

EK-3

ÖZGEÇMİŞ (ÖRNEK FORMAT)

1. **Adı Soyadı** : Derin Orhon
2. **Doğum Tarihi** : 26/03/1942
3. **Unvanı** : Prof. Dr.
4. **Öğrenim Durumu** : Doktora
5. **Çalıştığı Kurum** :-

Derece	Alan	Üniversite	Yıl
Lisans	İnşaat Mühendisliği	İstanbul Teknik Üniversitesi	1965
Y. Lisans	Çevre Mühendisliği	University of California Berkley	1969
Doktora	Çevre Mühendisliği	University of California Berkley	1971

5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi : 1972
Doçentlik Tarihi :1978
Profesörlük Tarihi :1988

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

1. Hilal BELEN - Çamur Arıtımında Vakum Filtrasyonu ve Haliç Çamuruna Uygulanması, Şubat 1981.
2. Kürşat ATIKOĞLU - Aktif Silikanın Yumaklaştırma Yardımcısı Olarak Kullanılabilirliği, Haziran 1981.
3. İlhan TALINLI - Arıtılabilirlik Kavramı Üzerine inhibisyonun Etkisi, Mart 1982.
4. Sedat Soybay - Aktif Çamur Modellemesine Genel Bakış, Haziran 1982.
5. Nazik ARTAN - Biyokimyasal Oksidasyon Sürecinde İnhibisyonun Mekanizması, Temmuz 1983.
6. İsmail KAFKASOĞLU - Wind-Induces Water Exchange in Two-Layer Density Stratified Flows, Haziran 1984.
7. F. Sibel AKKAYA - Aktif Çamur Modellemesinde İnert Askıda Madde Girişimi, Haziran 1984.
8. Dilek ŞAHİN - İlaç Endüstrisinde Kirlenme Profili, Haziran 1984.
9. Ferhan ÇEÇEN - Metal complexation and its Implications on Related Treatment Technologies, Haziran 1986.
10. Fatoş GERMİRLİ BABUNA - Physical-Chemical Systems for the Treatment of Textile Dying Wastewaters, Haziran 1986.
11. Müge KAVASOGULLARI - Quality Modelling-Water Circulation Correlations in the İzmit Bay, Haziran 1988.
12. A. Celal AŞTI - Paket Arıtma Sistemlerinin Turizm Sektöründe Kullanılması, Haziran 1988.
13. Süreyya MERİÇ - Marmara Denizi 'nde Kara Kökenli Kirlenme ve Sonuçları, Eylül 1990.

14. Erdem GORGUN - Süt Endüstrisinde Atık Su-Peynir Altı Suyu Karışımlarının Biyolojik Arıtılabilirliği, Şubat 1991.
15. Esra ATEŞ GENCELİ - Endüstriyel Atık Suların Biyolojik Arıtılabilirliğinin Matematiksel Benzeşimi, Haziran 1991.
16. Hale POYRAZ - Eysel Atıksularda inert KOI Oram ve Biyolojik Arıtılabilirlik Üzerindeki Elkileri, Haziran 1991.
17. Selçuk BÜYÜKMURAT - Tekstil Endüstrisi Atıksularının Biyolojik Arıtılabilirliği, Haziran 1991.
18. Z. Banu OZCAN - İstanbul Eysel Atıksuları için Kimyasal Artmanın Fizibilitesi, Haziran 1991.
19. Oytun HANHAN - Aktif Çamur Sistemlerinde Biyolojik Azot Giderimi ve Tasarım Alternatifleri, Haziran 1994.
20. Günay YILDIZ - Şekerleme Endustrisi Atıksularının Biyolojik Arıtılabilirliğinin Belirlenmesi, Ocak 1995.
21. Tomurcuk HİMMETOĞLU - Yenikapı Ön Arıtma Tesisi Deşarjının Kimyasal Arıtılabilirliği, Haziran 1995.
22. Özlem KARAHAN - The Assesment of Initial Inert Panicutate COD in Wastewaters, Haziran 1997.
23. H. Güçlü INSEL - Kot Yıkama Tesisi Atıksularının Biyolojik Arıtılabilirliği ve Modellenmesi, Haziran 1997.
24. M. Murat SARIOĞLU - Modelling and Design of Multi Component Contact Stabilization Systems, Haziran 1998.
25. Didem OKUTMAN - Eysel Atıksularda Çökebilir KOI Ayrışmasının Deneysel İncelenmesi ve Modellenmesi, Haziran 2001.
26. Ahu SERT - Fermentörlerde Matematik Modelleme, Haziran 2001 .
27. Selda MURAT - Ardışık Kesikli Reaktorler ile Deri Endüstrisi Atıksularında Karbon ve Azot Gideriminin Araştırılması, Ocak 2002.
28. Esmâ Üçışık AKKAYA - Physiology and Biochemical Storage Characteristic of E.coli K12, April 2004.
29. Gamze ÇELİKYLMAZ - Effects of Heavy Metal Inhibition on the Metabolism of Various Activated Sludge Bacteria, April 2004.
30. Ayşegül AKAR - Physiology and Biochemical Storage Characteristics of Micronulatus Phosphovorus, Haziran 2004.
31. Seda ÖZDEMİR – Effects of Heavy Metal Inhibition on Activated Sludge Microorganisms, Ocak 2005.
32. Aslı Seyhan ÇİĞGIN – Effect of Feeding Patterns and Sludge History on Storage under Anoxic Conditions, Temmuz 2005.
33. Kerem NOYAN – Correlation Between COD Fractionation and Particle Size Distribution for Domestic Sewage, Temmuz 2006.

34. Tuğçe KATIPOĞLU – Evaluation and Inhibitory Impact of 2,6-Dihydroxybenzoic Acid on the Biodegradation of Peptone under Aerobic Conditions, Haziran 2007.
35. Can KUTAY - Zeytinyağı Atıksularında Bulunan Spesifik Kirleticilerden “Tyrosol”ün Biyolojik Arıtılabilirliği, Şubat 2009.
36. Aslıhan URAL – Fate of Sulfamethoxazole and its Inhibitory Impact on the Biodegradation of acetate under Aerobic Conditions at High Sludge Age, January 2012.
37. Gökçe KOR – Acute and Chronic Effects of Sulfamethoxazole on the Biodegradation of Acetate under Aerobic Conditions at Low Sludge Age, June 2012.

6.2. Doktora Tezleri

1. Olcay TÜNAY - İnhibisyonun Aktif Çamur Prosesine Etkisi, Kasım 1978.
2. İ.Ethem GÖNENÇ - Akarsulardaki İnorganik Azot Dağılımına Dispersiyon Etkisi, Şubat 1979.
3. M. Gürkan DURLU - Akışkan Yataklı Reaktörlerin Biyolojik Denitrifikasyon Sürecinin İncelenmesi, Aralık 1983.
4. Necdet ARAL - Arıtma Çamuru Yoğunlaştırıcının Boyutlandırılması Üzerine Bir Araştırma, Şubat 1984.
5. H. Oktar TIMUR - Yüksek Miktarda Atık İçeren Suların Döner Diskler ile Nitritasyonu, Mart 1986.
6. M. Atalay TİMUR - Kuvvetli Atıkların Yukarı Akışlı Havasız Filtrelerde Arıtım Kinetiği, Mayıs 1986.
7. İlhan TALINLI - Fenol ve 2, 4 - D Asidin Aktif Çamur Sistemlerine Etkileri, Ekim 1986.
8. Melih ÇİLER - Kuvvetli Atıksuların Yukarı Akışlı Havasız Çamur Yatağında Arıtım Esasları, Kasım 1986.
9. Yasemin CİMŞİT - Ardışık Kesikli Reaktörlerde Kuvvetli Atıksuların Arıtım Esasları, Temmuz 1987.
10. Nazik ARTAN - Aktif Çamurda Çözünmüş Kalıcı Ürün Oluşumu Modeli, Ekim 1986.
11. Bilsen BELER BAYKAL - Behaviour of Activated Sludge Systems Under Intermittent Loading, Kasım 1988.
12. Fatoş GERMİRLİ BABUNA - The Incremental and Comparison Methods for the Assessment of Initial Soluble Inert COD, Eylül 1990.
13. Ayşegül BAYSAL TANIK - The Mechanism of Microbial Product Generation in Fixed-Film Reactors, Mayıs 1991.
14. Seval SÖZEN - Nitritasyon - Denitrifikasyon Kinetiğinin Deneysel Karakterizasyonu, Nisan 1995.
15. Erdem GÖRGÜN - Kademeli Beslemeli Biyolojik Azot Giderim Sistemlerinin Bilgisayar Destekli Tasarım, Mart 1996.

16. Emine UBAY ÇOKGOR - Aerobik Sistemlerde Proses Stokiyometrisi ve Kinetiğinin Respirometrik Olarak Değerlendirilmesi, Mayıs 1997.
17. Esra ATEŞ GENCELİ - Deri Endüstrisi Atıksularının Biyolojik Arıtılabilirliği ve Kinetik Karakterizasyonu, Aralık 1997.
18. Oytun HANHAN - Aralıklı Havalandırılmalı Sürekli Aktif Çamur Sistemlerinde Azot Gideriminin Modellenmesi ve Tasarımı, Şubat 1999.
19. Ebru AVCIOĞLU - Experimental Assessment and Modelling of Denitrification for Endogenous and Hydrolysed Carbon Sources, Haziran 2000.
20. Gülseda RIŞVANOĞLU - Substrate Storage in the Biological Treatment of Tannery Wastewater, Eylül 2002.
21. Hakan DULKADİROĞLU - Hareketli Yataklı Ardışık Kesikli Reaktörlerde Karbon ve Besi Maddeleri Giderimi, Ekim 2003.
22. Özlem KARAHAN - Effect of Substrate Storage on the Modelling of Activated Sludge Systems, Mayıs 2004.
23. H. Güçlü İNSEL - Modelling of Phosphorus Uptake Mechanisms for Activated Sludge Systems, Eylül 2004.
24. Argun Olcayto ERDOĞAN – Türkiye’de Optimum Maliyete Dayalı Atıksu Arıtma Tesisi Tasarımı, Kasım 2004.
25. Günay YILDIZ – Akrilik ve Polyamid Elyaf Esaslı Halı Terbiyesi Atıksularının Karakterizasyonu ve Biyolojik Arıtılabilirliği, Ocak 2005.
26. M. Murat SARIOĞLU – Carbon and Nitrogen Removal in Municipal and Industrial Wastewater using Membrane Bioreactors, Ağustos 2007.
27. Pelin TORUNOĞLU – Suların Membran Teknolojileri ile Arıtılması, Ocak 2009.
28. Selda Murat HOCAOĞLU – Mechanisms and Modelling of Segregated Household Wastewater Treatment by Membrane Bioreactor, Mayıs 2010.
29. Serden BAŞAK – Respirometric Analysis of Benzo(a)anthracene Induced Inhibition on Peptone Biodegradation, Aralık 2010.
30. Aslı Seyhan ÇİĞGIN – Growth and Storage Kinetics of Activated Sludge Systems Operated with Various Carbon Sources for Different Sludge Ages, March 2011.
31. Zeynep ÇETECİOĞLU – Evaluation of Anaerobic Biodegradability Characteristics of Antibiotics and Toxic/Inhibitory Effect on Mixed Microbial Culture, October 2011.
32. Ilke Pala - Evaluation of the Effects of Xenobiotics on Aerobic Biodegradability Characteristics and Their Toxicity and Inhibition Effects on Mixed Microbial Culture, (devam ediyor)
33. Ayşegül NUHOĞLU – Waste Disposal Solution Based Approaches to Energy, December 2012.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,ArtsandHumanities)

1. Cokgor, E.U., Insel, G., Katipoglu, T., Orhon, D. (2011). "Biodegradation kinetics of peptone and 2, 6-dihydroxybenzoic acid by acclimated dual microbial culture", *Bioresource Technology*, **102**(2): 567-575.
2. Zengin, G.E., Artan, N., Orhon, D., Satoh, H., Mino, T. (2011). "Effect of aspartate and glutamate on the fate of enhanced biological phosphorus removal process and microbial community structure", *Bioresource Technology*, **102** (2): 894-903.
3. Arslan-Alaton, I., Türkman, A., Orhon, D. (2011). "Future of Water Resources and Wastewater Reuse in Turkey", In *Climate Change and its Effects on Water Resources Issues of National and Global Security*, Nato Science for Peace and Security Series C- Environmental Security(pp. 285-292). Springer Netherlands.
4. Hanhan, O., Insel, G., Yagci, N.O., Artan, N., Orhon, D. (2011). "Mechanism and design of intermittent aeration activated sludge process for nitrogen removal", *Journal of Environmental Science and Health, Part A*, **46**(1): 9-16.
5. Yagci, N., Dulekgurgen, E., Artan, N., Orhon, D. (2011). "Experimental evaluation and model assessment of coexistence of PAOs and GAOs", *Journal of Environmental Science and Health, Part A*, **46**(9): 968-979.
6. Ozkok, I.P., Yazan, T.K., Cokgor, E.U., Insel, G., Talinli, I., Orhon, D. (2011). "Respirometric assessment of substrate binding by antibiotics in peptone biodegradation", *Journal of Environmental Science and Health, Part A*, **46**(13): 1588-1597.
7. Yildiz Töre, G., Insel, G., Çokgör, E.U., Ferlier, E., Kabdaşlı, I., Orhon, D. (2011). "Pollution profile and biodegradation characteristics of fur-suede processing effluents", *Environmental Technology*, **32**(10): 1151-1162.
8. Ciggin, A.S., Pala, I., Katipoglu, T., Dulekgurgen, E., Meric, S., Orhon, D. (2011). "Research potential of doctoral studies on environmental sciences and engineering", *Desalination and Water Treatment*, **26**: 3-13.
9. Insel, G., Dulekgurgen, E., Sözen, S., Orhon, D. (2011). "Conceptual basis for the appropriate design of biological wastewater treatment systems: drawbacks of existing prescriptions", *Desalination and Water Treatment*, **26**(1-3): 104-110.
10. Insel, G., Hocaoglu, S.M., Cokgor, E.U., Orhon, D. (2011). "Modelling the effect of biomass induced oxygen transfer limitations on the nitrogen removal performance of membrane bioreactor", *Journal of Membrane Science*, **368**(1): 54-63.
11. Hocaoglu, S.M., Insel, G., Cokgor, E.U., Orhon, D. (2011). "Effect of low dissolved oxygen on simultaneous nitrification and denitrification in a membrane bioreactor treating black water", *Bioresource Technology*, **102**(6): 4333-4340.
12. Olmez-Hanci, T., Arslan-Alaton, I., Orhon, D., Karahan, O., Cokgor, E.U., Insel, G. (2011). "Is the naphthalene sulfonate H-acid biodegradable in mixed microbial cultures under aerobic conditions?", *Bioresource Technology*, **102**(10): 5589-5595.
13. Çığgın, A.S., Orhon, D., Rossetti, S., Majone, M. (2011). "Short-term and long-term effects on carbon storage of pulse feeding on acclimated or unacclimated activated sludge", *Water Research*, **45**(10): 3119-3128.
14. Sarioglu, M., Insel, G., Artan, N., Orhon, D. (2011). "Stoichiometric and kinetic evaluation of simultaneous nitrification and denitrification in a membrane bioreactor at steady state", *Journal of Chemical Technology and Biotechnology*, **86**(6): 798-811.

15. Hocaoglu, S.M., Insel, G., Cokgor, E.U., Orhon, D. (2011). "Effect of sludge age on simultaneous nitrification and denitrification in membrane bioreactor", *Bioresource Technology*, **102**(12): 6665-6672.
16. Çığgın, A.S., Rossetti, S., Majone, M., Orhon, D. (2011). "Effect of feeding and sludge age on acclimated bacterial community and fate of slowly biodegradable substrate", *Bioresource Technology*, **102**(17): 7794-7801.
17. Doğruel, S., Köktuna, M., Çokgör, E.U., Sözen, S., Orhon, D. (2011). "Particle size distribution based evaluation of biodegradation and treatability for leachate from organic waste", *Journal of Chemical Technology and Biotechnology*, **86**(11): 1364-1373.
18. Kabdasli, I., Orhon, D. (2012). "Preface, 8th IWA symposium on waste management problems in AGRO-industries - AGRO'2011", *Environmental Technology*, **33** (13): 1465-1465.
19. Ciggin, A.S., Majone, M., Orhon, D. (2012). "Effect of dual substrate environment on the formation of intracellular storage biopolymers", *Environmental Technology*, **33**(13): 1491-1496.
20. Orhon, D., & Sözen, S. (2012). "Fate and effect of xenobiotics on biodegradation processes: Basis for respirometric appraisal", *Environmental Technology*, **33**(13), 1517-1522.
21. Ciggin, A.S., Rossetti, S., Majone, M., Orhon, D. (2012). "Effect of feeding regime and the sludge age on the fate of acetate and the microbial composition in sequencing batch reactor", *Journal of Environmental Science and Health, Part A*, **47**(2): 192-203.
22. Sarioglu, M., Insel, G., Orhon, D. (2012). "Dynamic in-series resistance modeling and analysis of a submerged membrane bioreactor using a novel filtration mode", *Desalination*, **285**: 285-294.
23. Çığgın, A.S., Insel, G., Majone, M., Orhon, D. (2012). "Respirometric evaluation and modelling of acetate utilization in sequencing batch reactor under pulse and continuous feeding", *Bioresource Technology*, **107**: 61-69.
24. Cetecioglu, Z., Ince, B., Orhon, D., Ince, O. (2012). "Acute inhibitory impact of antimicrobials on acetoclastic methanogenic activity", *Bioresource Technology*, **114**: 109-116.

25. Katipoglu-Yazan, T., Cokgor, E.U., Insel, G., Orhon, D. (2012). "Is ammonification the rate limiting step for nitrification kinetics?", *Bioresource Technology*, **114**: 117-125.
26. Başak, S., Çokgör, E.U., Insel, G., Orhon, D. (2012). "Acute effect of benzo [a] anthracene on the biodegradation of peptone under aerobic conditions", *Environmental Science and Pollution Research*, **19**(8): 3412-3420.
27. Ciggin, A.S., Majone, M., Orhon, D. (2012). "Intracellular storage of acetate/starch mixture by fast growing microbial culture in sequencing batch reactor under continuous feeding", *Bioresource Technology*, **119**: 331-338.
28. Pala-Ozkok, I., Rehman, A., Yagci, N., Ubay-Cokgor, E., Jonas, D. Orhon, D. (2012). "Characteristics of mixed microbial culture at different sludge ages: effect on variable kinetics for substrate utilization", *Bioresource Technology*, **126**: 274-282.
29. Başaran, S.T., Aysel, M., Kurt, H., Ergal, I., Kumru, M., Akarsubaşı, A., Sözen, S. Orhon, D. (2012). "Removal of readily biodegradable substrate in super fast membrane bioreactor", *Journal of Membrane Science*, **423**: 477-486.
30. Doğruel, S., Çokgör, E.U., Ince, O., Sözen, S., Orhon, D. (2013). "Potential of ultrafiltration for organic matter removal in the polymer industry effluent based on particle size distribution analysis", *Environmental Science and Pollution Research*, **20**(1): 340-350.

31. Ciggin, A.S., Orhon, D., Capitani, D., Miccheli, A., Puccetti, C., Majone, M. (2013). "Aerobic metabolism of mixed carbon sources in sequencing batch reactor under pulse and continuous feeding", *Bioresource Technology*, **129**: 118-126.
32. Hocaoglu, S.M., Atasoy, E., Baban, A., Orhon, D. (2013). "Modeling biodegradation characteristics of grey water in membrane bioreactor", *Journal of Membrane Science*, **429**: 139-146.
33. Ciggin, A.S., Rossetti, S., Majone, M., Orhon, D. (2013). "Extent of intracellular storage in single and dual substrate systems under pulse feeding", *Environmental Science and Pollution Research*, **20**(3): 1225-1238.
34. Cetecioglu, Z., Ince, B., Gros, M., Rodriguez-Mozaz, S., Barceló, D., Orhon, D., Ince, O. (2013). "Chronic impact of tetracycline on the biodegradation of an organic substrate mixture under anaerobic conditions", *Water Research*, **47**(9): 2959-2969.
35. Ciggin, A.S., Insel, G., Majone, M., Orhon, D. (2013). "Model evaluation of starch utilization by acclimated biomass with different culture history under pulse and continuous feeding", *Bioresource Technology*, **138**: 163-171.
36. Pala-Ozkok, I., Rehman, A., Kor-Bicakci, G., Ural, A., Schilhabel, M.B., Ubay-Cokgor, E., Jonas, D., Orhon, D. (2013). "Effect of sludge age on population dynamics and acetate utilization kinetics under aerobic conditions", *Bioresource Technology*, **143**: 68-75.

37. Lofrano, G., Meriç, S., Zengin, G.E., Orhon, D. (2013). "Chemical and biological treatment technologies for leather tannery chemicals and wastewaters: A review", *Science of the Total Environment*, **461**: 265-281.
38. Katipoglu-Yazan, T., Pala-Ozkok, I., Ubay-Cokgor, E., Orhon, D. (2013). "Acute impact of erythromycin and tetracycline on the kinetics of nitrification and organic carbon removal in mixed microbial culture", *Bioresource Technology*, **144**: 410-419.
39. Hocaoglu, S.M., Atasoy, E., Baban, A., Insel, G., Orhon, D. (2013). "Nitrogen removal performance of intermittently aerated membrane bioreactor treating black water", *Environmental Technology*, **34**(19): 2717-2725.
40. Hocaoglu, S.M., Orhon, D. (2013). "Particle size distribution analysis of chemical oxygen demand fractions with different biodegradation characteristics in black water and gray water", *CLEAN—Soil, Air, Water*, **41**(11): 1044-1051.
41. Pala-Ozkok, I., Orhon, D. (2013). "Chronic effect of erythromycin on substrate biodegradation kinetics of activated sludge", *Biochemical Engineering Journal*, **81**: 29-39.
42. Cokgor, E.U., Aydinli, E., Tas, D.O., Zengin, G.E., Orhon, D. (2014). "Impact of aerobic stabilization on the characteristics of treatment sludge in the leather tanning industry", *Environmental Technology*, **35**(6): 719-726.
43. Başaran, S.T., Aysel, M., Kurt, H., Ergal, I., Akarsubaşı, A., Yağcı, N., Doğruel, S., Çokgör, E.U., Keskinler, B., Sözen, S., Orhon, D. (2014). "Kinetic characterization of acetate utilization and response of microbial population in super fast membrane bioreactor", *Journal of Membrane Science*, **455**: 392-404.
44. Pala-Ozkok, I., Kor-Bicakci, G., Ural, A., Katipoglu-Yazan, T., Yagci, N., Ubay-Cokgor, E., Orhon, D. (2014). "Modeling acute impact of sulfamethoxazole on the utilization of simple and complex substrates by fast growing microbial culture", *Journal of Chemical Technology and Biotechnology*, **89**(4): 603-615.
45. Sözen, S., Çokgör, E.U., Başaran, S.T., Aysel, M., Akarsubaşı, A., Ergal, I., Kurt, H., Pala-Ozkok, I. & Orhon, D. (2014). "Effect of high loading on substrate utilization kinetics and

- microbial community structure in super fast submerged membrane bioreactor”,*Bioresource Technology*, **159**:118-127.
46. Pala-Ozkok, I., Ubay-Cokgor, E., Cakar, Z. P., & Orhon, D. (2014). “Acute impact of erythromycin on substrate utilization by activated sludge: effect of sludge age”,*Journal of Chemical Technology and Biotechnology*, **89**(7): 1091-1102.
47. Özdemir, S., Çokgör, E.U., Orhon, D. (2014). “Modeling the fate of particulate components in aerobic sludge stabilization–Performance limitations”,*Bioresource Technology*, **164**: 315-322.
48. Kor-Bicakci, G., Pala-Ozkok, I., Rehman, A., Jonas, D., Ubay-Cokgor, E., Orhon, D. (2014). “Chronic impact of sulfamethoxazole on acetate utilization kinetics and population dynamics of fast growing microbial culture”,*Bioresource Technology*, **166**: 219-228.
49. Ciggin, A.S., Orhon, D. (2014). “Effect of storage on the respirometric relationship between substrate utilization and microbial growth”,*Bioresource Technology*, **167**: 331-335.
50. Sözen, S., Cokgor, E.U., Insel, G., Tas, D.O., Dulkadiroglu, H., Karaca, C., Filibeli, A., Meric, S., Orhon, D. (2014). “Scientific basis of dissolved organic carbon limitation for landfilling of municipal treatment sludge–Is it attainable and justifiable?”,*Waste Management*, **34**(9): 1657-1666.
51. Pala-Ozkok, I., Rehman, A., Ubay-Cokgor, E., Jonas, D., & Orhon, D. (2014). “Pyrosequencing reveals the inhibitory impact of chronic exposure to erythromycin on activated sludge bacterial community structure”,*Biochemical Engineering Journal*, **90**: 195-205.
52. Orhon, D. (2014). “Istanbul canal needs environmental study”,*Nature*, **513**(7519): 461.
53. Katipoglu-Yazan, T., Pala-Ozkok, I., Ubay-Cokgor, E., Orhon, D. (2014). “Acute impact of tetracycline and erythromycin on the storage mechanism of polyhydroxyalkanoates”,*Biochemical Engineering Journal*, **91**: 283-289.
54. Özdemir, S., Uçar, D., Çokgör, E. U., Orhon, D. (2014). “Extent of endogenous decay and microbial activity in aerobic stabilization of biological sludge”,*Desalination and Water Treatment*, **52**(34-36): 6356-6362.
55. Biros, Y., Çokgör, E. U., Yağcı, N., Pala-Ozkok, I., Çakar, Z. P., Sözen, S., Orhon, D. (2014). “Effect of acetate to biomass ratio on simultaneous polyhydroxybutyrate generation and direct microbial growth in fast growing microbial culture”,*Bioresource Technology*, **171**: 314-322.
56. Özdemir, S., Çokgör, E.U., Insel, G., Orhon, D. (2014). “Effect of extended aeration on the fate of particulate components in sludge stabilization”,*Bioresource Technology*, **174**: 88-94.
57. Katipoglu-Yazan, T., Ubay Cokgor, E., Orhon, D. (2015). “Modeling sequential ammonia oxidation kinetics in enriched nitrifying microbial culture”,*Journal of Chemical Technology and Biotechnology*, **90**(1): 72-79.
58. Slavik, E., Galessi, R., Rapisardi, A., Salvetti, R., Bonzagni, P., Bertanza, G., Menoni, L., Orhon, D., Sözen, S. (2015). “Wet oxidation as an advanced and sustainable technology for sludge treatment and management: results from research activities and industrial-scale experiences”,*Drying Technology*, **33**(11): 1309-1317.
59. Cetecioglu, Z., Ince, B., Ince, O., Orhon, D. (2015). “Acute effect of erythromycin on metabolic transformations of volatile fatty acid mixture under anaerobic conditions”,*Chemosphere*, **124**: 129-135.
60. Orhon, D. (2015). “Evolution of the activated sludge process: the first 50 years”,*Journal of Chemical Technology and Biotechnology*, **90**(4): 608-640.

61. Katipoglu-Yazan, T., Merlin, C., Pons, M. N., Ubay-Cokgor, E., Orhon, D. (2015). "Chronic impact of tetracycline on nitrification kinetics and the activity of enriched nitrifying microbial culture", *Water Research*, **72**: 227-238.
62. Dulkadiroglu, H., Seckin, G., Orhon, D. (2015). "Modeling nitrate concentrations in a moving bed sequencing batch biofilm reactor using an artificial neural network technique", *Desalination and Water Treatment*, **54**(9): 2496-2503.
63. Yagci, N., Novak, J. T., Randall, C. W., Orhon, D. (2015). "The effect of iron dosing on reducing waste activated sludge in the oxic-settling-anoxic process", *Bioresource Technology*, **193**: 213-218.
64. Sözen, S., Pala-Ozkok, I., Aysel, M., Teksoy-Başaran, S., Akarsubaşı, A., Ergal, I., Kurt, H., Ubay-Çokgör, E. Orhon, D. (2015). "Performance and microbial behavior of submerged membrane bioreactor at extremely low sludge ages", *Desalination and Water Treatment*, **56**(4): 862-874.
65. Sayi-Ucar, N., Sarioglu, M., Insel, G., Cokgor, E. U., Orhon, D., van Loosdrecht, M.C.M. (2015). "Long-term study on the impact of temperature on enhanced biological phosphorus and nitrogen removal in membrane bioreactor", *Water Research*, **84**: 8-17.
66. Insel, G., Cokgor, E., Tas, D.O., Sozen, S., Orhon, D. (2015). "Impact of the Anoxic Volume Ratio on the Dynamics of Biological Nitrogen Removal Under Extended Aeration Conditions", *Water, Air, & Soil Pollution*, **226**(11): 405.
67. Cetecioglu, Z., Ince, B., Gros, M., Rodriguez-Mozaz, S., Barceló, D., Ince, O., Orhon, D. (2015). "Biodegradation and reversible inhibitory impact of sulfamethoxazole on industry wastewater", *Science of the Total Environment*, **536**:667-674.
68. Kor-Bicakci, G., Ubay-Cokgor, E., Orhon, D. (2015). "Acute impact of tetracycline on the utilization of acetate by activated sludge sustained under different growth conditions", *Bioresource Technology*, **198**: 157-164.
69. Yağcı, N., Konuk, M., Sözen, S., Meriç, S., Orhon, D. (2016). "Chemically enhanced membrane process – Toward a novel sewage treatment concept to potentially replace biological processes", *Desalination and Water Treatment*, **57**: 16238-16249.
70. Orhon, D., Sözen, S., Teksoy Başaran, S., Alli, B. (2016). "Superfast membrane bioreactor – ransition tpo extremely low sludge ages for waste recycle and reuse with energy conservation", *Desalination and Water Treatment*, **57**: 21160-21172.
71. Çetecioglu, Z., Ince, B., Orhon, D., Ince, O. (2016). "Anaerobic sulfamethoxazole ge-degradation is driven by homoacetogenesis coupled with hydrogenotrophic methanogenesis", *Water Research*, **90**: 79-89.
72. Kor- Bicakçı, G., Pala-Ozkok, I., Ural A., Jonas, D., Orhon, D. (2016). "Is the chronic impact of sufametoxazole different for slow growing culture? The effect of culture history", *Bioresource Technology*, **206**: 65-76.
73. Karahan-Özgün, Ö., Pala-Ozkok, I., Kutay, C., Orhon, D. (2106) "Characteristics and biodegradability of olive mill wastewaters", *Environmental Technology*, **37**; 10, 1240-1248.
74. Güven, D., Ubay-Çokgör, E., Sözen, S., Orhon, D. (2016) "Kinetic evaluation of nitrification performance in an immobilized cell membrane bioreactor", *Water Science and Technology*, **73**: 12, 2904-2912.
75. Sözen, S., Teksoy-Başaran, S., Akarsubası, A., Ergal, I., Insel, G., Karaca, C., Orhon, D. (2016) "Toward a novel membrane process for organic carbon removal – Fate of slowly biodegradable substrate in superfast membrane bioreactor", *Environmental Science and Pollution Research*, **23**: 16230-16240.

76. Katipoğlu-Yazan, T., Merlin, C., Pons, M.N., Ubay-Çokgör, E., Orhon, D. (2016). “Chronic impact of sufametroxazole on the metabolic activity and composition of enriched nitrifying microbial culture”, *Water Research*, **100**: 546-555.
77. Orhon, D., Arslan-Alaton, I. (2017).”Recent advances in the sustainable management of xenobiotic pollutants”, *Current Organic Chemistry*, **21**:12, 1043.
78. Çetecioğlu, Z., Orhon, D. (2017). “Acute and chronic effects of antibiotics on deterioration of anaerobic substrate utilization, *Current Organic Chemistry*, **21**:12, 1044-1053.
79. Salimi Khaligh, S., Yağcı, N., Balçık, Ç., Ozbey, B., Keskinler, B., Olmez-Hancı, T., Dizge, N., Orhon, D., Sözen, S. (2017). “Particle size distribution analysis of chemically enhance two phase membrane filtration for olive mill effluents” *Journal of Chemical Technology and Biotechnology*, **92**: 749-756.
80. Salimi Khaligh, S., Yağcı, N., Ubay-Cokgör, E., Karaca, C., Alli, B., Orhon, D., Sözen, S. (2017). “Biodegradation of pretreated olive mill effluent in mixture with a domestic sewage or compatible wastewater stream”, *Chemical Technology and Biotechnology*, **92**: 757-766.
81. Noyan, K., Alli, B., Okutman-Taş, D., Sözen, S., Orhon, D. (2017) “Relationship between COD particle size distribution, COD fractionation and biodegradation characteristics in domestic sewage”, *Chemical Technology and Biotechnology*, **92**: 2142-2149.
82. Sarıoğlu, M., Sayı-Uçar, N., Çokgör, E., Orhon, D., van Loosdrecht, M.C.M. (2107) “Dynamic modelling of nutrient removal by MBR operated at elevated temperatures”, *Water Research*, **123**: 420-428.
83. Sözen, S., Orhon, D., Dinçer, H., Ateşok, G., Baştürkçü, H., Yalçın, T., Öznesil, H., Karaca, C., Alli, B., Dulkadiroğlu, H., Yağcı, N. (2107). “Resource recovery as a sustainable perspective for the remediation of mining wastes: Rehabilitation of the CMC mining site in Northern Cyprus”, *Bulletin of Engineering Geology and Environment*, **76**: 1535-1547.
84. Orhon, D., Sözen, S., Alli, B. (2017). “Comment on “Bioflocculation management through high-rate contact stabilization: A promising technology to recover organic carbon from low-strength wastewater” by Rahman, A., Meerburg, F.A, Ravadagundhi, S., Wett, B., Jimenez, J., Bott, C., Al-Omari, A., Riffat, R., Murthy, S., Clippeler, H”, *Water Research*, **126**:524.526.
85. Sözen, S., Teksoy-Başaran, S., Ergal, I., Karaca, C., Alli, B., Ubay-Çokgör, E., Orhon, D. (2018). “A novel process maxi,mazing energy conservation potential of biological treatment: Superfast membrane bioreactor”, *Journal of Membrane Science*, **545**: 337-347.

7.2. Uluslararası diğer hakemli dergilerde yayımlanan makaleler

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabındabasılan bildiriler

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayımlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

7.7. Diğer yayınlar

8. Projeler

9. İdari Görevler

1. İstanbul Teknik İnşaat Fakültesi Dekanlığı
2. İstanbul Teknik Üniversitesi Çevre Mühendisliği Bölüm Başkanlığı, Çevre Bilimleri Anabilim Dalı Başkanlığı
3. Çevre ve Şehircilik UYG-AR Merkezi Müdürlüğü
4. İstanbul Teknik Üniversitesi Fen Bilimleri Enstitüsü Müdürlüğü

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
	Güz				
	İlkbahar				
	Güz				
	İlkbahar				

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.