

Assoc. Prof. ASLIHAN KERÇ

Personal Information

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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 since 2012 she has been working 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 is representing 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

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

Under Graduate, 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

Post Graduate, Ozonation in Elmali Water Treatment Plant , Marmara University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (İngilizce) Anabilim Dalı, 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, Under Graduate, 2018 - 2019
Integrated Water Resources Management, Post Graduate, 2018 - 2019
Water Reuse, Post Graduate, 2019 - 2020

Advising Theses

KERÇ A., Ozonation in municipal wastewater treatment plants for reuse applications, Post Graduate, H.BUĞRA(Student), 2009
KERÇ A., Application of UV disinfection in municipal wastewater treatment plants for agricultural use of reclaimed wastewater, Post Graduate, S.EVCİMEN(Student), 2009
KERÇ A., Odour control in wastewater treatment plants using ozonation and chemical scrubbing, Post Graduate, S.SERDA(Student), 2008
KERÇ A., Drinking water treatment by a model water purification system with solar panels, Post Graduate, S.ÖZYILMAZ(Student), 2006
KERÇ A., Güneş panelli küçük ölçekli su arıtma sistemi ile içme suyu arıtımı, Post Graduate, S.Özyılmaz(Student), 2006

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

- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

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 (Refereed Journals of Other Institutions)

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 2005

Supported Projects

Kerç A., Yazıcı B., Gomez A. S. , Other Supported Projects, 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

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, İstanbul daki Evsel Atıksu Arıtma Tesislerinde Endokrin Bozucu Maddelerin Taranması ve Giderim Yöntemlerinin İncelenmesi , 2008 - 2010

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

Citations

Total Citations (WOS):177

h-index (WOS):6

Non Academic Experience

Public Corporation, Turkish Water Institute