S., Saç M., İçhedef M.  
Journal of Radioanalytical and Nuclear Chemistry, vol.333, no.11, pp.5791-5797, 2024 (SCI-Expanded)
2. **Radiation exposure to patients undergoing percutaneous transhepatic cholangiography and endoscopic retrograde cholangiography: an advanced phantom study**  
Tunçman D., Özgür E., Nayci A. E., Günay O., Kesmezacar F. F., Karaçam S., Üzüm G., Demir M., Akkuş B., Elshami W., et al.  
RADIATION PROTECTION DOSIMETRY, vol.184, pp.1-8, 2024 (SCI-Expanded)
3. **In-depth exploration of the radiation exposure to staff performing endoscopic retrograde cholangiopancreatography procedures (ERCP) through RANDO phantom and TLDs**  
KESMEZACAR F. F., TUNÇMAN D., Nayci A. E., GÜNAY O., YEYİN N., Üzüm G., DEMİR M., AKKUŞ B., Elshami W., Almisned G., et al.  
Japanese Journal of Radiology, vol.42, no.9, pp.1058-1066, 2024 (SCI-Expanded)
4. **The current status of natural and artificial radiation in İstanbul 36 years after chernobyl, preceding a potential nuclear threat**  
GÜNAY O., Özden S., Aközcan Pehlivanoğlu S.  
Journal of Radioanalytical and Nuclear Chemistry, vol.333, no.8, pp.3819-3831, 2024 (SCI-Expanded)
5. **37 years after the chernobyl: the current radiation status in Kocaeli, Turkey**  
Günay O., Yalçın C., Güray R. T., Karakurt D. A., Tantoğlu E., Başdemir S.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.1, pp.1-7, 2024 (SCI-Expanded)
6. **Temporal assessment of radiation exposure to uterus and ovaries in simulated scopy during hip fracture repair: A phantom study**  
Günay O., Cantürk İ., Kekeç E., Aksoy S. H.  
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.17, no.3, pp.1-7, 2024 (SCI-Expanded)
7. **Investigation of Scalograms with a Deep Feature Fusion Approach for Detection of Parkinson's Disease**  
Cantürk İ., Günay O.  
COGNITIVE COMPUTATION, no.2024, pp.1-12, 2024 (SCI-Expanded)
8. **Assessment of natural radioactivity and radiological impacts in several beaches of Kadikoy, Istanbul**  
GÜNAY O.  
Journal of Radioanalytical and Nuclear Chemistry, vol.333, no.1, pp.223-234, 2024 (SCI-Expanded)
9. **Hepatopulmonary Shunt Ratio Verification Model for Transarterial Radioembolization**  
YEYİN N., KESMEZACAR F. F., TUNÇMAN D., DEMİR Ö., Uslu-Beşli L., GÜNAY O., DEMİR M.  
Current Radiopharmaceuticals, vol.17, no.3, pp.276-284, 2024 (SCI-Expanded)
10. **<sup>137</sup>Cs in Soils from İstanbul (Turkey) Sampled 35 Years After Chernobyl**  
Özden S., Aközcan S., GÜNAY O.  
Environmental Forensics, vol.25, no.3, pp.165-171, 2024 (SCI-Expanded)

11. **Radioactivity levels and radiological risk assessment in west Antalya beach sands**  
YALÇIN C., GÜNAY O., GÜRAY R. T.  
Journal of Radioanalytical and Nuclear Chemistry, 2024 (SCI-Expanded)
12. **Measurement of soil radon concentration in Balıkesir and examination of its effects on health**  
Celen Y. Y., Gunay O., Oncul S., Narin B.  
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.16, no.4, pp.1-7, 2023 (SCI-Expanded)
13. **Measuring radon concentration and investigation of its effects on lung cancer**  
Celen Y. Y., Oncul S., Narin B., Günay O.  
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.16, no.4, pp.1-7, 2023 (SCI-Expanded)
14. **Evaluation of natural radioactivity in soils of Konya (Turkey) and estimation of radiological health hazards**  
Özden S., Pehlivanoglu S. A., GÜNAY O.  
Environmental Monitoring and Assessment, vol.195, no.12, 2023 (SCI-Expanded)
15. **Assessing the Topsoil Contamination of Cesium-137 Environmental Fallout in Konya, Turkey: Spatial Distribution and Analysis**  
Günay O., Özden S., Pehlivanoglu S. A.  
WATER, AIR AND SOIL POLLUTION : AN INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION, vol.234, pp.763, 2023 (SCI-Expanded)
16. **Natural radioactivity and radiological damage parameters for soil samples from Cekmekoy-Istanbul**  
AKKURT İ., Gunoglu K., GÜNAY O., Sarihan M.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.1, 2022 (SCI-Expanded)
17. **Radiological risk from activity concentrations of natural radionuclides: Cumulative Hazard Index**  
Akozcan S., Kulahci F., Gunay O., Ozden S.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.327, no.1, pp.105-122, 2021 (SCI-Expanded)
18. **Monte Carlo simulations and forecasting of Radium-226, Thorium-232, and Potassium-40 radioactivity concentrations**  
Kulahci F., Akozcan S., Gunay O.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.324, no.1, pp.55-70, 2020 (SCI-Expanded)
19. **Measurement of Radiation Dose in Thyroid Scintigraphy**  
Gunay O., Sarihan M., Yazar O., AKKURT İ., Demir M.  
ACTA PHYSICA POLONICA A, vol.137, no.4, pp.569-573, 2020 (SCI-Expanded)
20. **Determination of Environmental Noise Contamination**  
Gunay O., Yazar O., Sarihan M.  
ACTA PHYSICA POLONICA A, vol.137, no.4, pp.574-578, 2020 (SCI-Expanded)
21. **Determination of terrestrial radiation level and radiological parameters of soil samples from Sariyer-Istanbul in Turkey**  
Gunay O., EKE C.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.20, 2019 (SCI-Expanded)
22. **Natural radioactivity analysis of soil samples from Ganos fault (GF)**  
Gunay O., SAÇ M. M., İÇHEDEF M., TAŞKÖPRÜ C.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5055-5058, 2019 (SCI-Expanded)
23. **Determination of indoor radon levels at campuses of uskudar and Okan Universities**  
Kulali F., Gunay O., Akozcan S.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5281-5284, 2019 (SCI-Expanded)
24. **Noise pollution level in a pediatric hospital**  
Yazar O., Temizsoy E., Gunay O.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5107-5112, 2019 (SCI-Expanded)
25. **Determination of radiation dose from patients undergoing Tc-99m Sestamibi nuclear cardiac imaging**

Gunay O., Sarihan M., Yazar O., Abuqbeith M., Demir M., SÖNMEZOĞLU K., Abamor E., Kara O. E., Isikci N. I., Akozcan S., et al.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5251-5258, 2019 (SCI-Expanded)

26. **Environmental radiation dose rate arising from patients of PET/CT**

Gunay O., Abamor E.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5177-5184, 2019 (SCI-Expanded)

27. **Measurement of indoor radon concentration and annual effective dose estimation for a university campus in Istanbul**

Gunay O., Akozcan S., Kulali F.

ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.5, 2019 (SCI-Expanded)

28. **Assessment of lifetime cancer risk from natural radioactivity levels in Kadikoy and Uskudar District of Istanbul**

Gunay O.

ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.24, 2018 (SCI-Expanded)

29. **Soil gas radon concentrations along the Ganos Fault (GF)**

Gunay O., SAÇ M. M., İÇHEDEF M., TAŞKÖPRÜ C.

ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.9, 2018 (SCI-Expanded)

## Articles Published in Other Journals

1. **Evaluation of Radiation Exposure of the Oral Cavity in C-Arm Fluoroscopy: A Dose Analysis**

Yazici S. D., GÜNAY O., TUNÇMAN D., KESMEZACAR F. F., YEYİN N., Aksoy S. H., DEMİR M., Çavdar Karaçam S.

International Journal of Computational and Experimental Science and Engineering, vol.10, no.2, pp.181-188, 2024 (Scopus)

2. **Radiation Dose Levels in Submandibular and Sublingual Gland Regions during C-Arm Scopy**

Kayahan S. H., Kutu N., GÜNAY O.

International Journal of Computational and Experimental Science and Engineering, vol.10, no.2, pp.168-173, 2024 (Scopus)

3. **Determining the Radiation Dose Levels the Kidney is Exposed to in Kidney Stone Fragmentation Procedures**

ŞENGÜL A., GÜNAY O., Kekeç E., Zengin T., TUNÇMAN D., KESMEZACAR F. F., Yeğın N., DEMİR Ö., Aksoy S. H.

International Journal of Computational and Experimental Science and Engineering, vol.10, no.1, pp.79-84, 2024 (Scopus)

4. **Thermoluminescence Dosimeters Holder Cassette Design and 3D Printing**

TUNÇMAN D., KESMEZACAR F. F., GÜNAY O., YEYİN N., DEMİR Ö., DEMİR M., AKKUŞ B.

International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, pp.320-324, 2023 (Scopus)

5. **Personalized Intraoperative Radiotherapy Balloon Applicator Design and Production With 3D Printer**

Yüzer Ö., Özer B., ÖZDEL S. E., GÜNAY O.

International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, pp.205-212, 2023 (Scopus)

6. **Dose Calibrator Measurements in the Case of Voltage Fluctuations**

GÜNAY O., altıntaş i. n., DEMİR M., YEYİN N.

International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, pp.161-164, 2023 (Scopus)

7. **Classification of Meningioma, Glioma and Pituitary Tumors with Tensorflow**

Bacak A., şenel m., GÜNAY O.

International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, pp.197-204, 2023 (Scopus)

8. **Determination of the Radiation Dose Level Emitted to the Environment in Patients Undergoing Dacryo Scintigraphy**  
SARIHAN M., GÜNAY O., YARAR O., DEMİR M.  
Avrupa Bilim ve Teknoloji Dergisi, 2022 (Peer-Reviewed Journal)
9. **Bilgisayarlı Tomografi Çekimlerinde Lens Tiroid ve Oral Mukoza Absorbe Radyasyon Doz Düzeylerinin Belirlenmesi: Fantom Çalışması**  
Günay O., GÜNDOĞDU Ö., DEMİR M., TİMLİOĞLU İPER H. S., KURU İ., YAŞAR D., AKÖZCAN S., YARAR O.  
Kocaeli Üniversitesi Sağlık Bilimleri Dergisi, pp.23-27, 2020
10. **Bilgisayarlı Tomografi Çekimlerinde Hastanın Yakın Çevresinde Radyasyon Dozu Ölçümleri**  
Günay O., Demir M.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, pp.792-796, 2019
11. **Determination of the Radiation Dose Level in Different Slice Computerized Tomography**  
GÜNAY O., GÜNDOĞDU Ö., DEMİR M., ABUQBEİTAH M., YAŞAR D., AKÖZCAN S., KAPDAN E., YARAR O.  
International Journal of Computational and Experimental Science and Engineering, vol.5, no.3, pp.119-123, 2019
12. **Environmental Radiation Doses from Patients Undergoing Tc-99m DMSA Cortical Renal Scintigraphy**  
GÜNAY O., SARIHAN M., ABAMOR E., YARAR O.  
International Journal of Computational and Experimental Science and Engineering, vol.5, no.2, pp.86-93, 2019
13. **İSTANBUL-SARIYER İLÇESİNDEKİ BAZI TOPRAK ÖRNEKLERİNDE CS-137 KONSANTRASYONUNUN BELİRLENMESİ**  
Günay O., EKE C.  
Kırklareli Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, pp.29-39, 2019
14. **Bilgisayarlı tomografilerde hastanın aldığı efektif radyasyon dozunun belirlenmesi**  
KURU, L. İ., GÜNAY O., PALACI H., YARAR O.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, pp.436-443, 2019
15. **İyonize Radyasyon ile Çalışan Tıbbi Görüntüleme Cihazlarının Yapısının Proje Temelli Öğrenimi**  
GÜNAY O., ÖZTÜRK H., YARAR O.  
Journal of Health Services and Education, vol.3, no.1, pp.20-27, 2019
16. **Erratum: Comparison between planar, SPECT and SPECT/computed tomography systems in 99mTc-nanocolloid sentinel lymph node imaging: Phantom design and clinical investigations (Nuclear Medicine Communications (2019) 40 (786-791) DOI: 10.1097/MNM.0000000000001041)**  
Günay O.  
Nuclear Medicine Communications, vol.40, pp.973, 2019 (Peer-Reviewed Journal)
17. **Türkiye' deki Radyasyon Güvenliği ve Koruma Eğitiminin, Avrupa Birliği Standartlarına Göre Değerlendirilmesi**  
PALACI H., GÜNAY O., YARAR O.  
European Journal of Science and Technology, pp.249-254, 2018
18. **İstanbul Boğazi'nda 137Cs Konsantrasyonunun Belirlenmesi**  
Günay O., Aközcan S.  
European Journal of Science and Technology, pp.54-60, 2018
19. **Bina içi radon konsantrasyonlarının belirlenmesi**  
günay O., Aközcan S., Kulalı F.  
European Journal of Science and Technology, pp.91-97, 2018
20. **İstanbul-Beykoz'daki Bazı Toprak Örneklerinde Doğal Radyoaktivite ve Radyolojik Parametreler Tayini**  
GÜNAY O.  
European Journal of Science and Technology, vol.3, no.12, pp.9-14, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

1. **Analysis of Potassium Levels in Sands of Caddebostan Beach and Their Environmental Significance**  
GÜNAY O., GÜNOĞLU K., AKKURT İ.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
2. **Thorium Levels in Sands of Caddebostan Beach: Assessment and Implications for Human Health**  
GÜNAY O.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
3. **Determination of Thorium Levels in Goztepe Beach Sands**  
GÜNAY O.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
4. **Determination of continuous deceleration approach range and stopping power of some polymer materials**  
GÜNOĞLU K., AKKURT İ., GÜNAY O.  
10th International Conference on Computational and Eperimental Science and Engineering (ICCESEN-2023), Antalya, Turkey, 27 - 30 October 2023, pp.193-196
5. **Electron stopping power and CSDA range for different cement pastes**  
GÜNOĞLU K., AKKURT İ., GÜNAY O.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
6. **Determination of Artificial Radioactive Cs-137 Dose Level in Some Soil Samples in Darica**  
GÜNAY O., YALÇIN C., GÜRAY R. T.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
7. **Potassium Concentrations in Suadiye Beach Sands: A Study on Environmental Health Significance**  
SARIHAN M., GÜNAY O., GÜNOĞLU K., AKKURT İ.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
8. **Potassium Levels in Sands of Göztepe Beach: Analysis and Implications”**  
GÜNOĞLU K., GÜNAY O., AKKURT İ.  
10th International Conference on Computational and Eperimental Science and Engineering (ICCESEN-2023), Antalya, Turkey, 27 - 30 October 2023, pp.181-184
9. **Determination of Levels of Artificial Radioactive Cs-137 Dose in Various Soil Samples in Dilovası, Kocaeli”**  
GÜNAY O., YALÇIN C., GÜRAY R. T.  
10th International Conference on Computational and Eperimental Science and Engineering (ICCESEN-2023), Antalya, Turkey, 27 - 30 October 2023, pp.178-184
10. **Calculation of linear attenuation coefficients of tungsten carbide composites containing different proportions of cobalt**  
AKKURT İ., GÜNAY O., GÜNOĞLU K.  
6 th International Conference on Sustainable Science and Technology, İstanbul, Turkey, 14 - 16 July 2023
11. **Evaluating the Level of Radiation Dose on the Eyes**  
SARIHAN M., GÜNAY O.  
5th INTERNATIONAL CONFERENCE ON NATURAL AND APPLIED SCIENCE AND ENGINEERING (ICNASEN-2023), Nevşehir, Turkey, 26 - 28 May 2023
12. **Determination of Natural Radiation Dose Levels in Some Soil Samples in Gebze**  
GÜNAY O., YALÇIN C., GÜRAY R. T.  
5th INTERNATIONAL CONFERENCE ON NATURAL AND APPLIED SCIENCE AND ENGINEERING (ICNASEN-2023), Nevşehir, Turkey, 26 - 28 May 2023
13. **Determination of 226Ra radioactivity level in Goztepe Beach**  
GÜNAY O.  
9th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 28 October 2022
14. **Radiation shielding properties of some composite materials**

- AKKURT İ., GÜNAY O., GÜNOĞLU K., AKYILDIRIM H.  
4 rd International Conference on Natural and Applied Science and Engineering, Nevşehir, Turkey, 06 May 2022
15. **Determination of natural radiation level in sand samples from some beaches in Istanbul**  
GÜNAY O., GÜNOĞLU K., AKKURT İ.  
4 rd International Conference on Natural and Applied Science and Engineering, Nevşehir, Turkey, 06 May 2022
16. **Determination of Ra-226 concentration at Suadiye beach in Istanbul**  
GÜNAY O.  
9th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 28 October 2022
17. **Determination of radium-226 activity concentration in sand samples from Doğançalı beach**  
GÜNAY O., GÜNOĞLU K., AKKURT İ.  
9th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 28 October 2022
18. **Investigation of interaction of some iron minerals with gamma rays using XCOM database**  
GÜNAY O., AKYILDIRIM H., GÜNOĞLU K., AKKURT İ.  
9th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 28 October 2022
19. **40K natural radioactivity for sand samples**  
GÜNOĞLU K., GÜNAY O., AKKURT İ.  
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## Academic and Administrative Experience

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2022 - Continues	Deputy Head of Department	Yildiz Technical University
2013 - 2021	Program Koordinatörü	Istanbul Okan University

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## Advising Theses

Günay O., RADIATION SHIELDING PARAMETERS OF DY<sup>3+</sup> DOPED CALCIUM ALUMINUM BARIUM SODIUM BORATE GLASS SYSTEM USED FOR RADIATION PROTECTION IN HOSPITALS, Postgraduate, A.KÜTÜK(Student), 2024

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## Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Engineering, Nuclear physics, Biophysics