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### Kişisel Bilgiler

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### Yönetilen Tezler

KOÇAK M., A 15-year climatology of aerosol optical and physical properties and near-real time measurements of water-soluble ions in pm2.5 and their precursor gases in the atmosphere over the eastern mediterranean., Doktora, E.TUTSAK(Öğrenci), 2018

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optical and microphysical properties of the columnar Aerosol burden over the Eastern Mediterranean: Discrimination of Aerosol types**  
Tutsak E., KOÇAK M.  
ATMOSPHERIC ENVIRONMENT, cilt.229, 2020 (SCI İndekslerine Giren Dergi)
- II. **A new exposure route to trace elements in indoor particulate matter.**  
Broomandi P., Amouei T., Akturk M., Ngagine S., Gorjinezhad S., Ozturk F., Kocak M., Kim J.  
Indoor air, 2019 (SCI İndekslerine Giren Dergi)
- III. **High time-resolved measurements of water-soluble sulfate, nitrate and ammonium in PM2.5 and their precursor gases over the Eastern Mediterranean**  
Tutsak E., KOÇAK M.  
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.672, ss.212-226, 2019 (SCI İndekslerine Giren Dergi)
- IV. **Long-term measurements of aerosol optical and physical properties over the Eastern Mediterranean: Hygroscopic nature and source regions**  
Tutsak E., KOÇAK M.  
ATMOSPHERIC ENVIRONMENT, cilt.207, ss.1-15, 2019 (SCI İndekslerine Giren Dergi)
- V. **Atmospheric water-soluble organic nitrogen (WSON) in the eastern Mediterranean: origin and ramifications regarding marine productivity**  
Nehir M., KOÇAK M.  
ATMOSPHERIC CHEMISTRY AND PHYSICS, cilt.18, sa.5, ss.3603-3618, 2018 (SCI İndekslerine Giren Dergi)
- VI. **Atmospheric Deposition of Macronutrients (Dissolved Inorganic Nitrogen and Phosphorous) onto the Black Sea and Implications on Marine Productivity\***  
KOÇAK M., Mihalopoulos N., Tutsak E., Violaki K., Theodosi C., Zarrmpas P., Kalegeri P.  
JOURNAL OF THE ATMOSPHERIC SCIENCES, cilt.73, sa.4, ss.1727-1739, 2016 (SCI İndekslerine Giren Dergi)
- VII. **PM10 and PM2.5 composition over the Central Black Sea: origin and seasonal variability**  
KOÇAK M., Mihalopoulos N., Tutsak E., Theodosi C., Zarrmpas P., Kalegeri P.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.22, sa.22, ss.18076-18092, 2015 (SCI İndekslerine Giren Dergi)
- VIII. **Solubility of Atmospheric Nutrients over the Eastern Mediterranean: Comparison between Pure-Water and Sea-Water, Implications Regarding Marine Production**  
Kocak M.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, cilt.15, sa.1, ss.59-71, 2015 (SCI İndekslerine Giren Dergi)

- IX. Influence of mineral dust transport on the chemical composition and physical properties of the Eastern Mediterranean aerosol**  
KOÇAK M., Theodosi C., Zarmpas P., Seguret M. J. M. , Herut B., Kallos G., Mihalopoulos N., Kubilay N., Nimmo M.  
ATMOSPHERIC ENVIRONMENT, cilt.57, ss.266-277, 2012 (SCI İndekslerine Giren Dergi)
- X. Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature**  
Im U., Markakis K., KOÇAK M., Gerasopoulos E., Daskalakis N., Mihalopoulos N., Poupkou A., Kindap T., Ünal A., Kanakidou M.  
ATMOSPHERIC ENVIRONMENT, cilt.50, ss.164-173, 2012 (SCI İndekslerine Giren Dergi)
- XI. Particulate matter (PM10) in Istanbul: Origin, source areas and potential impact on surrounding regions**  
Kocak M., Theodosi C., Zarmpas P., Im U., Bougiatioti A., Yenigun O., Mihalopoulos N.  
ATMOSPHERIC ENVIRONMENT, cilt.45, sa.38, ss.6891-6900, 2011 (SCI İndekslerine Giren Dergi)
- XII. Iron solubility in crustal and anthropogenic aerosols: The Eastern Mediterranean as a case study**  
Seguret M. J. M. , KOÇAK M., Theodosi C., Ussher S. J. , Worsfold P. J. , Herut B., Mihalopoulos N., Kubilay N., Nimmo M.  
MARINE CHEMISTRY, cilt.126, ss.229-238, 2011 (SCI İndekslerine Giren Dergi)
- XIII. Megacities as hot spots of air pollution in the East Mediterranean**  
Kanakidou M., Mihalopoulos N., Kindap T., Im U., Vrekoussis M., Gerasopoulos E., Dermitzaki E., Ünal A., Kocak M., Markakis K., et al.  
ATMOSPHERIC ENVIRONMENT, cilt.45, sa.6, ss.1223-1235, 2011 (SCI İndekslerine Giren Dergi)
- XIV. Atmospheric nutrient inputs to the northern levantine basin from a long-term observation: sources and comparison with riverine inputs**  
Koçak M., Kubilay N., TUĞRUL S., Mihalopoulos N.  
BIOGEOSCIENCES, cilt.7, sa.12, ss.4037-4050, 2010 (SCI İndekslerine Giren Dergi)
- XV. Long term atmospheric nutrient inputs to the Eastern Mediterranean sources solubility and comparison with riverine inputs**  
KOÇAK M., KUBİLAY N., TUĞRUL S., Nikos M.  
Biogeosciences Discussions, cilt.7, ss.5081-5117, 2010 (SCI Expanded İndekslerine Giren Dergi)
- XVI. Origin and source regions of PM10 in the Eastern Mediterranean atmosphere**  
KOÇAK M., Mihalopoulos N., Kubilay N.  
ATMOSPHERIC RESEARCH, cilt.92, sa.4, ss.464-474, 2009 (SCI İndekslerine Giren Dergi)
- XVII. Variability in regional background aerosols within the Mediterranean**  
Querol X., Alastuey A., Pey J., Cusack M., Perez N., Mihalopoulos N., Theodosi C., Gerasopoulos E., Kubilay N., KOÇAK M.  
ATMOSPHERIC CHEMISTRY AND PHYSICS, cilt.9, sa.14, ss.4575-4591, 2009 (SCI İndekslerine Giren Dergi)
- XVIII. Chemical composition of the fine and coarse fraction of aerosols in the northeastern Mediterranean**  
Kocak M., Mihalopoulos N., Kubilay N.  
ATMOSPHERIC ENVIRONMENT, cilt.41, sa.34, ss.7351-7368, 2007 (SCI İndekslerine Giren Dergi)
- XIX. Contributions of natural sources to high PM10 and PM2.5 events in the eastern Mediterranean**  
Kocak M., Mihalopoulos N., Kubilay N.  
ATMOSPHERIC ENVIRONMENT, cilt.41, sa.18, ss.3806-3818, 2007 (SCI İndekslerine Giren Dergi)
- XX. Airborne desert dust and aeromicrobiology over the Turkish Mediterranean coastline**  
Griffin D. W. , Kubilay N., Kocak M., Gray M. A. , Borden T. C. , Shinn E. A.  
ATMOSPHERIC ENVIRONMENT, cilt.41, sa.19, ss.4050-4062, 2007 (SCI İndekslerine Giren Dergi)
- XXI. Trace metal solid state speciation in aerosols of the Northern Levantine basin, East Mediterranean**  
Kocak M., Kubilay N., Herut B., Nimmo M.  
JOURNAL OF ATMOSPHERIC CHEMISTRY, cilt.56, sa.3, ss.239-257, 2007 (SCI İndekslerine Giren Dergi)
- XXII. Dry atmospheric fluxes of trace metals (Al, Fe, Mn, Pb, Cd, Zn, Cu) over the Levantine Basin: A refined assessment**  
Kocak M., Kubilay N., Herut B., Nimmo M.

- ATMOSPHERIC ENVIRONMENT, cilt.39, sa.38, ss.7330-7341, 2005 (SCI İndekslerine Giren Dergi)
- XXIII. **Seasonal variability of optical properties of aerosols in the Eastern Mediterranean**  
Vrekoussis M., Liakakou E., Kocak M., Kubilay N., Oikonomou K., Sciare J., Mihalopoulos N.  
ATMOSPHERIC ENVIRONMENT, cilt.39, sa.37, ss.7083-7094, 2005 (SCI İndekslerine Giren Dergi)
- XXIV. **Ground-based assessment of Total Ozone Mapping Spectrometer (TOMS) data for dust transport over the northeastern Mediterranean**  
Kubilay N., Oguz T., Kocak M., Torres O.  
GLOBAL BIOGEOCHEMICAL CYCLES, cilt.19, sa.1, 2005 (SCI İndekslerine Giren Dergi)
- XXV. **Ionic composition of lower tropospheric aerosols at a Northeastern Mediterranean site: implications regarding sources and long-range transport**  
Kocak M., Kubilay N., Mihalopoulos N.  
ATMOSPHERIC ENVIRONMENT, cilt.38, sa.14, ss.2067-2077, 2004 (SCI İndekslerine Giren Dergi)
- XXVI. **Spatio-temporal aerosol trace metal concentrations and sources in the Levantine Basin of the Eastern Mediterranean**  
Kocak M., Nimmo M., Kubilay N., Herut B.  
ATMOSPHERIC ENVIRONMENT, cilt.38, sa.14, ss.2133-2144, 2004 (SCI İndekslerine Giren Dergi)
- XXVII. **Atmospheric deposition of inorganic phosphorus in the Levantine Basin, eastern Mediterranean: Spatial and temporal variability and its role in seawater productivity**  
Markaki Z., Oikonomou K., Kocak M., Kouvarakis G., Chaniotaki A., Kubilay N., Mihalopoulos N.  
LIMNOLOGY AND OCEANOGRAPHY, cilt.48, sa.4, ss.1557-1568, 2003 (SCI İndekslerine Giren Dergi)
- XXVIII. **Influence of Black Sea and local biogenic activity on the seasonal variation of aerosol sulfur species in the eastern Mediterranean atmosphere**  
Kubilay N., Kocak M., Cokacar T., Oguz T., Kouvarakis G., Mihalopoulos N.  
GLOBAL BIOGEOCHEMICAL CYCLES, cilt.16, sa.4, 2002 (SCI İndekslerine Giren Dergi)

## **Kitap & Kitap Bölümleri**

- I. **Atmospheric Input of Inorganic Macro-Nutrients in the EasternMediterranean: Ramifications Regarding Marine Productivity**  
KOÇAK M.  
The Turkish Part of the Mediterranean Sea Marine Biodiversity Fisheries Conservation and Governance, Turan, C., Salihoglu, B., Özgür Özbek, E., Öztürk, B., Editör, Turkish Marine Research Foundation, ss.30-38, 2016

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **ATMOSPHERIC WATER-SOLUBLE ORGANIC NITROGEN (WSON) IN THE EASTERN MEDITERRANEAN: ORIGIN AND IMPLICATIONS CONSIDERING MARINE PRODUCTIVITY**  
KOÇAK M.  
INTERNATIONAL İSKENDERUN BAY SYMPOSIUM, 11 - 13 Ekim 2017
- II. **Doğu Akdeniz de Atmosferik Azot Denizsel Üretime Etkisi**  
Nehir M., KOÇAK M.  
Türkiye Deniz Bilimleri Konferansı, Türkiye, 31 Mayıs - 03 Haziran 2016
- III. **Hava Kütleri Geri Yörüngelerinin Kümeleme Analiz Metotlarının Doğruluğunun Değerlendirilmesi ve Doğu Akdeniz Atmosferinde Aerosol Kimyasal Kompozisyonu ve Optik Özellikleri Üzerine Etkisi**  
Tutsak E., KOÇAK M.  
Türkiye Deniz Bilimleri Konferansı, Türkiye, 31 Mayıs - 03 Haziran 2016
- IV. **Doğu Akdeniz Atmosferik Aerosollerinde İz Metaller Türleştirmeye ve Deniz Üretimi Üzerine Etkileri**  
Gültekin Y., KOÇAK M.  
Türkiye Deniz Bilimleri Konferansı, Türkiye, 31 Mayıs - 03 Haziran 2016

**V. Interactions of cholesterol reducing agent simvastatin with neutral DPPC and DMPC multilamellar liposomes**

Kocak M., Severcan F.

51st Annual Meeting of the Biophysical-Society, Maryland, Amerika Birleşik Devletleri, 3 - 07 Mart 2007

**VI. Concentration and chemical composition of PM2.5 and PM10-2.5 in the Northeastern Mediterranean**

Kubilay N., KOÇAK M., Mihalopoulos N.

NATO Advanced Research Workshop on Regional Climate Variability and its Impacts in the Mediterranean Area, Marrakech, Fas, 01 Eylül 2006, cilt.79, ss.167-169

## **Desteklenen Projeler**

SALİHOĞLU B., ÖZHAN K., AKÇAY İ., KARAHAN A., UYSAL Z., AKOĞLU E., TUĞRUL S., GÜCÜ A. C. , KIDEYŞ A. E. , YÜCEL M., et al, Yükseköğretim Kurumları Destekli Proje, Erdemli Zaman Serisi Deniz Araştırmaları 2018, 2018 - 2019

## **Atıflar**

Toplam Atıf Sayısı (WOS):1460

h-indeksi (WOS):19