

## Res. Asst. Vildan Zülal SÖNMEZ

### Personal Information

**Birthyear:** 1990

**Place of birth:** Üsküdar

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### Education Information

Doctorate, İstanbul Üniversitesi-Cerrahpaşa, Eğitim Bilimleri Enstitüsü, Çevre Mühendisliği A.B.D., Turkey 2017 - Continues

Post Graduate, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, Turkey 2013 - 2016

Under Graduate, İstanbul Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2008 - 2012

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Post Graduate, Elektrodializ Yöntemi ile Arıtılmış Tekstil Endüstrisi Atıksularında Akut Toksikite Seviyesinin Belirlenmesi, İstanbul Üniversitesi, Çevre Mühendisliği, Çevre Mühendisliği, 2016

### Research Areas

Environmental Engineering, Environmental Sciences, Life Sciences, Environmental Biology, Ecotoxicology, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, İstanbul University-Cerrahpaşa, Faculty of Engineering, Department of Environmental Engineering, 2019 - Continues

Research Assistant, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, 2014 - Continues

Research Assistant, Düzce Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği, 2014 - 2014

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Microplastic contamination in surface waters of the Küçükçekmece Lagoon, Marmara Sea (Turkey): Sources and areal distribution**  
Faruk Çullu A., Sönmez V. Z. , Sivri N.  
Environmental Pollution, vol.268, 2021 (Journal Indexed in SCI Expanded)
- II. **Change of Acute Toxicity of Dyestuff Wastewaters**

SÖNMEZ V. Z. , SİVRİ N.

POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.29, pp.491-498, 2020 (Journal Indexed in SCI)

III. **QUALITY ASSESSMENT AND CHEMICAL COMPOSITION OF SURFACE WATER IN THE AKCADAG BASIN (MALATYA), TURKEY: A CASE STUDY FOR IRRIGATION AND DRINKING PURPOSES**

Kosal-Sahin S, SİVRİ N., ALVER ŞAHİN Ü, SÖNMEZ V. Z. , Şeker D. Z.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.895-901, 2019 (Journal Indexed in SCI)

IV. **Potential impacts of oil spill damage around the planned oil rigs at the Black Sea**

BAŞAR E., SİVRİ N., Ugurlu O., SÖNMEZ V. Z.

INDIAN JOURNAL OF GEO-MARINE SCIENCES, vol.47, pp.2198-2206, 2018 (Journal Indexed in SCI)

V. **THE POTENTIAL PHYSICAL IMPACTS OF MACRO/MICROPLASTICS ON ISTANBUL COASTAL AREA**

Sivri N., Sönmez V. Z. , Özcan H. K. , Çullu A. F.

Fresenius Environmental Bulletin, vol.26, pp.208-215, 2017 (Journal Indexed in SCI)

VI. **Culturable airborne bacteria and isolation of methicillin-resistant coagulase-negative staphylococci from outdoor environments on European side of Istanbul, Turkey**

Sivri N., Bagcigil A. F. , Metiner K., Şeker D. Z. , Orak S., Durak S. G. , Sonmez V. Z.

Archives of Environmental Protection, vol.42, pp.77-86, 2016 (Journal Indexed in SCI Expanded)

VII. **Applying Artificial Neural Networks for The Estimation of Chlorophyll-a Concentration in Istanbul Coast**

Şamlı R., Sivri N., Sevgen S., Sönmez V. Z.

Polish Journal Of Environmental Studies, vol.23, pp.1281-1287, 2014 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

I. **The Toxic Effects of Commonly Used Antibiotics in Turkey on Aquatic Organisms**

Sönmez V. Z. , Sivri N.

Journal of Anatolian Environmental and Animal Sciences, vol.5, pp.154-160, 2020 (International Refereed University Journal)

II. **Interlaboratory Precision of Acute Toxicity Tests Using Reference Toxicant Formaldehyde**

SÖNMEZ V. Z. , SİVRİ N.

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.1, no.3, pp.96-99, 2016 (International Refereed University Journal)

III. **Determination of The Toxicity of Different Discharge Waters using Acute Toxicity Tests Approved for National Pollutant Discharge Permit in Turkey**

SÖNMEZ V. Z. , SİVRİ N., DÖKMECİ A. H.

Biosci Biotech Res Asia, vol.13, no.2, pp.1-8, 2016 (Refereed Journals of Other Institutions)

IV. **The Importance of Individual and Territorial Differences on Water Footprint Calculations**

SİVRİ N., KİREMİTÇİ V. Z. , Balçık B., Demir M., Saydam A. C.

Journal of Geography, Environment and Earth Science International, vol.4, pp.1-11, 2015 (Refereed Journals of Other Institutions)

## Books & Book Chapters

I. **3rd International Conference on Recycling and Reuse, R&R 2016 Abstract Book**

AYDIN M. İ. , YÜZER B., YİĞİT HUNCE S., SÖNMEZ V. Z.

Istanbul University, İstanbul, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Monitoring the abundance of microplastic debris in Connection Area of Kucukcekmece Lagoon**  
SÖNMEZ V. Z. , Çullu A. F. , SİVRİ N.  
4th Eurasian Conference on Civil and Environmental Engineering, IV.ECOCEE, İstanbul, Turkey, 17 - 18 June 2019, vol.1, no.1, pp.1
- II. **Potential ecotoxicological impact of personal care products on aquatic system: Küçükçekmece Lagoon**  
SÖNMEZ V. Z. , Akbulut S., Varbil M., Sandıkcı G., SİVRİ N.  
4th Eurasian Conference on Civil and Environmental Engineering, IV.ECOCEE, İstanbul, Turkey, 17 - 18 June 2019, vol.1, no.1, pp.1
- III. **The Importance of Method Preference to Investigate the Toxic Effects of Antibiotics in Hospital Wastewater**  
SÖNMEZ V. Z. , SİVRİ N.  
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB 2018), 26 - 30 June 2018, vol.1, no.1, pp.45
- IV. **Interdisciplinary Approach on Monitoring of Coastal Areas; The Availability of Unmanned Aerial Vehicles (UAV) in the Marmara Sea**  
Kahraman A. C. , SÖNMEZ V. Z. , AZAZ D., SİVRİ N.  
International Water and Environment Congress, Bursa, Turkey, 22 - 24 March 2018, vol.1, no.1, pp.1-6
- V. **Importance of Acute Toxicity in Ship-Source Wastewater: Marmara Sea**  
SÖNMEZ V. Z. , Kahraman A. C. , SİVRİ N.  
International Water and Environment Congress, Bursa, Turkey, 22 - 24 March 2018, vol.1, no.1, pp.1-6
- VI. **Comparison of the Endpoints of Acute Toxicity Tests Regarding Turkey Regulations**  
SÖNMEZ V. Z. , SİVRİ N.  
The 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Rome, Italy, 4 - 06 October 2017, vol.1, no.1, pp.109
- VII. **Object-oriented fuzzy image processing approach to define toxicology level using the genus Daphnia**  
Bayram B., Şeker D. Z. , SÖNMEZ V. Z. , Çatal Reis H., Özdilek O., SİVRİ N.  
The 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Rome, Italy, 4 - 06 October 2017, vol.1, no.1, pp.58
- VIII. **The effect of color parameter in acute toxicity measurements through luminescence inhibition method**  
SÖNMEZ V. Z. , SİVRİ N.  
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Selanik, Greece, 25 - 30 June 2017, vol.1, no.1, pp.1
- IX. **Product Output that can be Carbon-Rich Soil Conditioner via Pyrolysis**  
ÖNGEN A., KARABAĞ N., SÖNMEZ V. Z. , ELMASLAR ÖZBAŞ E., BAYAT D., ELÖNÜ B., SİVRİ N.  
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Selanik, Greece, 25 - 30 June 2017, vol.1, no.1, pp.1
- X. **Assessment of the Acute Toxicity on the Organised Industrial Wastewaters Using Mathematical Modelling**  
Sönmez V. Z. , Şamlı R., Sivri N.  
Ecology 2017, Kayseri, Turkey, 11 - 14 May 2017, pp.53
- XI. **Modeling the toxicity of textile industry wastewater using artificial neural networks**  
Şamlı R., Sönmez V. Z. , Sivri N.  
EBBT - Electric Electronics, Computer Science, Biomedical Engineerings' Meeting, İstanbul, Turkey, 20 - 21 April 2017, pp.1-5
- XII. **Sustainable Tourism In the Scope of Recycling and Reuse: Application in Turkey "Green Star"**  
ELMASLAR ÖZBAŞ E., Özaslan K., SÖNMEZ V. Z. , SİVRİ N.  
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016, pp.269-270
- XIII. **Investigation of the effect on solution toxicity of removal of methylene blue from aqueous solutions**  
ÖZCAN H. K. , SÖNMEZ V. Z. , Balçık B., YİĞİT HUNCE S., ELMASLAR ÖZBAŞ E., SİVRİ N.

3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016, pp.256-257

- XIV. **Determination of the toxicity of different environmental discharge waters using the acute toxicity tests approved for national pollutant discharge permit**  
SİVRİ N., KİREMİTÇİ V. Z. , Dökmeci H.  
13th International Conference on Protection and Restoration of the Environment, Mykonos Island, Greece, 3 - 08 July 2016, vol.1, no.1, pp.1
- XV. **Kompost Ve Biochar: Organik Madde İçeriği Yüksek Katı Atıklardan Üretilen Toprak İyileştiriciler Ve Bunların Ağır Metalle Kirlenmiş Toprakta Kullanım Olanakları**  
ELMASLAR ÖZBAŞ E., ÖZCAN H. K. , KİREMİTÇİ V. Z. , SİVRİ N.  
7. Ulusal Katı Atık Yönetimi Kongresi, Gaziantep, Turkey, 14 - 16 October 2015, pp.529-534
- XVI. **The potential physical impacts of microplastics on Istanbul coastal area**  
SİVRİ N., KİREMİTÇİ V. Z. , ÖZCAN H. K. , ÇULLU A. F.  
18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region MESAEP 2015, Crete, Greece, 26 - 30 September 2015, pp.88
- XVII. **Innovative approaches in Plant Growth: LED and Saharan Desert Dust**  
Saydam A. C. , ELMASLAR ÖZBAŞ E., KİREMİTÇİ V. Z. , SİVRİ N., Varol I. D. , Paralı E. E.  
18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region MESAEP 2015, Crete, Greece, 26 - 30 September 2015, pp.279
- XVIII. **Effect of Municipal Solid Waste (MSW) Compost on Growth of Phaseolus vulgaris**  
ELMASLAR ÖZBAŞ E., KİREMİTÇİ V. Z. , SİVRİ N.  
1st International Congress on Engineering and Natural Sciences (ICENS), Scopje, Macedonia, 15 - 19 May 2015, pp.152
- XIX. **Environmental Effect of Oil Spill from Aftermath Accident around the Planned Oil Rigs at the Black Sea**  
BAŞAR E., SİVRİ N., Uğurlu Ö., KİREMİTÇİ V. Z.  
11th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD15), Tenerife, Canary Islands, Spain, 10 - 12 January 2015, pp.58-66
- XX. **Kıyısız Alanlarda Askıda Katı Madde (AKM) Konsantrasyonunun Biyolojik Etkenlere Bağlı Olarak Zamansal Değişimi**  
SİVRİ N., ÇİLİNGİRTÜRK A. M. , ALTUN A., KİREMİTÇİ V. Z. , TANDOĞAN G., AKBULUT V., AYDIN S.  
Türkiye' nin Kıyı ve Deniz Alanları IX. Ulusal Kongresi, Hatay, Turkey, 1 - 04 November 2012

## Supported Projects

SİVRİ N., BERBER A. N. , SÖNMEZ V. Z. , BALTA D., MERİÇ T., ÇULLU A. F. , CUMBUL ALTAY M., ERCAN N., Project Supported by Higher Education Institutions, Küçükçekmece Lagünü Deniz Bağlantı Alanı Su Kalitesinin Biyolojik ve Toksikolojik Parametreler ile Makro/Mikroplastik Açısından Değerlendirilmesi, 2018 - Continues  
SİVRİ N., SÖNMEZ V. Z. , BERBER A. N. , YILMAZ I., AZAZ D., Project Supported by Higher Education Institutions, İSTANBUL PLAJLARINDA MAKRO VE MESO PLASTİK AMBALAJ ATIKLARININ CBS KULLANILARAK BELİRLENMESİ, 2017 - 2018

## Invited Congress and Symposium Activities

International Congress on Advances in Bioscience and Biotechnology, Attendee, Podgorica, Serbia And Montenegro, 2018

Su ve Çevre Kongresi-Bursa/Türkiye, Attendee, Bursa, Turkey, 2018

III. Marmara Denizi Sempozyumu, Attendee, İstanbul, Turkey, 2017

International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference, Attendee, Thessaloniki, Greece, 2017

Ecology, Attendee, Kayseri, Turkey, 2017

3rd International Conference on Recycling and Reuse, Attendee, İstanbul, Turkey, 2016

13th International Conference on Protection and Restoration of the Environment, Mykonos island, Greece, Attendee, Greece, 2016

II. Marmara Denizleri Sempozyumu, Attendee, Turkey, 2015

18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP), Attendee, Greece, 2015

Uluslararası Mikroalg ve Biyoyakıt Konferansı, Attendee, İstanbul, Turkey, 2015

Güncel Konularıyla Çevre, Session Moderator, İstanbul, Turkey, 2015

1st International Congress on Engineering and Natural Science (ICENS), Attendee, Skopje, Macedonia, 2015

## **Citations**

Total Citations (WOS):8

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