

Prof. BÜLENT OKTAY AKKOYUNLU

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International Researcher IDs

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Education

Postgraduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 2014 - 2018

Doctorate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 1993 - 2003

Undergraduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 1981 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, İşitilebilir, ultrasonik ve infrasonik dalgaların üretimi ve iç enerjisi, Marmara Üniversitesi, Faculty of Arts and Sciences, Physics, 1990

Research Areas

Physics, Natural Sciences

Academic Positions

Associate Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2013 - Continues

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2009 - 2013

Research Assistant, Marmara University, Faculty of Arts and Sciences, Physics, 1994 - 2009

Academic and Administrative Experience

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Fizik (YI) (Tezli), 2018 - Continues

Courses

Postgraduate

Introduction to Atmospheric Physics, Postgraduate, 2017 - 2018

Undergraduate

Quantum mechanics, Undergraduate, 2019 - 2020

introduction to Air Pollution, Undergraduate, 2018 - 2019

Diferansiel Equations, Undergraduate, 2018 - 2019

Physics for Mathematics, Undergraduate, 2018 - 2019

Physics, Undergraduate, 2018 - 2019

Mekanik, Undergraduate, 2016 - 2017

İstatiksel Fiziğe Giriş, Undergraduate, 2017 - 2018

Linear Algebra, Undergraduate, 2017 - 2018

Scientific English I, Undergraduate, 2017 - 2018

Linear Algebra, Undergraduate, 2017 - 2018

Atmosfer Fiziğine Giriş, Undergraduate, 2010 - 2011

Supervised Theses

Akkoyunlu B. O., THE SOURCES OF HIGH PM10 IN ISTANBUL AND EFFECT OF METEOROLOGICAL CONDITIONS ON HIGH PM10 CONCENTRATIONS, Postgraduate, Ç.Sinem(Student), Continues

Akkoyunlu B. O., Sahra Çölü Tozlarının Türkiye'xye Taşımının Atmosferik Mekanizmaları ve Solunum Sistemi Hastalıkları Üzerindeki Etkileri, Doctorate, H.Arslan(Student), Continues

AKKOYUNLU B. O., Yağmur suyu ve atmosferik parçacıklardaki iyonların, iz elementlerin, escherichia coli ve enterococcus bakteri türlerinin incelenmesi, Postgraduate, T.FEYİZ(Student), 2016

AKKOYUNLU B. O., Determination of the sources and scavenging coefficients of atmospheric particles, Postgraduate, M.BAHA(Student), 2016

AKKOYUNLU B. O., Kırklareli'de yaş, bulk ve kuru birikim kompozisyonunun incelenmesi, Doctorate, İ.ORUÇ(Student), 2012

AKKOYUNLU B. O., Ardışık yağmur örnekleme cihazının yapımı ve yağış kimyasının incelenmesi, Postgraduate, Y.Ercan(Student), 2011

AKKOYUNLU B. O., Otomatik yaş-kuru birikim örnekleme cihazının tasarımı ve yaş-kuru birikimlerdeki iyon konsantrasyonunun meteorolojik şartlarla ilişkisi, Postgraduate, M.DEGİRMİ(Student), 2011

AKKOYUNLU B. O., Yağış alt-olay örnekleme ve analiz ile bulut altı temizleme mekanizmasının incelenmesi, Postgraduate, Ö.GÜLABİ(Student), 2011

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Simulation of the Jet Fire Using Atmospheric Dispersion Modeling (ALOHA): A Case Study of Natural Gas Pipeline in Istanbul, Türkiye**
Besiktas R., Baltaci H., AKKOYUNLU B. O.
Atmosphere, vol.15, no.4, 2024 (SCI-Expanded)
- II. **Long-term variations and synoptic features of heat waves in Türkiye**
Baltaci H., Ozturk Y., AKKOYUNLU B. O.
International Journal of Global Warming, vol.33, no.1, pp.51-68, 2024 (SCI-Expanded)
- III. **Recent Climate Change in Western Black Sea Region of Turkey by Paleoclimatic Reconstruction of Borehole Temperatures**
Çelik B., ERKAN K., TAYANÇ M., Baltaci H., Akkoyunlu B., PAZVANTOĞLU E.
Pure and Applied Geophysics, vol.180, no.10, pp.3607-3620, 2023 (SCI-Expanded)
- IV. **The effects of heatwaves on hospital admissions in the Edirne province of Turkey: A cohort study**
Ozturk Y., Baltaci H., AKKOYUNLU B. O.

Medicine, vol.102, no.28, 2023 (SCI-Expanded)

- V. **Analysis and sampling of atmospheric particles of precipitation sub-events in Istanbul, Turkey**
Bahauddin M., Oruc I., Baltaci H., Ozdemir H., AKKOYUNLU B. O.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.7, pp.5985-5998, 2022 (SCI-Expanded)
- VI. **The sources and seasonal variations of the chemical components in the deposition samples in Kirklareli, Turkey**
Oruc I., AKKOYUNLU B. O., Erdogan I.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.87, no.7-8, pp.953-967, 2022 (SCI-Expanded)
- VII. **High PM10 source regions and their influence on respiratory diseases in Canakkale, Turkey**
Baltaci H., Arslan H., Akkoyunlu B. O.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.2, pp.797-806, 2022 (SCI-Expanded)
- VIII. **Wet Deposition in the Cross-Border Region Between Turkey and Bulgaria: Chemical Analysis in View of Cyclone Paths**
Oruc I., Georgieva E., Hristova E., Velchev K., Demir G., AKKOYUNLU B. O.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.106, no.5, pp.812-818, 2021 (SCI-Expanded)
- IX. **Surface heat flow in bestern Anatolia (Turkey) and implications to the thermal structure of the Gediz Graben**
Balkan-Pazvantoglu E., ERKAN K., ŞALK M., AKKOYUNLU B. O., TAYANÇ M.
TURKISH JOURNAL OF EARTH SCIENCES, vol.30, pp.991-1007, 2021 (SCI-Expanded)
- X. **Seasonal variation of carbonaceous PM2.5 in an Istanbul traffic site**
Flores R. M., Ozdemir H., AKKOYUNLU B. O., Ünal A., TAYANÇ M.
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2110-2118, 2020 (SCI-Expanded)
- XI. **Background atmospheric conditions of high PM10 concentrations in Istanbul, Turkey**
Baltaci H., Alemdar C. S. O., AKKOYUNLU B. O.
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.9, pp.1524-1534, 2020 (SCI-Expanded)
- XII. **Black carbon and size-segregated elemental carbon, organic carbon compositions in a megacity: a case study for Istanbul**
KUZU S. L., YAVUZ E., Akyüz E., SARAL A., AKKOYUNLU B. O., ÖZDEMİR H., Demir G., Ünal A.
AIR QUALITY ATMOSPHERE AND HEALTH, vol.13, no.7, pp.827-837, 2020 (SCI-Expanded)
- XIII. **Long-term variability and trends of extended winter snowfall in Turkey and the role of teleconnection patterns**
Baltaci H., Arslan H., AKKOYUNLU B. O., Gomes H. B.
METEOROLOGICAL APPLICATIONS, vol.27, no.2, 2020 (SCI-Expanded)
- XIV. **A high-time resolution study of PM2.5, organic carbon, and elemental carbon at an urban traffic site in Istanbul**
FLORES RANGEL R. M., Mertoglu E., ÖZDEMİR H., AKKOYUNLU B. O., Demir G., Ünal A., TAYANÇ M.
ATMOSPHERIC ENVIRONMENT, vol.223, 2020 (SCI-Expanded)
- XV. **Wind speed variability and wind power potential over Turkey: Case studies for Çanakkale and İstanbul**
Arslan H., Baltaci H., AKKOYUNLU B. O., Karanfil S., TAYANÇ M.
Renewable Energy, vol.145, pp.1020-1032, 2020 (SCI-Expanded)
- XVI. **The influence of meteorological conditions and atmospheric circulation types on PM10 levels in western Turkey**
Baltaci H., AKKOYUNLU B. O., Arslan H., Yetemen O., Ozdemir E. T.
Environmental Monitoring and Assessment, vol.191, no.7, 2019 (SCI-Expanded)
- XVII. **Atmospheric conditions of extreme precipitation events in western Turkey for the period 2006-2015**
AKKOYUNLU B. O., Baltaci H., TAYANÇ M.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.19, no.1, pp.107-119, 2019 (SCI-Expanded)

- XVIII. **Relationships between teleconnection patterns and Turkish climatic extremes**
Baltacı H., Akkoyunlu B. O., Tayanc M.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.134, pp.1365-1386, 2018 (SCI-Expanded)
- XIX. **An Extreme Hailstorm on 27 July 2017 in Istanbul, Turkey: Synoptic Scale Circulation and Thermodynamic Evaluation**
Baltacı H., AKKOYUNLU B. O., TAYANÇ M.
PURE AND APPLIED GEOPHYSICS, vol.175, no.11, pp.3727-3740, 2018 (SCI-Expanded)
- XX. **A portable borehole temperature logging system using the four-wire resistance method**
ERKAN K., Akkoyunlu B., BALKAN E., TAYANÇ M.
JOURNAL OF GEOPHYSICS AND ENGINEERING, vol.14, no.6, pp.1413-1419, 2017 (SCI-Expanded)
- XXI. **DESIGN AND CONSTRUCTION OF A COMPUTER CONTROLLED AUTOMATIC SEQUENTIAL RAIN SAMPLER**
AKKOYUNLU B. O., DOĞRUEL M., TAYANÇ M., Oruc I.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.27, no.3, pp.3890-3895, 2013 (SCI-Expanded)
- XXII. **Four storms with sub-events: Sampling and analysis**
Akkoyunlu B. O., TAYANÇ M.
ENVIRONMENT INTERNATIONAL, vol.34, no.5, pp.606-612, 2008 (SCI-Expanded)
- XXIII. **Analyses of wet and bulk deposition in four different regions of Istanbul, Turkey**
Akkoyunlu B. O., Tayanc M.
ATMOSPHERIC ENVIRONMENT, vol.37, no.25, pp.3571-3579, 2003 (SCI-Expanded)
- XXIV. **Composition of wet deposition in Kaynarca, Turkey**
Okay C., Akkoyunlu B. O., Tayanc M.
ENVIRONMENTAL POLLUTION, vol.118, no.3, pp.401-410, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Impacts of Heat Waves on Hospital Admissions and Mortality in the Fethiye Province of Turkey**
Ozturk Y., Baltacı H., AKKOYUNLU B. O.
Portuguese Journal of Public Health, vol.41, no.2, pp.94-101, 2023 (Scopus)
- II. **Design and Construction of Atmospheric Particle Sampling System by Unmanned Aerial Vehicle**
Akkoyunlu B. O., Oruç İ., Alpman E., Doğan B., Baltacı H.
International journal of advances in engineering and pure sciences (Online), vol.33, no.1, pp.90-96, 2021 (Peer-Reviewed Journal)
- III. **Chemical Analysis of Wet Deposition Sequential Samples at Istanbul, Turkey**
ORUÇ İ., AKKOYUNLU B. O., DOĞRUEL M., TAYANÇ M.
International Journal of Engineering Research and Development, 2018 (Peer-Reviewed Journal)
- IV. **Ion Concentrations And Sources Of Sequential Sampling Of Wet Deposition In Istanbul, Turkey**
ORUÇ İ., AKKOYUNLU B. O., DOĞRUEL M., TAYANÇ M.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.9, no.2, pp.131-136, 2017 (Peer-Reviewed Journal)

Books

- I. **An Extreme Hailstorm on 27 July 2017 in Istanbul, Turkey: Synoptic Scale Circulation and Thermodynamic Evaluation.**
Akkoyunlu B. O.
in: Meteorology and Climatology of the Mediterranean and Black Seas, Dr. Ivica Vilibić, Kristian Horvath, José Luis Palau, Editor, Springer, London/Berlin, Amsterdam, pp.7-20, 2019

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Surface Heat Flow in Western Anatolia (Turkey) and implications to the thermal structure of the Gediz Graben**
PAZVANTOĞLU E., ERKAN K., TAYANÇ M., AKKOYUNLU B. O., ŞALK M.
International Workshop On Geothermal Energy For Sustainable Development, 08 December 2021, (Summary Text)
- II. **Black Carbon Evaluation in an Urban Side of Istanbul Atmosphere during Spring and Summer Seasons**
KUZU S. L., YAVUZ E., AKYÜZ E., SARAL A., AKKOYUNLU B. O., Özdemir H.
18th World Clean Air Congress, İstanbul, Turkey, 23 - 27 September 2019, vol.1, pp.483-491, (Full Text)
- III. **Ion composition of the daily PM10 samples collected at Kirklareli Turkey**
Çetin B., Saka E. H., Cicerali M. F., ORUÇ H. N., FLORES RANGEL R. M., AKKOYUNLU B. O., TAYANÇ M.
18th World Clean Air Congress, 23 - 27 September 2019, pp.72, (Summary Text)
- IV. **A study of metallic composition in the daily PM2.5 samples at Kirklareli, Turkey**
Akkoyunlu B. O.
18th World Clean Air Congress, 23-27 September 2019, İstanbul, İstanbul, Turkey, 23 - 27 September 2019, pp.431, (Summary Text)
- V. **SEASONALITY OF PM2.5 AND ITS ORGANIC FRACTION IN A TRAFFIC SITE IN BEŞİKTAŞ, İSTANBUL**
Akkoyunlu B. O.
18th World Clean Air Congress, İstanbul, Turkey, 23-27 September 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.25, (Summary Text)
- VI. **Seasonality of PM 2.5 and its organic fraction in a traffic site in Besiktas, Istanbul**
FLORES RANGEL R. M., MERTOĞLU E., ÖZDEMİR H., AKKOYUNLU B. O., ÜNAL A., TAYANÇ M.
18th World Clean Air Congress 2019, 23 - 27 September 2019, (Full Text)
- VII. **DISTRIBUTION OF SVOCs IN FINE AND COARSE PARTICULATE MATTER IN A TRAFFIC SITE IN THE MEGACITY OF İSTANBUL**
Akkoyunlu B. O.
18th World Clean Air Congress, İstanbul, Turkey, 23-27 September 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.24, (Summary Text)
- VIII. **BLACK CARBON EVALUATION IN URBAN SIDE OF İSTANBUL ATMOSPHERE DURING SPRING AND SUMMER SEASON**
Akkoyunlu B. O.
18th World Clean Air Congress, İstanbul, Turkey, 23-27 September 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.74, (Summary Text)
- IX. **ION COMPOSITION OF THE DAILY PM10 SAMPLES COLLECTED AT KIRKLARELI TURKEY**
Akkoyunlu B. O.
18th World Clean Air Congress, İstanbul, Turkey, 23-27 September 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.72, (Summary Text)
- X. **A STUDY OF METALIC COMPOSITION IN THE DAILY PM2.5 SAMPLES AT KIRKLARELI, TURKEY**
N ORUÇ H., ÖZDEMİR H., FLORES RANGEL R. M., SEZEN İ., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
18th WORLD CLEAN AIR CONGRESS 2019, 23 - 27 September 2019, (Full Text)
- XI. **The Impacts of PM10 and SO2 Concentrations on Hospital Admissions for Pneumonia and Chronic Obstructive Pulmonary Disease in Canakkale, Turkey**
BALTAÇI H., ARSLAN H., AKKOYUNLU B. O.
The 32nd European Meeting of Statisticians (EMS), Palermo, Italy, 22 - 26 July 2019, (Summary Text)
- XII. **The Role of Atmospheric Processes Associated With a Flash-Flood Event Over Northwestern Turkey**
BALTAÇI H., AKKOYUNLU B. O., ARSLAN H.
12th HyMeX International Workshop, Split, Croatia, 20 - 23 May 2019, (Summary Text)
- XIII. **Diurnal and seasonal variations of primary and secondary organic carbon at an urban traffic site in Istanbul**

- FLORES RANGEL R. M., Mertoglu E., Pursa A., Özdemir H., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
European Geophysical Union General Assembly 2019, 7 - 12 April 2019, (Summary Text)
- XIV. **Spatiotemporal Variability and Trends of Snowfall in Turkey**
BALTACI H., AKKOYUNLU B. O., TAYANÇ M.
11th International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018, pp.279, (Summary Text)
- XV. **DISTRIBUTION OF SVOCs IN FINE AND COARSE PARTICULATE MATTER IN A TRAFFIC SITE IN THE MEGACITY OF ISTANBU**
FLORES RANGEL R. M., Özdemir H., AKKOYUNLU B. O., ÜNAL A., TAYANÇ M.
18th World Clean Air Congress, Istanbul, Turkey, 23-27 September 2019, 23 September - 27 January 2019
- XVI. **The Influence of Weather-Type on PM10 Levels in Western Turkey**
BALTACI H., AKKOYUNLU B. O., TAYANÇ M.
1st Eurasia Environmental Chemistry Congress, Antalya, Turkey, 1 - 04 November 2018, pp.38, (Summary Text)
- XVII. **Study of Particulate Matter in Kırklareli, Turkey with Meteorological Factors**
FLORES RANGEL R. M., özdemir h., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
10th Better Air Quality Conference 2018, 14 - 16 November 2018, (Summary Text)
- XVIII. **PM 2.5 Analysis and the Determination of PAH Constituents at a Densely Populated Area of Istanbul**
FLORES RANGEL R. M., özdemir h., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
10th Better Air Quality Conference 2018, 14 - 16 November 2018, (Summary Text)
- XIX. **PM2.5 Analysis and the Determination of PAH Constituents at a Densely Populated Area of Istanbul**
FLORES RANGEL R. M., ÖZDEMİR H., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
10th Better Air Quality Conference 2018, 14 - 16 November 2018, (Summary Text)
- XX. **Characterization of Semi-Volatile Organic Compounds in Fine Atmospheric Particles**
Mertoglu E., FLORES RANGEL R. M., Pursa A., Özdemir H., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
3rd International Mediterranean Science and Engineering Congress, 24 - 26 October 2018, (Summary Text)
- XXI. **EGE BÖLGESİNDE JEOTERMAL GRADYAN DAĞILIMI**
BALKAN E., ERKAN K., ŞALK M., AKKOYUNLU B. O., TAYANÇ M.
ULUSLARARASI KATILIMLITÜRKİYE ULUSAL JEODEZİ VE JEOFİZİK BİRLİĞİ BİLİMSEL KONGRESİ, İzmir, Turkey, 30 May - 02 June 2018, (Full Text)
- XXII. **Diurnal Variation of Semi-Volatile Organic Compounds associated to PM2.5 in a traffic-influenced area in Istanbul**
FLORES RANGEL R. M., Nafile Y., Mertoglu E., Özdemir H., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.
European Geophysical Union General Assembly 2018, 8 - 13 April 2018, (Summary Text)
- XXIII. **ISI AKISI ÖLÇÜMLERİ İLE ORTA ANADOLU'DA ÖRTÜLÜ JEOTERMAL SAHALARIN BELİRLENMESİ**
ERKAN K., BALKAN E., AKKOYUNLU B. O., TAYANÇ M.
V. Jeotermal Kaynaklar ve Doğal Mineralli Sular Sempozyumu ve Sergisi, Afyon, Turkey, 21 - 24 February 2018, (Summary Text)
- XXIV. **INVESTIGATION OF CLIMATE CHANGE IN TURKEY BY FOURIER HARMONICS**
AKKOYUNLU B. O., BALTACI H., DOĞRUEL M., TAYANÇ M.
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017, (Summary Text)
- XXV. **Türkiye'de Güncel İklim Değişikliği**
TAYANÇ M., Eren E., Aydın Y., Baltacı H., GÖKTÜRK O. M., ERKAN K., AKKOYUNLU B. O.
VII. Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, Antalya, Turkey, 1 - 03 November 2017, (Full Text)
- XXVI. **DEVELOPMENT OF A DIGITAL DATA TRANSMISSION PORTABLE BOREHOLE TEMPERATURE LOGGING SYSTEM FOR CLIMATOLOGICAL AND GEOTHERMAL STUDIES**
ERKAN K., DOĞRUEL M., AKKOYUNLU B. O., BAYAT F. K., ŞİŞMAN A., BALKAN E., TAYANÇ M.
The 9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 November 2017, (Summary Text)
- XXVII. **DEVELOPMENT OF A DIGITAL DATA TRANSMISSION PORTABLE BOREHOLE TEMPERATURE LOGGING SYSTEM FOR CLIMATOLOGICAL AND GEOTHERMAL STUDIES**
Akkoyunlu B. O.
9th International Symposium on Image Processing, Wavelet and Applications, İstanbul, Turkey, 5 - 08 November 2017,

pp.42, (Summary Text)

XXVIII. HARMONIC ANALYSIS OF TURKISH CLIMATIC SERIES

Akkoyunlu B. O.

9th International Symposium on Image Processing, Wavelet and Applications, 5-8 November 2017, Kars-Turkey, İstanbul, Turkey, 5 - 08 November 2017, pp.41, (Summary Text)

XXIX. TURKIYE'DE GUNCEL IKLİM DEĞİŞİKLİĞİ

TAYANÇ M., EREN E., DİKMEN AYDIN Y., BALTACI H., GÖKTÜRK O. M., ERKAN K., AKKOYUNLU B. O.

VII. ULUSAL HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Antalya, Turkey, 1 - 03 November 2017, pp.17-23, (Full Text)

XXX. STATISTICAL ANALYSIS OF TEMPERATURE AND PRECIPITATION SERIES OF TURKEY

TAYANÇ M., AKKOYUNLU B. O., ERKAN K.

9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 November 2017, (Summary Text)

XXXI. STATISTICAL EVALUATION AND WAVELET ANALYSIS OF WIND SPEED

TAYANÇ M., ERKAN K., AKKOYUNLU B. O., BALTACI H.

9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 November 2017, (Summary Text)

XXXII. YERALTI SICAKLIK KAYITLARINA GÖRE BATI ANADOLU'DA SON YÜZYILDA İKLİM DEĞİŞİKLİĞİ

ERKAN K., AKKOYUNLU B. O., DOĞRUEL M., İnal M. o., BALKAN E., TAYANÇ M.

VII. ULUSAL HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Antalya, Turkey, 1 - 03 November 2017, (Summary Text)

XXXIII. EVALUATION OF A THERMAL DESORPTION METHOD FOR COMPLETE CHARACTERIZATION OF ORGANIC AEROSOLS

GÖK A. E., FLORES RANGEL R. M., ÖZDEMİR H., AKKOYUNLU B. O., DEMİR G., ÜNAL A., TAYANÇ M.

8th Atmospheric Sciences Symposium, 1 - 04 November 2017, (Full Text)

XXXIV. Semi-volatile Organic Aerosol Composition in High-Time Resolved Ambient Air PM2.5 Samples: Preliminary Results

Gök A., FLORES RANGEL R. M., ÖZDEMİR H., AKKOYUNLU B. O., DEMİR G., TAYANÇ M.

2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 8 - 10 May 2017, pp.2998, (Summary Text)

XXXV. The Relationship between Climate Extremes and Teleconnection Patterns over Turkey

Hacılı T., Baltacı H., AKKOYUNLU B. O., TAYANÇ M.

International Sustainability Congress, 1-3 December 2016, 1 - 03 December 2016, (Full Text)

XXXVI. Determination of Total Airborne Bacterial and Escherichia coli in the Rain Water

SESAL N. C., feyiz t., AKKOYUNLU B. O., DEMİR G.

8th International Conference on Image Processing, Wavelet and Applications IWW2016, 22 - 24 September 2016, (Summary Text)

XXXVII. Climate Classification by Signal Processing A Case Study for Turkey

AKKOYUNLU B. O., DOĞRUEL M., TAYANÇ M.

8th International Conference on Image Processing, Wavelet and Applications (IWW2016), İstanbul, Turkey, 22 - 24 September 2016, (Summary Text)

XXXVIII. Fourier Transform of Temperature Series in Detecting Climate Change

AKKOYUNLU B. O., DOĞRUEL M., TAYANÇ M.

8th International Conference on Image Processing, Wavelet and Applications (IWW2016), İstanbul, Turkey, 22 - 24 September 2016, (Summary Text)

XXXIX. 20th Century Climatic Changes in Western Turkey from Borehole Climatologic Records

ERKAN K., TAYANÇ M., AKKOYUNLU B. O., DOĞRUEL M., İnal M. O., BALKAN E.

8th International Conference on Image Processing, Wavelet and Applications (IWW2016), İstanbul, Turkey, 22 - 24 September 2016, (Summary Text)

XL. 20th century climate changes in western Turkey from borehole climatologic records

ERKAN K., TAYANÇ M., AKKOYUNLU B. O., DOĞRUEL M., İnal M. O., BALKAN E.

International Conference on Image Processing, Wavelet and Applications, 22 - 24 September 2016, (Summary Text)

- XLII. **Development of a Digital Output Temperature Probe for Precision Measurements**
ERKAN K., DOĞRUEL M., BAYAT F. K., AKKOYUNLU B. O., TAYANÇ M., BALKAN E., SAVAŞ H.
Geothermal Resources Council Annual Meeting, 20 - 23 September 2015, (Full Text)
- XLIII. **INVESTIGATION OF WET, BULK, AND DRY DEPOSITION CONCENTRATIONS IN KIRKLARELI, TURKEY**
Oruc I., AKKOYUNLU B. O., ERDOĞAN İ.
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.683-688, (Full Text)
- XLIV. **CHEMICAL COMPOSITION OF WET, BULK, AND DRY DEPOSITION IN KIRKLARELI, TURKEY**
Oruc I., AKKOYUNLU B. O., ERDOĞAN İ.
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.559-563, (Full Text)
- XLV. **THE CHEMISTRY OF WET DEPOSITION FLUX IN ISTANBUL, TURKEY**
AKKOYUNLU B. O., Oruc I., TAYANÇ M.
11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.1255-1257, (Full Text)
- XLVI. **A STUDY OF WET DEPOSITION FLUX USING THE SEQUENTIAL SAMPLING TECHNIQUE**
AKKOYUNLU B. O., Degirmi M., Oruc I., TAYANÇ M.
11th International Multidisciplinary Scientific GeoConference, Albena, Bulgaria, 20 - 25 June 2011, pp.1135-1137, (Full Text)
- XLVII. **DESIGN AND MANUFACTURE OF AN AUTOMATIC SEQUENTIAL RAIN SAMPLER: TESTING WITH SUB-EVENTS**
AKKOYUNLU B. O., Tayanc M., DOĞRUEL M., Oruc I.
8th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental Protection, Sofija, Bulgaria, 16 - 20 June 2008, pp.637-639, (Full Text)
- XLVIII. **Modeling of Industrial SO₂ Emissions and Tubras Fire Released During 1999 Earthquake in Gebze-Koceli Turkey.**
AKKOYUNLU B. O., TAYANÇ M.
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- XLIX. **Statistical Analyses of Wet and Bulk Deposition on Different Regions of Istanbul Turkey**
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- L. **Investigation of the Variability SO₂ and PM in the Large City of Turkey.**
AKKOYUNLU B. O., TAYANÇ M., GARİPAĞAOĞLU N.
International Technical Meeting on Air Pollution Modeling and Its Applications., 28 - 30 May 2003, (Full Text)
- L. **ANALYSİS OF WET AND BULK DEPOSITİON İN FOUR DİFFERENT REGİONS OF İSTANBUL, TURKEY**
AKKOYUNLU B. O., TAYANÇ M.
", AGRO-ENVİRON 2002, 3RD INTERNATIONAL SYMPOSIUM ON SUSTAINABLE AGRO-ENVIRONMENTAL SYSTEMS: NEW TECHNOLOGIES AND APPLICATIONS, CAIRO, EGYPT, 26-29 OCTOBER (2002) , 107., 26 - 29 October 2002, (Full Text)

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Editor, 2018 - Continues

Scientific Project Refereeing

TUBITAK Project, 1000 - Üniversitelerin Araştırma ve Geliştirme Potansiyelinin Arttırılmasına Yönelik Destek Programı,

December 2017

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, January 2014

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2013

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2013

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, July 2012

Roles in Event Organizations

Akkoyunlu B. O., 9th International Symposium on Image Processing, Wavelet and Application., Scientific Congress, Kars, Turkey, Kasım 2017

Akkoyunlu B. O., 8th International Conference on Image Processing, Wavelet and Application., Scientific Congress, İstanbul, Turkey, Eylül 2016

Metrics

Publication: 79

Citation (WoS): 226

Citation (Scopus): 244

H-Index (WoS): 7

H-Index (Scopus): 8

Congress and Symposium Activities

Investigation of Climate Change in Turkey by Fourier Harmonics , Attendee, Antalya, Turkey, 2017

EVALUATION OF A THERMAL DESORPTION METHOD FOR COMPLETE CHARACTERIZATION OF ORGANIC AEROSOLS, Attendee, İstanbul, Turkey, 2017

TÜRKİYE'DE SON YARIM ASIRDAKİ İKLİM DEĞİŞİKLİĞİ, Attendee, Antalya, Turkey, 2017

YERALTI SICAKLIK KAYITLARINA GÖRE BATI ANADOLU'DA SON YÜZYILDA İKLİM DEĞİŞİKLİĞİ, Attendee, Antalya, Turkey, 2017

TÜRKİYE'DE GÜNCEL İKLİM DEĞİŞİKLİĞİ, Attendee, Antalya, Turkey, 2017

Semi-volatile Organic Aerosol Composition in High-Time Resolved Ambient Air PM2.5 Samples: Preliminary Results, Attendee, Nevşehir, Turkey, 2017

DETERMINATION OF TOTAL AIRBORNE BACTERIAL AND ESCHERCHIA COLI IN THE RAIN WATER, Attendee, İstanbul, Turkey, 2016

FOURIER TRANSFORM OF TEMPERATURE SERIES IN DETECTING CLIMATE CHANGE, Attendee, İstanbul, Turkey, 2016

CLIMATE CLASSIFICATION BY SIGNAL PROCESSING: A CASE STUDY FOR TURKEY, Attendee, İstanbul, Turkey, 2016

20TH CENTURY CLIMATIC CHANGES IN WESTERN TURKEY FROM BOREHOLE CLIMATOLOGIC RECORDS, Attendee, İstanbul, Turkey, 2016

DETERMINATION OF THE SOURCES AND SCAVENGING COEFFICIENTS OF ATMOSPHERIC PARTICLES, Attendee, İstanbul, Turkey, 2016

ANALYSIS OF WET, BULK AND DRY DEPOSITION CHEMISTRY IN KIRKLARELİ, TURKEY, Attendee, Gabrovo, Bulgaria, 2012

ANALYSIS OF WET, BULK AND DRY DEPOSITION CHEMISTRY IN KIRKLARELİ, TURKEY, Attendee, Gabrovo, Bulgaria, 2012

COMPARISON OF WET, BULK AND DRY DEPOSITION BETWEEN URBAN AND RURAL REGIONS OF KIRKLARELİ, TURKEY, Attendee, Dubai, United Arab Emirates, 2011

A STUDY OF SEQUENTIAL RAIN SAMPLING IN ISTANBUL, TURKEY, Attendee, Gabrovo, Bulgaria, 2011

A STUDY OF WET DEPOSITION FLUX USING THE SEQUENTIAL SAMPLING TECHNIQUE, Working Group, Varna, Bulgaria,

2011

THE CHEMISTRY OF WET DEPOSITION FLUX IN ISTANBUL, TUR, Attendee, Varna, Bulgaria, 2011

SGEM 2008: 8TH INTERNATIONAL SCIENTIFIC CONFERENCE" "DESIGN AND MANUFACTURE OF AN AUTOMATIC SEQUENTIAL RAIN SAMPLER: TESTING WITH SUB-EVENTS, Attendee, Sofija, Bulgaria, 2008

FOUR STORMS WITH SUB-EVENETS: SAMPLING AND ANALYSIS, Working Group, İstanbul, Turkey, 2005

MODELING OF INDUSTRIAL SO₂ EMISSIONS AND TUBRAŞ FIRE RELEASES DURING 1999 EARTHQUAKE IN GEBZE-KOCAELİ, TURKEY, Attendee, İstanbul, Turkey, 2004

STATISTICAL ANALYSIS OF THE WET AND BULK DEPOSITION OF ISTANBUL, TURKEY, Attendee, İstanbul, Turkey, 2004

INVESTIGATION OF THE VARIABILITY OF SO₂ AND PM IN THE LARGE CITIES OF TURKEY, Attendee, Kallithea, Greece, 2003

ANALYSIS OF WET AND BULK DEPOSITION IN FOUR DIFFERENT REGIONS OF ISTANBUL, Working Group, Cairo, Egypt, 2002

ANALYSES AND SOURCE DETERMINATION OF CHEMICAL DEPOSITION IN FIVE DIFFERENT REGIONS OF ISTANBUL, TURKEY, Working Group, Athens, Greece, 2002

ANALYSES AND SOURCE DETERMINATION OF CHEMICAL DEPOSITION IN FIVE DIFFERENT REGIONS OF ISTANBUL, TURKEY, Working Group, Kallithea, Greece, 2002

ANALYSES OF BULK AND SUB-EVENT WET DEPOSITION IN GEBZE, Working Group, İstanbul, Turkey, 2001

Non Academic Experience

Marmara Üniversitesi Fen Edebiyat Fakültesi, Öğretim Üyesi