

## Assoc. Prof. ASLIHAN KERÇ

### Personal Information

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### International Researcher IDs

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### Biography

Aslıhan Kerç received her B.Sc. from Istanbul Technical University, M.Sc. from Marmara University and Ph.D. from Boğaziçi University in the field of Environmental Engineering. She is an associate professor at Marmara University and between 2012-2022 she worked as the Project Development and Implementation Coordinator at Turkish Water Institute (SUEN). Her research interests are water/wastewater treatment with chemical and advanced oxidation techniques, water reuse, micro pollutants, and water management. She represented The Scientific and Technical Research Council of Turkey (TUBITAK) in European Science Foundation (ESF) as a member of the Life, Earth and Environmental Sciences Standing Committee between 2005-2011. She is a board member of International Ozone Association (IO3A – EA3G). OECD Water Governance Initiative, Water JPI, Organization of Islamic Cooperation (OIC), World Water Council and UN-Environment are among the international platforms she represented SUEN. She is the current chair of Global Wastewater Initiative (GW2I) of UN Environment.

### Education Information

Doctorate, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, Turkey  
1996 - 2003

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of  
Environmental Engineering (Eng), Turkey 1993 - 1996

Undergraduate, Istanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey 1989 - 1993

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Oxidation of Aqueous Humic Substances by Ozonation, Bogazici University, Institute Of Environmental  
Sciences, Department Of Environmental Technology, 2003

Postgraduate, Ozonation in Elmalı Water Treatment Plant , Marmara University, Institute for Graduate Studies in Pure  
and Applied Sciences, Department of Environmental Engineering (Eng), 1996

## Research Areas

Environmental Engineering, Water Pollution and Control, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2016 - Continues

Assistant Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2005 - 2016

Research Assistant, Marmara University, Faculty of Engineering, Environmental Engineering, 1994 - 2005

## Academic and Administrative Experience

Deputy Head of Department, Marmara University, Faculty of Engineering, Environmental Engineering, 2007 - 2012

## Courses

Industrial Pollution Control, Undergraduate, 2018 - 2019

Integrated Water Resources Management, Postgraduate, 2018 - 2019

Water Reuse, Postgraduate, 2019 - 2020

## Advising Theses

KERÇ A., Ozonation in municipal wastewater treatment plants for reuse applications, Postgraduate, H.BUĞRA(Student), 2009

KERÇ A., Application of UV disinfection in municipal wastewater treatment plants for agricultural use of reclaimed wastewater, Postgraduate, S.EVCİMEN(Student), 2009

KERÇ A., Odour control in wastewater treatment plants using ozonation and chemical scrubbing, Postgraduate, S.SERDA(Student), 2008

KERÇ A., Drinking water treatment by a model water purification system with solar panels, Postgraduate, S.ÖZYILMAZ(Student), 2006

KERÇ A., Güneş panelli küçük ölçekli su arıtma sistemi ile içme suyu arıtımı, Postgraduate, S.Özyılmaz(Student), 2006

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Life cycle assessment of cotton woven shirts and alternative manufacturing techniques**  
Kazan H., Akgül D., Kerç A.  
Clean Technologies and Environmental Policy, vol.22, no.4, pp.849-864, 2020 (SCI-Expanded)
- II. **POLICY, SCIENCE AND SOCIETY INTERACTION**  
Tollefson L., El Atfy H., Facon T., Kerc A.  
IRRIGATION AND DRAINAGE, vol.63, no.2, pp.158-175, 2014 (SCI-Expanded)
- III. **Evaluation of different wastewater treatment techniques in three WWTPs in Istanbul for the removal of selected EDCs in liquid phase**  
CAN Z. S., Firlak M., KERÇ A., Evcimen S.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.186, no.1, pp.525-539, 2014 (SCI-Expanded)
- IV. **Application of UV disinfection in municipal wastewater treatment plants for agricultural use of reclaimed wastewater in Turkey**  
Evcimen S., KERÇ A.

DESALINATION AND WATER TREATMENT, vol.26, pp.39-44, 2011 (SCI-Expanded)

**V. Ozonation of Odorous Air in Wastewater Treatment Plants**

KERÇ A., Olmez S. S.

OZONE-SCIENCE & ENGINEERING, vol.32, no.3, pp.199-203, 2010 (SCI-Expanded)

**VI. Evaluation of adsorption and coagulation characteristics of humic acids preceded by alternative advanced oxidation techniques**

Uyguner C. S., Suphandag S. A., Kerc A., Bekbolet M.

DESALINATION, vol.210, pp.183-193, 2007 (SCI-Expanded)

**VII. Effects of oxidative treatment techniques on molecular size distribution of humic acids**

Kerc A., Bekbolet M., Saatci A.

WATER SCIENCE AND TECHNOLOGY, vol.49, no.4, pp.7-12, 2004 (SCI-Expanded)

**VIII. Sequential oxidation of humic acids by ozonation and photocatalysis**

Kerc A., Bekbolet M., Saatci A.

OZONE-SCIENCE & ENGINEERING, vol.25, no.6, pp.497-504, 2003 (SCI-Expanded)

**IX. Effect of partial oxidation by ozonation on the photocatalytic degradation of humic acids**

Kerc A., Bekbolet M., Saatci A.

INTERNATIONAL JOURNAL OF PHOTOENERGY, vol.5, no.2, pp.75-80, 2003 (SCI-Expanded)

**X. Computerized continuous monitoring and analysis of ozone in solution**

Kerc A., Saatci A.

OZONE-SCIENCE & ENGINEERING, vol.18, no.5, pp.469-476, 1996 (SCI-Expanded)

## Articles Published in Other Journals

**I. A Three-Dimensional Evaluation Model for R&D Proposals in Turkey**

CEBECİ Ö. Z., GENÇ S., KERÇ A., KARATAŞ H., FEYZİOĞLU A., COŞKUN F., ÖZPEYNİRCİ N. Ö., KOZANOĞLU G.

NATO Security through Science Series - E: Human and Societal Dynamics, vol.8, no.111, 2006 (Peer-Reviewed Journal)

## Books & Book Chapters

**I. Water Treatment Applications in Turkey: Examples from Istanbul**

Kerç A.

in: Control of Disinfection By-Products in Drinking Water Systems, A. Nikolau, L. Rizzo, H. Selcuk, Editor, NOVA Science Publishers Inc. , Arizona, pp.1-200, 2007

## Refereed Congress / Symposium Publications in Proceedings

**I. Monitoring and Oxidative Removal of EDCs in Istanbul Wastewater Treatment Plant**

Kerç A.

", 20th IOA World Congress - 6th IUVA World Congress: Ozone and UV Leading-edge science and technologies Proceedings, Paris, France, 23 - 27 May 2011, vol.2, no.8, pp.1-10

**II. Models of Evaluation for Research Proposals in Turkey**

CEBECİ Ö. Z., GENÇ S., KERÇ A., KARATAŞ H., FEYZİOĞLU A., COŞKUN F., ÖZPEYNİRCİ N. Ö., KOZANOĞLU G.

NATO Conference: Issues of Science Policy and Research Evaluation Practice, SOFYA, Bulgaria, 9 - 11 May 2005

**III. Evaluation of adsorption and coagulation characteristics of humic acids preceded by alternative advanced oxidation techniques**

Uyguner C. S., Suphandag S. A., Kerc A., Bekbolet M.

9th International Conference on Environmental Science and Technology, Rhodes Isl, Greece, 1 - 03 September

## Supported Projects

Kerç A., Yazıcı B., Gomez A. S., Other International Funding Programs, Efficient use and management of conventional and non-conventional water resources through smart technologies applied to improve the quality and safety of Mediterranean agriculture in semi-arid areas, 2019 - 2022

Kerç A., H2020 Project, AGRINUPES: Tarımsal Faaliyetler Sonucu Su Kaynaklarına Karışan Pestisit Kalıntılarının Yerinde Takibine Yönelik 'Immunoflow' Benzeri Testlerin Geliştirilmesi, Uygulaması ve Yönetim Modeli Araştırması, 2018 - 2020

Semerci N., Çallı B., Kocamemi B., Kerç A., Project Supported by Higher Education Institutions, Evsel Atıksu Arıtma Çamurlarından Ozonlama ile Fosfor Geri Kazanımının İncelenmesi , 2009 - 2011

Semerci N., Çallı B., Kerç A., Kocamemi B., Project Supported by Higher Education Institutions, Investigation of Phosphorus Recovery from Municipal Activated Sludge with Ozonation, , 2009 - 2011

Can Z. S., Kerç A., TUBITAK Project, Screening of Endocrine Disrupting Compounds in İstanbul Wastewater Treatment Plants and Investigation of Their Removal Methods, 2008 - 2010

Kocamemi B., Yükselen M. A., Kerç A., Project Supported by Higher Education Institutions, Removal of Organics and Nitrogen from Intermittent Flow Wastewater with a Package Treatment Unit, 1996 - 1997

## Memberships / Tasks in Scientific Organizations

UN Environment Global Wastewater Initiative, Chairman, 2016 - Continues

OECD Water Governance Initiative, Member, 2015 - Continues

International Ozone Association, Board Member, 2000 - Continues

European Science Foundation, Life-Environmental Sciences Committee, Executive Board Member, 2006 - 2011

## Scientific Refereeing

DESALINATION AND WATER TREATMENT, SCI Journal, July 2011

## Metrics

Publication: 15

Citation (WoS): 228

Citation (Scopus): 179

H-Index (WoS): 7

H-Index (Scopus): 7

## Non Academic Experience

Public Corporation, Turkish Water Institute, Proje Geliştirme ve Uygulama