

Asst. Prof. DERYA DENİZ GENÇ TOKGÖZ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey
2006 - 2013

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering,
Turkey 2003 - 2005

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering,
Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Türkiye'nin kuzeybatısındaki aerosol kompozisyonunun zamansal değişimi, Middle East Technical University,
Faculty Of Engineering, Department Of Environmental Engineering, 2013

Postgraduate, Short and long term variations in the concentrations of gaseous and particulate pollutants in Ankara and
assessment of traffic contribution, Middle East Technical University, Faculty Of Engineering, Department Of
Environmental Engineering, 2005

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2020 - Continues

Researcher, University of Qatar, Center for Advanced Materials, 2014 - 2016

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering,
2004 - 2013

Researcher, Georgia Institute of Technology, School of Civil and Environmental Engineering, 2010 - 2011

Courses

Air Pollution Control, Undergraduate, 2020 - 2021
Desing Project II, Undergraduate, 2020 - 2021
Engineering Mechanics, Undergraduate, 2020 - 2021
Desing Project I, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Untreated municipal solid waste incineration ashes for cement replacement**
Tokgoz D. D., Ozerkan N. G., Antony S. J.
Journal of Engineering Research (Kuwait), vol.11, no.3, pp.34-39, 2023 (SCI-Expanded)
- II. **Whole-Field Stress Sensing and Multiscale Mechanics for Developing Cement-Based Composites Containing Recycled Municipal Granular Wastes**
Antony S. J., Okeke G., Tokgoz D. D., Ozerkan N. G.
SUSTAINABILITY, vol.13, no.2, 2021 (SCI-Expanded)
- III. **Photonics and fracture toughness of heterogeneous composite materials**
Antony S. J., Okeke G., Tokgoz D. D., Ozerkan N. G.
SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)
- IV. **Strength and Durability of Composite Concretes with Municipal Wastes**
Tokgoz D. D., Ozerkan N. G., Kowita O. S., Antony S. J.
ACI MATERIALS JOURNAL, vol.113, no.5, pp.669-678, 2016 (SCI-Expanded)
- V. **Ionic composition of aerosols at Northwestern Turkey**
Tokgoz D. D., Dogan G., Ilhan A. I., Balta T., Tuncel G.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.7, no.2, pp.161-172, 2015 (SCI-Expanded)
- VI. **Air pollution forecasting in Ankara, Turkey using air pollution index and its relation to assimilative capacity of the atmosphere**
Genc D. D., Yesilyurt C., Tuncel G.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.166, pp.11-27, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Assessment of microstructural and mechanical properties of hybrid fibrous self-consolidating concretes using ingredients of plastic wastes**
Ozerkan N., Tokgoz D. D., Kowita O., Antony S.
Nature Environment and Pollution Technology, vol.15, no.4, pp.1161-1168, 2016 (Scopus)

Books & Book Chapters

- I. **Hava Kirliliği Ölçüm ve İzleme Sistemleri**
DOĞAN G., BALCILAR İ., KOÇAK E., TEPE A. M., GENÇ TOKGÖZ D. D.
in: Hava Kirliliği, TUNCEL SÜLEYMAN GÜRDAL, ATİMTAY AYSEL, Editor, Nobel Akademik Yayıncılık, Ankara, pp.199-273, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **PM10 Mass Concentration and Long-Range Potential Source Contributions at the Eastern Black Sea Atmosphere during the Summer Season**
Gündem S., GENÇ TOKGÖZ D. D., DEMİRARSLAN K. O., ÖZTÜRK F.
Eleventh International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2024) and SECOTOX Conference, Iefkada, Greece, 16 - 20 June 2024
- II. **IDENTIFICATION OF ATMOSPHERIC TRANSPORT PATTERNS OVER TURKEY'S EASTERN BLACK SEA REGION**
GENÇ TOKGÖZ D. D., Gündem S.
15. National 3. International Environmental Engineering Congress, online, Turkey, 23 - 25 November 2023
- III. **K-MEANS CLUSTERING OF HYSPLIT BACK TRAJECTORIES SIMULATED WITH DIFFERENT MODEL INPUTS-A CASE STUDY**
Doğrusever F., GENÇ TOKGÖZ D. D.
15. National 3. International Environmental Engineering Congress, online, Turkey, 23 - 25 November 2023
- IV. **Local and distant sources affecting chemical composition of particles at the western Black Sea atmosphere.**
GENÇ TOKGÖZ D. D., DOĞAN G., TUNCEL S. G.
Tenth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference, Skiathos Island, Greece, 05 June 2023
- V. **Comparison of HYSPLIT back trajectories simulated with different meteorological inputs**
GENÇ TOKGÖZ D. D., Doğrusever F.
Tenth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference, Skiathos Island, Greece, 05 June 2023
- VI. **Sensitivity of HYSPLIT Back Trajectory Clustering to Meteorological Inputs**
GENÇ TOKGÖZ D. D., Doğrusever F.
10th International Symposium on Atmospheric Sciences (ATMOS22), İstanbul, Turkey, 18 October 2022
- VII. **Determination of Sensitivity of Back Trajectories by Using Reanalysis and GDAS Meteorology Archive**
Doğrusever F., Genç Tokgöz D. D.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.475
- VIII. **Autogenous Self-Healing in Municipal Waste Incorporated Concretes**
Genç Tokgöz D. D.
International Conference on Energy, Environment, and Storage of Energy (ICEESEN 2020), Kayseri, Turkey, 19 - 21 November 2020, pp.585-590
- IX. **Utilization of municipal solid waste incineration residues in portland cement mortars**
Genç Tokgöz D. D.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 10 October 2020, pp.2
- X. **Determination of long range potential source regions of anthropogenic substances in the Black Sea coast of Turkey**
DOĞAN G., KARAKAŞ D., TUNCEL S. G., GENÇ TOKGÖZ D. D.
European Geosciences Union General Assembly 2008, VIYANA, Austria, 13 - 18 April 2008, vol.10
- XI. **Batı Karadeniz Aerosolunun Zamansal Değişiminin Değerlendirilmesi**
Genç Tokgöz D. D., Balcılar İ., İlhan A. İ., Balta T., Tuncel G.
VIII. Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, Antalya, Türkiye, Antalya, Turkey, 1 - 03 November 2017, pp.220-231
- XII. **BATI KARADENİZ AEROSOLUNUN ZAMANSAL DEĞİŞİMİNİN DEĞERLENDİRİLMESİ**
GENÇ TOKGÖZ D. D., BALCILAR İ., İlhan A. İ., Balta T., TUNCEL S. G.
VII. ULUSAL HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Antalya, Turkey, 1 - 03 November 2017, pp.220-231
- XIII. **Application of photonics in determining the strength characteristics of composite concretes**
Antony J., Okeke G., Genç Tokgöz D. D., Ozerkan N. G.
37th Cement and Concrete Science Conference, London, United Kingdom, 11 - 12 September 2017, pp.146-149

- XIV. **Sensing Mechanical Properties of Rocks and Beams using Photo Stress Analysis**
Antony J., Ozerkan N. G., Olugbenga A., Okeke G., Genç Tokgöz D. D.
11th International Conference on Advances in Experimental Mechanics, Exeter, United Kingdom, 5 - 07 September 2016, pp.1-2
- XV. **Chemical Composition of Atmospheric Aerosol at the Western Black Sea Atmosphere**
GENÇ TOKGÖZ D. D., BALCILAR İ., DOĞAN G., Ali Ihsan I., Balta T., TUNCEL S. G.
1st International Black Sea Congress on Environmental Sciences, Giresun, Turkey, 31 August - 03 September 2016, pp.27
- XVI. **Experimental study on fiber reinforced self-consolidating concrete with polyethylene wastes**
Genç Tokgöz D. D., Ozerkan N. G.
Structural Faults and Repair-2016,, Edinburgh, United Kingdom, 17 - 19 May 2016, pp.1-7
- XVII. **Durability and microstructure of cement composites containing Qatar's municipal wastes**
GENÇ TOKGÖZ D. D., Ozerkan N. G., Kowita O. S., Antony S. J.
Qatar Foundation Annual Research and Conference (ARC2016), DOHA, Qatar, 22 - 24 April 2016
- XVIII. **Characterization of Qatar Municipal Waste Fly Ash and Its Reuse in Cementitious Composites**
Genç Tokgöz D. D., Ozerkan N. G., Antony S.
2nd International Conference on Green Chemical Engineering Technology (GCET2015), Melaka, Malaysia, 24 - 25 November 2015, pp.18-19
- XIX. **Mechanical Performance of Self Consolidating Concrete containing Plastic Waste Particles**
Ozerkan N. G., GENÇ TOKGÖZ D. D., Kowita O. S., Antony S. J.
Third International Conference on Advances In Civil, Structural and Environmental Engineering- ACSEE 2015, Zürich, Switzerland, 10 - 11 October 2015, pp.171-176
- XX. **Diurnal and Seasonal Variation of Black Carbon Concentrations in the Urban Location of Yalova**
CIVAN M., YURDAKUL S., GENÇ TOKGÖZ D. D.
2nd international Conference on Environmental Science and Technology – 2014 (ICOEST'2014 - Side), Antalya, Turkey, 14 - 17 May 2014, pp.408-409
- XXI. **TÜRKİYE'NİN KUZEYBATISINDA PARTİKÜL MADDE KİRLİLİĞİ VE KİRLLETİCİ KAYNAKLARININ EPA PMF İLE BELİRLENMESİ**
GENÇ TOKGÖZ D. D., DOĞAN G., TUNCEL S. G.
ULUSLARARASI KATILIMLI V. HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Eskişehir, Turkey, 18 - 20 September 2013, pp.162-170
- XXII. **TEMPORAL VARIATION IN CHEMICAL COMPOSITION OF LOWER TROPOSPHERIC AEROSOLS AT NORTHWESTERN TURKEY**
GENÇ TOKGÖZ D. D., DOĞAN G., TUNCEL S. G.
AIR QUALITY MANAGEMENT at URBAN, REGIONAL and GLOBAL SCALES, 4th International Symposium and IUAPPA Regional Conference, İstanbul, Turkey, 10 - 13 September 2012
- XXIII. **IONIC COMPOSITION OF AEROSOLS IN NORTHWESTERN TURKEY**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
Global Conference on Global Warming (GCGW-2012), İstanbul, Turkey, 8 - 12 July 2012, pp.735-740
- XXIV. **Sensitivity of Air Quality to Meteorological Inputs in Forest Fire Simulations**
Menendez F. G., GENÇ TOKGÖZ D. D., Hu Y., Odman T.
14th Conference on Atmospheric Chemistry, NEW ORLEANS, United States Of America, 22 - 26 January 2012
- XXV. **Cluster Analysis of Back Trajectories Arriving in Northwestern Turkey and Chemical Composition of Aerosols**
Genç Tokgöz D. D., Tuncel G.
9. Ulusal Çevre Mühendisliği Kongresi, Samsun, Turkey, 5 - 08 October 2011, pp.280-284
- XXVI. **GERİ YÖRÜNGE HAREKETLERİNİN KÜMELEME ANALİZİ VE TÜRKİYE'NİN KUZEYBATISINDA ÖLÇÜLEN AEROSOLLERİN KİMYASAL KOMPOZİSYONUNA ETKİSİ**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
9. Ulusal Çevre Mühendisliği Kongresi, Samsun, Turkey, 5 - 08 October 2011, pp.280-284
- XXVII. **Analysis of Vertical Fire Emissions Distribution in CMAQ**

- Menendez F. G., GENÇ TOKGÖZ D. D., Odman T.
10th Annual CMAS Conference, North Carolina, United States Of America, 24 - 26 September 2011
- XXVIII. **TÜRKİYE’NİN KUZEYBATISINDA ÖLÇÜLEN AEROSOLLERİN İYONİK KOMPOZİSYONU**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
ULUSLARARASI KATILIMLI I. METEOROLOJİ KONGRESİ, Ankara, Turkey, 27 - 28 May 2010, pp.1-9
- XXIX. **Trajectory clustering for long range transport of aerosols in Northwestern Turkey**
Genç Tokgöz D. D., Tuncel G.
Global Conference on Global Warming 2009, İstanbul, Turkey, 5 - 09 July 2009, pp.1154-1161
- XXX. **SİNOPTİK ÖLÇEKTEKİ HAVA HAREKETLERİNİN TÜRKİYE’NİN KUZEYBATISINDA ÖLÇÜLEN PARTİKÜLER MADDE ÜZERİNE OLASI ETKİLERİNİN ÖN DEĞERLENDİRMESİ**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
Hava Kirliliği ve Kontrolü Ulusal Sempozyumu-2008, 22-25 Ekim 2008, HATAY, Hatay, Turkey, 22 - 25 October 2008, pp.741-749
- XXXI. **Investigation of Chemical Composition and Sources of Atmospheric Aerosols at a Rural Area over Northwestern Turkey**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
European Geosciences Union General Assembly 2008, VİYANA, Australia, 13 - 18 April 2008, vol.10
- XXXII. **Türkiye’nin Kuzeybatısındaki Partiküler Madde Kompozisyonunun İçeriği**
GENÇ TOKGÖZ D. D., TUNCEL S. G.
7. Ulusal Çevre Mühendisliği Kongresi, İzmir, Turkey, 24 - 27 October 2007, pp.120-125
- XXXIII. **ANKARA’DAKİ HAVA KİRLİLİĞİNİN ZAMANSAL VE MEKANSAL DEĞİŞİMİ**
GENÇ TOKGÖZ D. D., Yeşilyurt C., Bayar B., TUNCEL S. G.
6. Ulusal Çevre Mühendisliği Kongresi, İstanbul, Turkey, 24 - 26 November 2005, pp.76-81
- XXXIV. **EFFECTS OF METEOROLOGY ON ANKARA AIR QUALITY**
GENÇ TOKGÖZ D. D., Yeşilyurt C., Bayar B., TUNCEL S. G.
3rd International Symposium on Air Quality Management at Urban, Regional, and Global Scales (AQM2005), İstanbul, Turkey, 26 - 30 September 2005, pp.385-392
- XXXV. **Assessment of Traffic Contribution on Ankara Air Quality**
GENÇ TOKGÖZ D. D., Yeşilyurt C., Bayar B., TUNCEL S. G.
First International Conference on Air Pollution and Combustion, Ankara, Turkey, 22 - 25 June 2005
- XXXVI. **SHORT AND LONG TERM VARIATIONS IN THE CONCENTRATIONS OF GASEOUS AND PARTICULATE POLLUTANTS IN ANKARA AND ASSESSMENT OF TRAFFIC CONTRIBUTION**
GENÇ TOKGÖZ D. D., Yeşilyurt C., Bayar B., TUNCEL S. G.
4th Aegean Analytical Chemistry Days, Aydın, Turkey, 29 September - 03 October 2004, pp.99-101

Supported Projects

GENÇ TOKGÖZ D. D., ÖZTÜRK F., TUNCEL G., ASLAN KILAVUZ S., DOĞAN G., DEMİRARSLAN K. O., ASLANOĞLU S. Y.,
Project Supported by Higher Education Institutions, Doğu Karadeniz Bölgesindeki Atmosferik Parçacıkların Kimyasal Karakterinin Kirlenici Kaynaklarının ve Kaynak Bölgelerinin Belirlenmesi (121Y417 Nolu Tübitak Projesi Ek Bütçe Desteği), 2022 - 2024

GENÇ TOKGÖZ D. D., Project Supported by Higher Education Institutions, HYSPLIT Geri Yörünge Analizinde Meteoroloji Arşivi ve Dikey Hareket Hesaplama Metodları için Hassasiyet Analizi, 2020 - 2022

Metrics

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