

Prof. SİDDİK SİNAN KESKİN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-5495-2018

ScopusID: 14799

Yoksis Researcher ID: 173328

Biography

Lisans derecesini 1986 yılında Hacettepe Üniversitesi Nükleer Enerji Mühendiliği Bölümü'nde, Yüksek Lisans derecesini 1990 yılında The University of Michigan (A.B.D.) Nükleer Mühendislik Bölümü'nde ve Doktora derecesini 1995 yılında Massachusetts Institute of Technology (A.B.D.) Nükleer Mühendislik Bölümü, Environmental Research and Radiochemistry Laboratuvarı'nda, Antarktika buzullarında uzun dönemli element konsantrasyon profillerinin eldesi ve analizi konusunda tamamlamıştır. Doktorası sırasında bulunduğu Araştırma Görevlisi kadrosunda çok sayıda hava kirliliği araştırma projesinde yer almış, PM saha örneklemeleri, havadaki partikül maddeler içinde bulunan eser miktartlı elementlerin nükleer tekniklerle analizi, Alıcı-Kaynak modellemesi konularında uzmanlaşmıştır. 1995 yılından bu yana Marmara Üniversitesi'nde öğretim üyesi olarak çalışmalarına devam etmektedir.

Education Information

Doctorate, Massachusetts Institute of Technology, Mühendislik, Nükleer Mühendislik, United States Of America 1990 - 1995

Postgraduate, University of Michigan, Mühendislik, Nükleer Mühendislik, United States Of America 1988 - 1990

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Nükleer Enerji Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Time-series Trends of Trace Elements in an Ice Core from Antarctica., Massachusetts Institute of Technology, Mühendislik, Nükleer Mühendislik, 1995

Research Areas

Atmospheric Physics, Cloud Physics, Air Pollution and Control, Air Pollution Monitoring, Air Pollution Modeling, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2016 - Continues
Professor, Marmara University, Rectorate, Uluslararası Sürdürülebilirlik Merkezi, 2017 - 2019
Associate Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2009 - 2016
Associate Professor, Marmara University, Rectorate, Çevre Sorunları Uygulama ve Araştırma Merkezi, 2013 - 2015
Assistant Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2001 - 2009
Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 1995 - 2001
Research Assistant, Massachusetts Institute of Technology, Mühendislik, Nükleer Mühendislik, 1992 - 1995
Researcher, Massachusetts Institute of Technology, Engineering, Nuclear Engineering, 1990 - 1992
Engineer, University of Michigan, Graduate School of Engineering, Nuclear Engineering, 1988 - 1990
Research Assistant, Hacettepe University, Mühendislik Fakültesi, Nükleer Enerji Mühendisliği Bölümü, 1987 - 1988

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Marmara University, Faculty of Engineering, Environmental Engineering, 2008 - 2010
Enstitü Yönetim Kurulu Üyesi, Marmara University, Faculty of Engineering, Environmental Engineering, 2006 - 2008
Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Engineering, Environmental Engineering, 2002 - 2004
Enstitü Yönetim Kurulu Üyesi, Marmara University, Faculty of Arts and Sciences, Physics, 1999 - 2001
Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Arts and Sciences, Physics, 1998 - 2000
Marmara University, Faculty of Arts and Sciences, Physics, 1998 - 1999

Courses

Particulate Control in Air Pollution, Undergraduate, 2021 - 2022
Energy and the Environment, Undergraduate, 2020 - 2021
Atmospheric Deposition Processes, Doctorate, 2021 - 2022
Multivariate Statistical Methods in Environmental Pollution, Doctorate, 2020 - 2021
Environmental Engineering Hydrology, Undergraduate, 2016 - 2017
Special Topics in Air Pollution, Postgraduate, 2012 - 2013
Atmospheric Deposition of Air Pollutants, Postgraduate, 2011 - 2012
Air Pollution-II, Postgraduate, 2010 - 2011
Air Pollution Control Design, Postgraduate, 2009 - 2010
Air Pollution-I, Postgraduate, 2010 - 2011
Special Topics in Environmental Engineering, Undergraduate, 2009 - 2010
Sampling and Analysis of Air Pollutants, Postgraduate, 2009 - 2010
Numerical Methods, Undergraduate, 2007 - 2008
Advanced Topics in Air Pollution, Undergraduate, 2007 - 2008
Geotechnical Engineering, Undergraduate, 2003 - 2004
Environmental Engineering Ecology, Undergraduate, 2003 - 2004

Advising Theses

Keskin S. S., Özkurt N., Evaluation of air and noise pollution sourced from road traffic in Trabzon city and examination of the relationship between them, Postgraduate, M.NEŞE(Student), 2017

Keskin S. S., Sennaroğlu B., Quality oriented process development via statistical analysis for carbon, water, and energy footprint: An application in textile industry, Postgraduate, M.ERDİL(Student), 2017

Keskin S. S., Determination of Elemental Concentration Profiles in Tuz Lake Sediments, Postgraduate, Ö.Güner(Student), 2011

Keskin S. S., Determination of Indoor Air Particulate Matter Mass and Elemental Concentrations in a Selected Hospital, Postgraduate, S.Kılıç(Student), 2010

Keskin S. S., Lacoursiere J. O., Yağış Sularının Sürdürülebilir Yönetimi, Postgraduate, S.Levi(Student), 2007

Keskin S. S., İstanbul Trafikinde İETT Otobüsleri İç Ortam Havasında Partikül Madde Element Konsantrasyonlarının Belirlenmesi, Postgraduate, E.Dilmaç(Student), 2005

Keskin S. S., Determination of Particulate Matter Elemental Concentrations in Selected Primary Schools in Istanbul, Turkey, Postgraduate, D.Ekmekcioğlu(Student), 2005

Research Infrastructure Information

Keskin S. S., X-Ray Fluorescence Laboratory, January 2004

Keskin S. S., Gas Chromatography Mass Spectrometry Laboratory, January 2003

Keskin S. S., X-Ray Diffraction Laboratory, January 2002

Keskin S. S., Air Pollution Laboratory, September 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of simultaneous effects of noise barriers on near-road noise and air pollutants**
Tezel-Oguz M. N., Marasli M., Sari D., Ozkurt N., KESKİN S. S.
Science of the Total Environment, vol.892, 2023 (SCI-Expanded)
- II. **Application of reduction scenarios on traffic-related NOx emissions in Trabzon, Turkey**
Tezel-Oguz M. N., Sari D., Ozkurt N., KESKİN S. S.
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2379-2389, 2020 (SCI-Expanded)
- III. **Combined NOx and noise pollution from road traffic in Trabzon, Turkey**
Tezel M. N., Sari D., Ozkurt N., KESKİN S. S.
Science of the Total Environment, vol.696, 2019 (SCI-Expanded)
- IV. **Indoor air particulate matter exposure of commuter bus passengers in Istanbul, Turkey**
KESKİN S. S., Dilmac E.
INDOOR AND BUILT ENVIRONMENT, vol.26, no.3, pp.337-346, 2017 (SCI-Expanded)
- V. **Comprehensive characterization of chitosan/PEO/levan ternary blend films**
Bostan M., Mutlu E. C., Kazak H., KESKİN S. S., Oner E. T., EROĞLU M. S.
CARBOHYDRATE POLYMERS, vol.102, pp.993-1000, 2014 (SCI-Expanded)
- VI. **INVESTIGATION OF ANTIMICROBIAL ACTIVITY AND MORPHOLOGICAL PROPERTIES OF METAL COATED TEXTILE SURFACES**
ASLAN N., ŞENTÜRK K., ŞEN T., ÇORUHLU T., VARTÜRK İ., ŞEKER S., SHAHIDI S., DOBROVOLSKIY A. M., TSIOLKO V. V., MATSEVICH S. V., et al.
PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY, no.6, pp.208-211, 2014 (SCI-Expanded)
- VII. **Optical properties and chemical behavior of Laser-dye Coumarin-500 and the influence of atmospheric corona discharges**
KESKİN S. S., Aslan N., Bayrakceken N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.72, no.2, pp.254-259, 2009 (SCI-Expanded)
- VIII. **Structure elucidation of laser dye coumarin-540A by joint application of X-ray diffraction, X-ray fluorescence, prompt fluorescence, UV and visible spectroscopy**
Keskin S. S., Aslan N., Bayrakceken F.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.67, pp.762-766, 2007 (SCI-Expanded)

- IX. **Characterization of indoor air particulate matter in selected elementary schools in Istanbul, Turkey**
Ekmekcioglu D., Keskin S. S.
INDOOR AND BUILT ENVIRONMENT, vol.16, no.2, pp.169-176, 2007 (SCI-Expanded)
- X. **Seasonal patterns of atmospheric trace element concentrations in Upstate New York, USA**
Olmez I., Gullu G., Aras N., Keskin S. S.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.259, no.1, pp.157-162, 2004 (SCI-Expanded)
- XI. **Tracking the El Nino events from Antarctic ice core records**
Keskin S. S., Olmez I.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.259, no.1, pp.199-202, 2004 (SCI-Expanded)
- XII. **Wet deposition flux of trace elements to the Adirondack region**
HUANG X., KESKİN S. S., GÜLLÜ G., ÖLMEZ İ.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.247, no.2, pp.317-323, 2001 (SCI-Expanded)
- XIII. **Possible Roles of Transition Metals in Cloudwater Relative to the Solar Short Wave Radiation Absorption Anomaly**
HUANG X., KESKİN S. S., PINK F., ÖLMEZ İ.
TURKISH JOURNAL OF CHEMISTRY, vol.21, pp.369-375, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation on surface electrical and optical properties of ITO AG ITO coated glass**
ASLAN N., ŞEN T., ÇORUHLU T., ŞENTÜRK K., KESKİN S. S., ŞEKER S., DOBROVOLSKIY A.
Problems of Atomic Science and Technology, vol.95, pp.256-258, 2015 (Scopus)
- II. **Heavy metal characterization of road dust and possible contribution to ambient air PM**
KESKİN S. S., KUS H. M.
Journal of International Environmental Application & Science, vol.9, pp.597-602, 2014 (Peer-Reviewed Journal)
- III. **Traffic related noise pollution on a university campus Modelling and measurements**
TUNA T., KESKİN S. S.
Journal of Selçuk University Natural and Applied Science, pp.186-197, 2013 (Peer-Reviewed Journal)
- IV. **The chaotic points and XRD analysis of Hg based superconductors**
ASLAN ÇATALTEPE Ö., GÜVEN ÖZDEMİR Z., KESKİN S. S., ONBAŞLI Ü.
Journal of Physics: Conference Series, vol.153, pp.12002, 2009 (Scopus)

Books & Book Chapters

- I. **FİZİK, Fen ve Mühendislik için Teknoloji Güncellemeli, Serway, Jewett,, CİLT 1, Mekanik/Dalgalar/Termodinamik**
Yahşi U., Saçlı Ö. A., Keskin S. S., Tav C., Dumludağ F., Yumak Yahşi A., Avgın İ.
Palme Yayın Dağıtım, İstanbul, 2021
- II. **Multidisciplinary Approach to Sustainability**
Keskin S. S., Bakoğlu R., Yıldız M. L. (Editor)
IJOPEC Publication, London, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the phytoremediation performance factors of safflower, soybean and canola plants.**
Keskin S. S., Kabakçı T. N.

2. International Sciences and Innovation Congress, Ankara, Turkey, 22 - 23 May 2021, pp.404-412
- II. **Application of reduction scenarios on traffic related NO_x emissions in Trabzon, Turkey.**
Tezel M. N., Sari D., Özkurt N., KESKİN S. S.
18th World Clean Air Congress, İstanbul, Turkey, 23 - 27 September 2019, pp.306-320
- III. **Bir tekstil fabrikasının kumaş üretiminde enerji ve karbon ayak izlerinin belirlenmesi.**
KESKİN S. S., Erdil M., SENNAROĞLU B.
VII. Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, Antalya, Turkey, 1 - 03 November 2017
- IV. **Dust effect on optically stimulated luminescence dosimetry.**
Gürdal Ş. O., KESKİN S. S., TOMBAKOĞLU M.
Fifth International Conference on Radiation and Applications in various Fields of Research, Budva, KARADAĞ, 12 - 16 June 2017, vol.2, pp.55-58
- V. **Correlation between NO_x and Noise Pollutions Originated from Road Traffic in Trabzon City, Turkey**
Tezel M. N., Sarı D., Özkurt N., KESKİN S. S.
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Nevşehir, Turkey, 8 - 10 May 2017, pp.2882
- VI. **Evaluation of Energy and Carbon Footprints of Fabric Production in Turkish Textile Industry: A Case Study**
ERDİL M., SENNAROĞLU B., KESKİN S. S.
1th International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.481-486
- VII. **Approximate dating of a sediment core obtained from Tuz Lake in Turkey using Cs 137 isotopic measurements**
KESKİN S. S., GÜNER Ö.
International Conference on Environmental Radioactivity, Selanik, Greece, 21 - 25 September 2015
- VIII. **Investigation of surface modification and anti biofilm effect of atmospheric pressure non thermal plasma on stainless steel**
OZEN F., SEN T., KESKİN S. S., ASLAN N., KORACHI M.
4th Nanomedicine World Congress and 2nd International NanoBioTechnology Symposium, 8 - 12 September 2015
- IX. **Investigation of antimicrobial activity and morphological properties of metal coated textile surfaces**
ASLAN N., ŞENTÜRK K., ŞEN T., ÇORUHLU T., VARTÜRK İ., ŞEKER S., SHAHIDI S., DOBROVLSKIY A. M., TSIOLKO V. V., MATSEVICH S. V., et al.
International Conference – School on Plasma Physics and Controlled Fusion (ICPPCF-2014), Ukraine, 15 - 18 September 2014
- X. **Investigation on surface electrical and optical properties of ITO AG ITO coated glass**
ASLAN N., ŞENTÜRK K., ŞEN T., ÇORUHLU T., VARTÜRK İ., ŞEKER S., SHAHIDI S., DOBROVLSKIY A., TSIOLKO V. V., KESKİN S. S., et al.
International Conference – School on Plasma Physics and Controlled Fusion (ICPPCF-2014), Ukraine, 15 September - 18 May 2014
- XI. **Heavy metal characterization of road dust and possible contribution to ambient air PM**
KESKİN S. S., KUŞ H. M.
International Environmental Sciences Symposium of Van (IESSV'14), 4 - 07 June 2014
- XII. **Mineralogical concentration trends in a Tuz Lake sediment core**
ÇETİN B., YETKİN R., ADAKÇI Z., KESKİN S. S.
2nd International Conference on Environmental Science and Technology (ICOEST 2014), 14 - 17 May 2014
- XIII. **Traffic Related Noise Pollution on a University Campus Modeling and Measurements**
TUNA T., KESKİN S. S.
International Conference on Environmental Science and Technology (ICOEST 2013), 18 - 21 June 2013, pp.186-197
- XIV. **Surface characterization of chitosan POE levan ternary blend films**
SENNAROĞLU BOSTAN M., MUTLU E., KAZAK H., KESKİN S. S., TOKSOY ÖNER E., EROĞLU M. S.
The 4th International Symposium on Surface and Interface of Biomaterials, 24 - 28 September 2013
- XV. **Indoor air PM mass and elemental concentrations in a selected hospital**

KESKİN S. S., KILIÇ S.

Second International Conference on Air Pollution and Control (CAPAC-II), Turkey, 19 - 23 September 2011

- XVI. **Thermo mechanical and spectroscopic characterization of chitosan POE levan ternary blend films for bioactive coatings**

SENNAROĞLU BOSTAN M., MUTLU E., KAZAK H., KESKİN S. S., TOKSOY ÖNER E., EROĞLU M. S.

The 4th International Symposium on Surface and Interface of Biomaterials, 24 - 28 September 2013

- XVII. **Havada Asılı Partikül Madde Örneklerinin ICP-MS Analizlerinde Karşılaşılan Hata Değerleri**
KILIÇ S., BOZKURT E., KESKİN S. S.

I. Eser Analiz Çalıştayı, Denizli, Turkey, 22 - 25 April 2010, vol.1, pp.20

- XVIII. **Nonvacuum deposition of silver doped YBCO coated conductor on %100 lattice match buffered Ni tapes**

Arda L., Cakiroglu O., Keskin S. S., Sacli O. A.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.767

Supported Projects

Çınar Ö., Keskin S. S., Project Supported by Higher Education Institutions, Tuz Gölü Sedimanlarında Mineral ve Element Konsantrasyon Profilleri Çıkarılarak Olası Kirletici Faktörlerin Belirlenmesi, 2013 - 2019

Keskin S. S., Project Supported by Higher Education Institutions, Cs 137 İzotopik Ölçümlerini Kullanarak Türkiye deki Tuz Gölü nden Elde Edilen Sediman Korunun Yaklaşık Tarihlenmesi, 2015 - 2016

Keskin S. S., Project Supported by Higher Education Institutions, Yüksek sıcaklık süperiletkenlerinde rölativistik olan ve olmayan bölgelerde simetri kırılmalarının elektrik ve magnetik yöntemlerle uygulamaya yönelik incelenmesi, 2010 - 2013

Keskin S. S., Project Supported by Higher Education Institutions, Çevre örneklerinin ED XRF analizinde kullanılan Temel Parametre Tekniği nin Monte Carlo simülasyon sonuçları ile karşılaştırılması, 2007 - 2009

Keskin S. S., Oraltay R. G., Project Supported by Higher Education Institutions, Hava Kirliliği Kaynaklarının Sektörel Olarak Belirlenmesi, 2002 - 2003

Metrics

Publication: 38

Citation (WoS): 173

Citation (Scopus): 155

H-Index (WoS): 5

H-Index (Scopus): 4

Non Academic Experience

Koruma Klor Alkali San. ve Tic. A.Ş.

Türkiye Atom Enerjisi Kurumu

Other Public Institution, Turkish Atomic Energy Agency, Nuclear Safety

Türkiye Atom Enerjisi Kurumu

Other Public Institution, Turkish Atomik Energy Agency, Nuclear Safety