

Assist. Prof. Kozet YAPSAKLI



Marmara University, Faculty of Engineering,
Environmental Engineering Department, 34722,
Goztepe, İstanbul, Turkey.

Tel : +90 216 348 0292- ext. 290

Fax : +90 216 348 1369

e-mail : kyapsakli@marmara.edu.tr

web : meg.marmara.edu.tr

EDUCATION

1994 - 1999	B.S. Environmental Engineering - Marmara University, Engineering Faculty, Department of Environmental Engineering, Istanbul, Turkey
2000 - 2002	M.S. Environmental Engineering - Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Istanbul, Turkey
2002 - 2008	Ph.D. Environmental Engineering - Bogazici University, Institute for Environmental Sciences, Istanbul, Turkey
Foreign languages	English- Fluent German-Intermediate

ACADEMIC EXPERIENCE

Research Assistant	Marmara University, Faculty of Engineering, Department of Environmental Engineering, Istanbul, Turkey (2000-2008)
Assist. Prof.	Marmara University, Faculty of Engineering, Environmental Engineering Department, Istanbul, Turkey (2009-....)

FIELDS OF EXPERIENCES & INTERESTS

Water treatment Technologies, Biological Activated Carbon (BAC), Adsorption, Advanced Oxidation Processes, Water reclamation and reuse, Wastewater engineering, Environmental biotechnology: Nitrogen converting microorganisms, Anaerobic Ammonium Oxidation (ANAMMOX) and SHARON processes.

GRADUATE STUDENTS

Çiğdem Kalkan	Tertiary Treatment of Paşaköy Advanced Wastewater Treatment Plant Effluent by Biological Activated Carbon (BAC). M.S., 2010.
---------------	--

COURSES TAUGHT

CHEM 101- General Chemistry I
CHEM 102 - General Chemistry II
ENVE 435 - Microbiology for Wastewater Engineering
ENVE 497 / 498 - Engineering Project
ENVE 301 - Environmental Engineering Unit Operations
ENVE 302 - Environmental Engineering Unit Processes
ENVE 401 - Physical Chemical Processes
ENVE 821 - Removal of Refractory Organics

SCHOLARSHIPS

The Scientific and Technological Research Council of Turkey (TÜBİTAK), Research Fellowship Programme, (10/04/2006 – 10/10/2006) Dresden Technical University, Dresden/Germany (Modeling of natural organic matter removal in drinking water biofilters)

The Scientific and Technological Research Council of Turkey (TÜBİTAK), Post-Doc Research Fellowship Programme, (01/12/2008 – 01/12/2009): Marmara University. (Identification and activity of sensitive microorganisms in a leachate treatment plant with the help of molecular microbiological methods)

PROJECTS

1. Investigation of free ammonia inhibition in an Anammox reactor packed with Kaldnes Rings, Marmara University Scientific Research Projects Committee (BAPKO), FEN-A-080410-0075, Project Supervisor, 4.2010-4.2012.
2. Application of biological activated carbon (BAC) for reclamation purposes TÜBİTAK, 109Y205, Project Supervisor, 1.2010-1.2011.
3. Investigation of sensitive bacteria in a biological activated carbon filter for drinking water, Marmara University Scientific Research Projects Committee (BAPKO), FEN-A-060308-0045, Researcher, 2008-2010.
4. Application of real-time PCR technique for the quantitative determination of active gene, TÜBİTAK, 107T281, Researcher, 2007-2008.
5. Behaviour of selected organic and inorganic xenobiotics in biological systems and formation of structure –activity relationship (SAR) models, TÜBİTAK, ÇAYDAG-105Y379-COST, Researcher, 6.2006-6.2009.
6. Application of Biological Activated Carbon (BAC) in drinking water treatment, Boğaziçi University Scientific Research Project, 05Y103D, Researcher, 2.2005-7.2008.
7. Investigation of floc structure of waters with high organic carbon content, TÜBİTAK Projesi, ÇAYDAG-104Y269, Researcher, 2005-2007.
8. Biological activated carbon for drinking water treatment, TÜBİTAK, İÇTAG-Ç110, Researcher, 2004-2007.

PUBLICATIONS

SCI Index

1. D. Akgul, C. Kalkan Aktan, **K. Yapsakli**, B. Mertoglu, "Treatment of landfill leachate using UASB-MBR-SHARON-Anammox configuration", Biodegradation, DOI: 10.1007/s10532-012-9597-y.
2. C. Kalkan Aktan, **K. Yapsakli**, B. Mertoglu, "Inhibitory effects of ammonia on Anammox bacteria", Biodegradation, 23 (5), 751-762 pp., 2012.
3. B. Ozdemir, B. Mertoglu, **K. Yapsakli**, C. Aliyazicioglu, A.M. Saatci, O. Yenigun, "Investigation of nitrogen converters in membrane bioreactor", Journal of Environmental Science and Health-Part A, 46 (5), 500-508 pp., 2011.
4. **K. Yapsakli**, C. Aliyazicioglu, B. Mertoglu, "Identification and quantitative evaluation of nitrogen converting organisms in a full-scale leachate treatment plant", Journal of Environmental Management, 92 (3), 714-723 pp., 2011.
5. C. Kalkan, **K. Yapsakli**, B. Mertoglu, D. Tufan, A. Saatci, "Evaluation of Biological Activated Carbon (BAC) process in wastewater treatment secondary effluent for reclamation purposes", Desalination, 265 (1-3), 266-273 pp., 2011.
6. **K. Yapsakli**, "Co-occurrence of nitrogen converting organisms in full-scale wastewater treatment plants", Journal of Environmental Science and Health- Part A, 45, 1060-1070 pp., 2010.
7. **K. Yapsakli**, B. Mertoglu, F. Cecen, "Identification of nitrifiers and nitrification performance in drinking water Biological Activated Carbon (BAC) filtration", Process Biochemistry, 45, 1543-1549 pp., 2010.
8. **K. Yapsakli**, F. Cecen, "Effect of type of granular activated carbon on DOC biodegradation in biological activated carbon filters", Process Biochemistry, 45, 355-362 pp., 2010.
9. **K. Yapsakli**, F. Cecen, O. Aktas, Z.S. Can, "Impact of surface properties of granular activated carbon and preozonation on adsorption and desorption of natural organic matter", Environmental Engineering Science, 26(3), 489-500 pp., 2009.
10. **K. Yapsakli**, Z.S. Can, "Interaction of ozone with formic acid: A system which suppresses the scavenging effect of $\text{HCO}_3^-/\text{CO}_3^{2-}$ ", Water Quality Research Journal of Canada, 39(2), 40-148 pp., 2004.

Others

1. **K. Yapsakli**, F. Cecen, "Use of an enriched inoculum for determination of biodegradable dissolved organic carbon (BDOC) in drinking water", **Water Science and Technology: Water Supply**, 9 (2), 149-157 pp., (2009).

National Publications

1. **K. Yapsakli**, C. Kalkan Aktan, B. Mertoglu, "SHARON Prosesinin sızıntı suyu arıtımında kullanılması", Marmara Üniversitesi Fen Bilimleri Dergisi, 1-10 pp., 2012.

Conference Proceedings

1. **K. Yapsakli**, B. Mertoglu, Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond "Fluorescence Spectroscopic analysis of Omerli Reservoir Water at different ozone doses", - pp., Costa Mesa, California, USA, 27-29 July 2011.
2. B. Mertoglu, **K. Yapsakli**, D. Akgul, B. Yuzer, Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond "Characterization of dissolved organic matter in landfill leachate by Fluorescence Spectroscopy", - pp., Costa Mesa, California, USA, 27-29 July 2011.
3. C. Kalkan, **K. Yapsakli**, B. Mertoglu, International Sustainable Water and Wastewater Management Symposium "Enrichment of Anammox bacteria in reactor packed with Kaldnes Rings", - pp., Konya, 26-28 October 2010.
4. C. Aliyazicioglu, **K. Yapsakli**, B. Mertoglu, F. Cecen, "International Sustainable Water and Wastewater Management Symposium" "Analysis of denitrification process in Biological Activated Carbon (BAC) used for drinking water treatment", - pp., Konya, 26-28 October 2010.
5. **K. Yapsakli**, C. Kalkan, D. Tufan, B. Mertoglu, "IWA World Water Congress and Exhibition" "Tertiary treatment of Paşaköy Advanced Wastewater Treatment Plant by Biological Activated Carbon (BAC)", Manuscript Number: IWA-3359 pp., Montreal, Kanada, 19-24.Eylül.2010.
6. **K. Yapsakli**, F. Çeçen, "Natural Organic Matter: From Source to Tap" "Optimization of ozonation for the production of biodegradable dissolved organic carbon (BDOC) in Ömerli Reservoir Water", 331-337 pp., Bath, England, 2-4 September 2008.
7. B. Mertoglu, **K. Yapsakli**, F. Cecen, "Natural Organic Matter: From Source to Tap" bildiri kitapçığındaki "Detection of nitrifier population in BAC columns", 696-699 pp., Bath, England, 2-4 September 2008.
8. B. Mertoglu, **K. Yapsakli**, B. Ozdemir, "Specialised Conference on Microbial Population Dynamics in Biological Wastewater Treatment Plant" "Evaluation of long term nitrification and denitrification activity in a full-scale oxidation ditch sytem", - pp., Aalborg, Denmark, 24-27 May 2009.
9. **K. Yapsakli**, F. Cecen, "Micropol and Ecohazard Conference" "Adsorption and desorption of natural organic matter onto several granular activated carbon types", 552 pp., Frankfurt/Main, Germany, 17-20 June 2007.
10. **K. Yapsakli**, F. Cecen, "IWA World Congress" "Use of different granular activated carbons (GAC) in drinking water treatment", Manuscript Number: 604977 pp., Beijing, China, 10-14 September 2006.

Conference Proceedings (Turkish)

1. **K. Yapsakli**, S. Yiğit, A.G. Yilmaz, B. Mertoglu, Türkiye'de Çevre Kirliliği Öncelikleri Sempozyumu konferansı dahilinde "Türkiye'de Çevre Kirliliği Öncelikleri Sempozyumu" bildiri kitapçığındaki "Zeolit dolgulu filtrelerde Anammox kültürünün yetiştirilmesi", 378-382 pp., Gebze, İzmit, 28-29 Mayıs 2009.