

## **Assoc. Prof. SÜLEYMAN FATİH ÖZMEN**

### **Personal Information**

**Office Phone:** [+90 242 310 6763](tel:+902423106763)

**Email:** fatihozmen@akdeniz.edu.tr

**Web:** <https://avesis.akdeniz.edu.tr/fatihozmen>

### **International Researcher IDs**

ORCID: 0000-0003-2168-124X

Publons / Web Of Science ResearcherID: I-8753-2017

Yoksis Researcher ID: 142792

### **Education Information**

Doctorate, Akdeniz University, Faculty Of Science, Fizik, Turkey 2010 - 2017

Postgraduate, Selcuk University, Faculty Of Education, Ortaöğretim Fen Ve Matemetik, Turkey 2005 - 2008

Undergraduate, Middle East Technical University, Faculty Of Education, Fizik Öğretmenliği, Turkey 1997 - 2002

### **Foreign Languages**

English, B2 Upper Intermediate

### **Certificates, Courses and Trainings**

Education Management and Planning, Temel Bilimler Alanında Disiplinlerarası Araştırma Projeleri Hazırlama Eğitimi, TÜBİTAK, 2014

Education Management and Planning, Çevresel Radyoaktivite Ölçümleri, TAEK, 2013

Education Management and Planning, İleri seviyede Gama Spektroskopik Yöntemler, TAEK, 2012

Education Management and Planning, HPGe dedektörlerinin yapısı, elektroniği, çalışma prensipleri, bakım ve onarımları, HEAVY ION LAB, 2011

Education Management and Planning, Spektroskopik yöntemler, sintilasyon ve yarı iletken dedektörlerle gama spektroskopisi, EGE ÜNİVERSİTESİ NÜKLEER BİLİMLER ENSTİTÜSÜ, 2011

Education Management and Planning, HPGe dedektör sisteminin kurulumu ve MAESTRO32, GAMMA VISION yazılımlarının Eğitimi, NEL ELEKTRONİK / ORTEC, 2010

### **Dissertations**

Doctorate, MERSİN İLİ DOĞAL VE YAPAY GAMA RADYOAKTİVİTE ÖLÇÜMLERİNİN YAPILMASI VE RADYOAKTİVİTE HARİTASININ ÇIKARILMASI, Akdeniz University, Faculty of Science, Fizik, 2017

Postgraduate, Karbon Katkısının  $YBa_2Cu_3O_7-d$  Süperiletkeninin Yapısal ve Süperiletkenlik Özellikleri Üzerine Etkisinin Aratırılması, Selcuk University, Fen Bilimleri Enstitüsü, Ortaöğretim Fen Ve Matematik , 2008

### **Research Areas**

Physics, Nuclear physics, Experimental Methods of Particle and Nuclear Physics, Radioactive decay and in-beam spectroscopy, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Akdeniz University, Technical Sciences Vocational School, Department of Electricity and Energy, 2020 - Continues

Lecturer PhD, Akdeniz University, Technical Sciences Vocational School, Department of Electricity and Energy, 2017 - 2020

Lecturer, Akdeniz University, Technical Sciences Vocational School, Department of Electricity and Energy, 2013 - 2017

Research Assistant, Akdeniz University, Faculty of Science, Department of Physics, 2010 - 2013

## Courses

Temel Fizik II, Associate Degree, 2020 - 2021

Radyasyon Kaynakları ve Uygulamaları, Associate Degree, 2020 - 2021

Mesleki Yabancı Dil - II, Associate Degree, 2020 - 2021

Hızlandırıcı Fiziği, Associate Degree, 2020 - 2021

Radyasyon Kaynakları ve Uyg., Associate Degree, 2020 - 2021

Radyasyon Zırhlama Laboratuarı, Associate Degree, 2020 - 2021

Fizik II, Undergraduate, 2020 - 2021

Hızlandırıcı Fiziği, Associate Degree, 2018 - 2019

Uygulamalı Sağlık Fiziği Lab, Associate Degree, 2018 - 2019

Radyasyon Kaynakları ve Uygulamaları, Associate Degree, 2018 - 2019

Temel Nükleer Yapı, Associate Degree, 2018 - 2019

Radyasyon Zırhlama İlkeleri, Associate Degree, 2018 - 2019

Radyasyon Zırhlama Lab., Associate Degree, 2018 - 2019

Mesleki Yabancı Dil II, Associate Degree, 2016 - 2017

Fizik II, Associate Degree, 2016 - 2017

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

### I. An assessment on levels of radionuclides and trace metals and radiological risk to marine biota in the North-Eastern Mediterranean Sea

Koraltan I., Güven O., Asri F. O., Aktas O., Aksoy E., Yaprak G., Boztosun I., Ozmen S. F.

EUROPEAN PHYSICAL JOURNAL: SPECIAL TOPICS, vol.232, no.5, pp.1-11, 2023 (SCI-Expanded)

### II. Natural and artificial radioactivity levels of greenhouse soils and relations with soil properties

TOPCUOĞLU B., ÖZMEN S. F., BOZTOSUN İ., GÜLLÜDAĞ C. B.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.331, no.2, pp.783-797, 2022 (SCI-Expanded)

### III. Determination of radiological hazard parameters and radioactivity concentrations in bauxite samples: the case of the Sutlegen Mine Region (Antalya, Turkey)

Özer Atakoğlu Ö., Yalçın M. G., Özmen S. F.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.329, no.2, pp.701-715, 2021 (SCI-Expanded)

### IV. Radiation shielding properties of mortars containing heavyweight particles

Kockal N. U., Cesur A., Ozmen S. F.

KERNTECHNIK, vol.86, no.1, pp.64-69, 2021 (SCI-Expanded)

### V. Radioactivity concentrations and risk assessment of Tekirdag lignites (case study of Malkara coalfield)

- GÜLLÜDAĞ C. B., AKSOY E., Unal N., ÖZMEN S. F.  
ACTA GEOPHYSICA, vol.68, no.5, pp.1411-1420, 2020 (SCI-Expanded)
- VI. Investigation of the Effect of Hydrothermal Waters on Radionuclide Activity Concentrations in Natural Marble with Multivariate Statistical Analysis  
Yalçın F., Unal S., Yalçın M. G., Aktürk Ö., Bilge Ocak S., Özmen S. F.  
SYMMETRY-BASEL, vol.12, no.8, 2020 (SCI-Expanded)
- VII. Ecological assesment of Akkuyu nuclear power plant site marine sediments in terms of radionuclide and metal accumulation  
ÖZMEN S. F.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.325, no.1, pp.133-145, 2020 (SCI-Expanded)
- VIII. Estimation of Natural Radionuclides' Concentration of the Plutonic Rocks in the Sakarya Zone, Turkey Using Multivariate Statistical Methods  
YALÇIN F., İLBEYLİ N., Demirbilek M., YALÇIN M. G., GÜNEŞ A., Kaygusuz A., ÖZMEN S. F.  
SYMMETRY-BASEL, vol.12, no.6, 2020 (SCI-Expanded)
- IX. Radiological risk assessment of fish feed and feed raw materials  
YILMAZ M., ÖZMEN S. F.  
AQUACULTURE RESEARCH, vol.51, no.6, pp.2190-2196, 2020 (SCI-Expanded)
- X. Radioactivity concentrations of farmed and wild European seabass (*Dicentrarchus labrax* L., 1758) in the eastern Mediterranean and risk assessment of their consumption  
ÖZMEN S. F., YILMAZ M.  
REGIONAL STUDIES IN MARINE SCIENCE, vol.36, 2020 (SCI-Expanded)
- XI. Computation of gamma radioactivity of natural rocks in the vicinity of Antalya province and its effect on health  
ÜNAL S., YALÇIN M. G., BİLGE OCAK S., YALÇIN R., ÖZMEN S. F.  
KERNTHECHNIK, vol.83, no.2, pp.112-120, 2018 (SCI-Expanded)
- XII. Quadrupole collectivity in Ca-42 from low-energy Coulomb excitation with AGATA  
Hadynska-Klek K., Napiorkowski P. J., Zielinska M., Srebrny J., Maj A., Azaiez F., Dobon J. J. V., Kicinska-Habior M., Nowacki F., Naidja H., et al.  
PHYSICAL REVIEW C, vol.97, no.2, 2018 (SCI-Expanded)
- XIII. Superdeformed and Triaxial States in Ca-42  
Hadynska-Klek K., Napiorkowski P. J., Zielinska M., Srebrny J., Maj A., Azaiez F., Dobon J. J. V., Kicinska-Habior M., Nowacki F., Naidja H., et al.  
PHYSICAL REVIEW LETTERS, vol.117, no.6, 2016 (SCI-Expanded)
- XIV. *Microtus guentheri* (Danford & Alston, 1880) (Rodentia: Cricetidae) as a biomonitor for radionuclides in Mersin Province of Turkey  
YAVUZ M., ÖZMEN S. F., TUNÇ M. R., BOZTOSUN İ.  
TURKISH JOURNAL OF ZOOLOGY, vol.40, no.4, pp.561-573, 2016 (SCI-Expanded)
- XV. Comparison between natural radioactivity levels and geochemistry of some granitoids in western Turkey  
ERKUL S., ÖZMEN S. F., ERKÜL F., BOZTOSUN İ.  
TURKISH JOURNAL OF EARTH SCIENCES, vol.25, no.3, pp.242-255, 2016 (SCI-Expanded)
- XVI. Photonuclear reactions with zinc: A case for clinical linacs  
Boztosun I., Dapo H., Karakoç M., Özmen S. F., Cecen Y., Çoban A. Y., Caner T., Bayram E., Saito T. R., Akdogan T., et al.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.9, 2015 (SCI-Expanded)
- XVII. Gamma-ray Irradiation Induces Useful Morphological Variation in Bermudagrass  
SEVER MUTLU S., DJAPO H., ÖZMEN S. F., SELİM C., TUNÇEL N.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.43, no.2, pp.515-520, 2015 (SCI-Expanded)
- XVIII. MEASUREMENT OF RADIOACTIVITY LEVELS AND ASSESSMENT OF RADIOACTIVITY HAZARDS OF SOIL SAMPLES IN KARAMAN, TURKEY  
Agar O., BOZTOSUN İ., Korkmaz M. E., ÖZMEN S. F.  
RADIATION PROTECTION DOSIMETRY, vol.162, no.4, pp.630-637, 2014 (SCI-Expanded)

- XIX. **Distribution of natural and anthropogenic radionuclides in beach sand samples from Mediterranean Coast of Turkey**  
 ÖZMEN S. F., Cesur A., BOZTOSUN İ., YAVUZ M.  
 RADIATION PHYSICS AND CHEMISTRY, vol.103, pp.37-44, 2014 (SCI-Expanded)
- XX. **Determination of gamma radioactivity levels and associated dose rates of soil samples of the Akkuyu/Mersin using high-resolution gamma-ray spectrometry**  
 ÖZMEN S. F., BOZTOSUN İ., YAVUZ M., TUNC M. R.  
 RADIATION PROTECTION DOSIMETRY, vol.158, no.4, pp.461-465, 2014 (SCI-Expanded)
- XXI. **TOWARDS THE DETERMINATION OF SUPERDEFORMATION IN Ca-42**  
 Hadynska-Klek K., Napiorkowski P. J., Maj A., Azaiez F., Kicinska-Habior M., Valiente-Dobon J. J., de Angelis G., Abraham T., Kumar G. A., Arnes B. -, et al.  
 ACTA PHYSICA POLONICA B, vol.44, no.3, pp.617-625, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sediment Radioactivity Levels of Deep-Water Fishery Grounds in Antalya Bay**  
 Ozmen S. F., GÜVEN O.  
 AQUATIC SCIENCES AND ENGINEERING, vol.36, no.1, pp.29-33, 2021 (ESCI)
- II. **Fethiye Yöresinde Yetiştirilen Gökkuşağı Alabalıklarının (*Oncorhynchus mykiss*, Walbaum 1792) Doğal Radyoaktivite Düzeyleri**  
 ÖZMEN S. F., YILMAZ M.  
 Acta Aquatica Turcica, vol.15, no.4, pp.505-512, 2019 (Peer-Reviewed Journal)
- III. **Kültür Minekop Balığının (*Umbrina cirrosa* Linnaeus, 1758) Radyolojik Risk Değerlendirmesi**  
 YILMAZ M., ÖZMEN S. F.  
 Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.14, no.2, pp.269-275, 2019 (Peer-Reviewed Journal)
- IV. **Study of the effect of irradiation (60Co) on M1 plants of common bean (*Phaseolus vulgaris* L.) cultivars and determined of proper doses for mutation breeding**  
 ULUKAPI K., ÖZMEN S. F.  
 JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, vol.11, no.2, pp.157-161, 2018 (Peer-Reviewed Journal)
- V. **The results of the first photonuclear reaction performed in Turkey: The zinc example**  
 Boztosun I., Dapo H., Özmen S. F., Çeçen Y., Karakoç M., Çoban A., Cesur A., Caner T., Bayram E., Keller G. B., et al.  
 Turkish Journal of Physics, vol.38, no.1, pp.1-9, 2014 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of Radioactivity Levels of Wastewater Treatment Plants Sludges of Eastern Antalya**  
 TOPCUOĞLU B., ÖZMEN S. F.  
 31st ISTANBUL International Conference on "Chemical, Agriculture, Biological and Environmental Sciences" (ICBEN-22), İstanbul, Turkey, 23 - 25 November 2022
- II. **Determination of Natural Radioactivity Levels of Sludges collected from wastewater Treatment Plants of Antalya/Turkey**  
 ÖZMEN S. F., TOPCUOĞLU B.  
 9th International Symposium - Monitoring of Mediterranean Coastal Areas: Problems and Measurement Techniques, Floransa, Italy, 14 June - 16 July 2022
- III. **Natural Radionuclide Concentrations of Wild Gilthead Sea Bream and European Sea Bass**  
 YILMAZ M., ÖZMEN S. F.  
 9TH INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, 1 March - 03 November 2019

- IV. **Morphological Changes of Common Bean (*Phaseolus vulgaris L.*) Cultivars in Different Gamma Rays Irradiation (60Co) Doses and Determined the Proper Doses for Mutation Breeding**  
ULUKAPI K., ÖZMEN S. F., DAPO H.  
2nd International Conference on AdvanceS in Natural and Applied Sciences, 18 - 21 April 2017
- V. **BUCAK İLÇESİ MERMERLERİNİN URANYUM AKTİVİTE KONSANTRASYONU VE İNSAN SAĞLIĞI ÜZERİNE ETKİSİ**  
PAKSU E., YALÇIN M. G., SEZER Ü., ÖZMEN S. F., DANIEL G N.  
68. TÜRKİYE JEOLOJİ KURULTAYI, Turkey, 6 - 10 April 2015
- VI. **PARÇACIK HİZLANDIRICILARININ ENDÜSTRİDE KULLANIM ALANLARI**  
ÖZMEN S. F.  
YÜKLÜ PARÇACIK OPTİĞİ UYGULAMALARI KİŞ OKULU, Turkey, 27 - 29 March 2015
- VII. **ASSESMENT OF GAMMA DOSE RATES AROUND ANTALYA TURKEY**  
RÜYA Y., AĞAR O., ÖZMEN S. F., BOZTOSUN İ., YALÇIN M. G.  
TURKISH PHYSICAL SOCIETY 31ST INTERNATIONAL PHYSICS CONFERENCE, 21 - 24 July 2014
- VIII. **ENVIRONMENTAL RADIOACTIVITY ANALYSIS IN MERSIN TURKEY FOLLOWING THE FUKUSHIMA DAI ICHI NUCLEAR ACCIDENT**  
ÖZMEN S. F., BOZTOSUN İ., CESUR A.  
9TH INTERNATIONAL SYMPOSIUM ON THE NATURAL RADIATION ENVIRONMENT, 22 - 26 September 2014
- IX. **ENVIRONMENTAL ASSESMENT OF HEAVY METAL IN SOIL BY X RAY FLUORESCENCE SPECTROSCOPY**  
AĞAR O., ÖZMEN S. F., DOĞAN M., KORKMAZ M. E., BOZTOSUN İ., CENGİZ E.  
TURKISH PHYSICAL SOCIETY 31ST INTERNATIONAL PHYSICS CONFERENCE, 21 July - 24 April 2014
- X. **AKDENİZ BÖLGESİNDEN KULLANILAN YAPI MALZEMELERİNİN DOĞAL RADYOAKTİVİTE SEVİYELERİNİN BELİRLENMESİ**  
ÖZMEN S. F., CESUR A., BOZTOSUN İ.  
ADIM FİZİK GÜNLERİ III, Turkey, 17 - 18 April 2014
- XI. **AKDENİZ VE İÇ ANADOLU BÖLGELERİNDE PEKMEZ YAPIMINDA KULLANILAN TOPRAKLARIN DOĞAL RADYOAKTİVİTE SEVİYELERİNİN BELİRLENMESİ**  
ÖZMEN S. F., CESUR A., BOZTOSUN İ.  
ADIM FİZİK GÜNLERİ III, Turkey, 17 - 18 April 2014
- XII. **FOTONÜKLEER REAKSİYON İLE NİKEL ELEMENTİNİN ENERJİ SEVİYELERİNİN VE YARI ÖMÜRLERİNİN HESAPLANMASI**  
AĞAR O., BOZTOSUN İ., HARİS D., ÖZMEN S. F.  
ADIM FİZİK GÜNLERİ III, Turkey, 17 - 18 April 2014
- XIII. **FOTOAKTİVASYON ANALİZİNİN ELEMENT DERİŞİMLERİNİN TESPİTİNDE KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI**  
CESUR A., BOZTOSUN İ., KARAKOÇ M., HARİS D., ÖZMEN S. F.  
ADIM FİZİK GÜNLERİ III, Turkey, 17 - 18 April 2014
- XIV. **PARÇACIK HİZLANDIRICILARININ ENDÜSTRİDE KULLANIMI GIDA STERİLİZASYONU**  
ÖZMEN S. F., BOZTOSUN İ., HARİS D.  
II. YÜKLÜ PARÇACIK OPTİĞİ, Turkey, 24 - 26 March 2014
- XV. **Burdur Isparta Antalya İllerinde Bulunan Mermerlerin Doğal ve Yapay Radyoaktivite Seviyeleri ve İnsan Sağlığına Etkileri**  
ÖZMEN S. F., BOZTOSUN İ., YALÇIN M. G., ÜNAL S., RÜYA Y.  
II. TİBBİ JEOLOJİ ÇALIŞTAYI, Turkey, 4 - 06 December 2013
- XVI. **ENVIRONMENTAL RADIOACTIVITY ANALYSIS IN MERSIN TURKEY FOLLOWING THE FUKUSHIMA DAI ICHI NUCLEARACCIDENT**  
ÖZMEN S. F., Cesur A., BOZTOSUN İ.  
2nd International Conference on Water Energy and Environment, 21 - 23 September 2013

## Activities in Scientific Journals

Journal of Advanced Biotechnology and Bioengineering, Committee Member, 2017 - 2019

## Metrics

Publication: 73

Citation (WoS): 218

Citation (Scopus): 247

H-Index (WoS): 8

H-Index (Scopus): 9

## Congress and Symposium Activities

3rd Charged particle optics ( special theme : charged particle optics applications"), Attendee, Afyon, Turkey, 2015

The 9th International Symposium on the Natural Radiation Environment, Attendee, HIROSAKI, Japan, 2014

NUBA-2014: The 1st International Nuclear Physics Summer School, Attendee, ANTALYA, Turkey, 2014

"Adım Fizik Günleri III", "Akdeniz ve İç Anadolu Bölgelerinde Pekmez Yapımında Kullanılan Toprakların Doğal Radyoaktivite Seviyelerinin Belirlenmesi", Attendee, ISPARTA, Turkey, 2014

"Adım Fizik Günleri III", "Akdeniz Bölgesinde kullanılan Yapı Malzemelerinin Doğal Radyoaktivite Seviyelerinin Belirlenmesi", Attendee, ISPARTA, Turkey, 2014

II. Yüklü parçacık optiği (özel tema: yüklü parçacık analizörlerinin simülasyonu, dizaynı ve uygulamaları) uygulamalı kiş okulu "Parçacık Hızlandırıcılarının Endüstride Kullanımı: Gıda Sterilizasyonu", Attendee, AFYON, Turkey, 2014

II.Tıbbi Jeoloji Çalıştayı "Burdur, Isparta, Antalya İllerinde Bulunan Mermerlerin Doğal Ve Yapay Radyoaktivite Seviyeleri Ve İnsan Sağlığı Üzerine Etkisi", Attendee, ANTALYA, Turkey, 2013

Karadeniz Teknik Üniversitesi, " Ülkemizin İlk Fotonükleer Reaksiyonu Ve Nükleer Tekniklerin Endüstriyel Uygulamaları", Attendee, TRABZON, Turkey, 2013

2nd International Conference on Water Energy & Environment ICWEE2013, "Measurement Of Gamma Radioactivity Levels And Assessment Of Radioactivity Hazards Of Beach Sand Samples In Mersin, Turkey Following The Fukushima Dai-Ichi Nuclear Accident", Attendee, GÖYNÜK / ANTALYA, Turkey, 2013

2nd International Conference on Water Energy & Environment ICWEE2013, "Environmental Radioactivity Analysis In Mersin, Turkey Following The Fukushima Dai-Ichi Nuclear Accident", Attendee, KUŞADASI / AYDIN, Turkey, 2013

Göynük Fen Lisesi Bilim Fuarı, " Nükleer Tekniklerin Endüstriyel Uygulamaları", Attendee, GÖYNÜK / ANTALYA, Turkey, 2013

3rd International Advances in Applied Physics & Materials Science Congress APMAS, "Determination of Gamma Radioactivity Levels and Associated Dose Rates of Soil Samples of the Akkuyu/Mersin Area Using High-Resolution GAMMA-RAY Spectrometry", Attendee, KEMER / ANTALYA, Turkey, 2013

3rd International Advances in Applied Physics & Materials Science Congress APMAS, "Assessment of Natural and Artificial Radioactivity Levels and Radiological Hazards in Soil Samples Collected in Karaman", Attendee, KEMER / ANTALYA, Turkey, 2013

## Awards

ÖZMEN S. F., Rolling metodu ile en ince 0.7µm Aliminyum hedef hazırlama, Warşova Üniversitesi, Heavy Ion Laboratory, October 2011