

## Prof. BİLGE KOCAMEMİ

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 47974

### Biography

Bilge Alpaslan Kocamemi is a Professor in Department of Environmental Engineering at Marmara University in Istanbul, Turkey. She received her B.S and M.S degree in Environmental Engineering from Marmara University and Ph.D in Environmental Technology from Boğaziçi University in Istanbul, Turkey.

Her research interests lie in the area of biological wastewater treatment with focus on energy-minimum nitrogen removal from sewage, especially partial nitrification, Anammox, Comammox processes.

She is the principal investigator and scientific advisor of the project group conducting a SARS-CoV-2 surveillance work in wastewater nationwide by Turkish Water Institute (SUEN) under Turkish Ministry of Agriculture and Forestry. She is also a member of COVID-19 Scientific Committee of Turkish Ministry of Agriculture and Forestry.

### Education

Doctorate, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, Turkey  
1999 - 2005

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Environmental Engineering (Eng), Turkey 1997 - 1999

Undergraduate, Marmara University, Faculty of Engineering, Environmental Engineering, Turkey 1991 - 1996

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Cometabolic Degradation of Trichloroethylene (TCE) and 1,2-Dichloroethane (1,2-DCA) in Nitrification Systems, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, 2005

Postgraduate, Remediation of Heavy Metal Contaminated Soils, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Environmental Engineering (Eng), 1999

## Research Areas

Environmental Engineering, Waste Water Collection and Treatment, Water Pollution and Control, Engineering and Technology

## Academic Positions

Associate Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2015 - Continues

Assistant Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2007 - 2015

Lecturer, Marmara University, Faculty of Engineering, Environmental Engineering, 2001 - 2007

Research Assistant, Marmara University, Faculty of Engineering, Environmental Engineering, 1997 - 2001

## Courses

### Postgraduate

Principles of Unit Operations in Environmental Engineering , Postgraduate, 2021 - 2022, 2020 - 2021

Principles of Unit Processes in environmental Engineering , Postgraduate, 2020 - 2021

Biological Wastewater Treatment , Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Environmental Biotechnology , Postgraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2008 - 2009

Process Design and Wastewater Engineering , Postgraduate, 2018 - 2019

### Undergraduate

Wastewater Engineering Design , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Environmental Engineering Unit Processes, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Engineering Project 2, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2005 - 2006, 2004 - 2005, 2002 - 2003

Environmental Engineering Unit Operations , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Engineering Project 1 , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2005 - 2006, 2004 - 2005, 2002 - 2003

Water Engineering Design , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Special Topics in Environmental Engineering , Undergraduate, 2016 - 2017

Wastewater Engineering , Undergraduate, 2001 - 2002

Water Supply Engineering , Undergraduate, 2001 - 2002

## Supervised Theses

Kocamemi B., NANO BOYUTLU SIFIR DEĞERLİKLİ DEMİR (SDD) PARÇACIKLARININ ANAEROBİK AMONYUM OKSİDASYONU (ANAMMOX) PROSESİ ÜZERİNE ETKİLERİ, Postgraduate, Z.PINAR(Student), 2019

Kocamemi B., MODELLING OF START-UP PHASE OF THE DEAMMONIFICATION SYSTEMS, Postgraduate, N.UZKURT(Student), 2019

Kocamemi B., Anaerobic ammonium oxidation (Anammox) in a moving bed biofilm reactor (MBRR) for sidestream

treatment: A pilot study in istanbul Atakoy sewage treatment plant (STP), Postgraduate, S.ÇELİK(Student), 2018

Kocamemi B., Start-up of pilot scale partial nitrification and anammox reactors installed in a sewage treatment plant, Postgraduate, H.UFLAZ(Student), 2018

Kocamemi B., Applicability of Anammox process for the nitrogen removal from domestic wastewater, Postgraduate, D.DİTYAPAK(Student), 2012

Kocamemi B., Assessment of partial nitrification/nitritification process under oxygen-limited conditions, Postgraduate, E.ÇİÇEK(Student), 2008

## **Journal articles indexed in SCI, SSCI, and AHCI**

- I. **Short-Term Effects of Operating Parameters and Wastewater Constituents on the Performance of Free-cell Candidatus Brocadia and Candidatus Scalindua Anammox Enrichment**  
KOCAMEMİ B., Dityapak D.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.16, no.5, 2022 (SCI-Expanded)
- II. **Establishment of local wastewater-based surveillance programmes in response to the spread and infection of COVID-19-case studies from South Africa, the Netherlands, Turkey and England**  
Tlhagale M., Liphadzi S., Bhagwan J., Naidoo V., Jonas K., van Vuuren L., Medema G., Andrews L., Been F., Ferreira M. L., et al.  
JOURNAL OF WATER AND HEALTH, vol.20, no.2, pp.287-299, 2022 (SCI-Expanded)
- III. **Overcoming challenges in mainstream Anammox applications: Utilization of nanoscale zero valent iron (nZVI)**  
ERDİM E., Ozkan Z. Y., Kurt H., KOCAMEMİ B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.651, pp.3023-3033, 2019 (SCI-Expanded)
- IV. **Anammox start-up strategies: the use of local mixed activated sludge seed versus Anammox seed**  
KOCAMEMİ B., Dityapak D., SEMERCİ N., Keklik E., Akarsubasi A., Kumru M., Kurt H.  
WATER SCIENCE AND TECHNOLOGY, vol.78, no.9, pp.1901-1915, 2018 (SCI-Expanded)
- V. **Real-time process dynamics monitoring in Anammox reactors**  
Kocamemi B., Dityapak D.  
WATER SCIENCE AND TECHNOLOGY, vol.70, no.2, pp.183-191, 2014 (SCI-Expanded)
- VI. **Cometabolic degradation and inhibition kinetics of 1,2-dichloroethane (1,2-DCA) in suspended-growth nitrifying systems**  
KOCAMEMİ B., ÇEÇEN F.  
ENVIRONMENTAL TECHNOLOGY, vol.31, no.3, pp.295-305, 2010 (SCI-Expanded)
- VII. **Biological removal of the xenobiotic trichloroethylene (TCE) through cometabolism in nitrifying systems**  
KOCAMEMİ B., ÇEÇEN F.  
BIORESOURCE TECHNOLOGY, vol.101, no.1, pp.430-433, 2010 (SCI-Expanded)
- VIII. **Biodegradation of 1,2-dichloroethane (1,2-DCA) by cometabolism in a nitrifying biofilm reactor**  
KOCAMEMİ B., ÇEÇEN F.  
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.63, no.6, pp.717-726, 2009 (SCI-Expanded)
- IX. **Kinetic analysis of the inhibitory effect of trichloroethylene (TCE) on nitrification in cometabolic degradation**  
KOCAMEMİ B., ÇEÇEN F.  
BIODEGRADATION, vol.18, no.1, pp.71-81, 2007 (SCI-Expanded)
- X. **Inhibitory effect of the xenobiotic 1,2-dichloroethane in a nitrifying biofilm reactor**  
Alpaslan Kocamemi B., Cecen F.  
WATER SCIENCE AND TECHNOLOGY, vol.55, no.8-9, pp.67-73, 2007 (SCI-Expanded)
- XI. **Cometabolic Degradation of TCE in Enriched Nitrifying Batch Systems**  
KOCAMEMİ B., ÇEÇEN F.  
Journal of Hazardous Materials, vol.125, pp.260-265, 2005 (SCI-Expanded)

- XII. **Remediation of lead contaminated soils by stabilization/solidification**  
KOCAMEMİ B., Yukselen M. A.  
WATER AIR AND SOIL POLLUTION, vol.133, no.1-4, pp.253-263, 2002 (SCI-Expanded)
- XIII. **Leaching of metals from soil contaminated by mining activities**  
Yukselen M., Alpaslan B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.87, pp.289-300, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Atıksular ve Atıksu Arıtma Çamurları ile Covid-19 Takibi: Türkiye Örneği, Türk Müşavir Mühendisler ve Mimarlar Birliği**  
KOCAMEMİ B., kurt h., ERKEN E., SAATÇI A. M.  
tm-Teknik Müşavir, pp.6-9, 2021 (Non Peer-Reviewed Journal)
- II. **Routine SARS-CoV-2 wastewater surveillance results in Turkey to follow Covid-19 outbreak**  
KOCAMEMİ B.  
Medrxiv, 2020 (Non Peer-Reviewed Journal)
- III. **Nationwide SARS-CoV-2 Surveillance Study for Sewage and Sludges of Wastewater Treatment Plants in Turkey**  
KOCAMEMİ B.  
[], 2020 (Non Peer-Reviewed Journal)
- IV. **First Data-Set on SARS-CoV-2 Detection for Istanbul Wastewaters in Turkey**  
KOCAMEMİ B.  
Medrxiv, 2020 (Non Peer-Reviewed Journal)
- V. **SARS-CoV-2 Detection in Istanbul Wastewater Treatment Plant Sludges**  
KOCAMEMİ B.  
[], 2020 (Non Peer-Reviewed Journal)

## Books

- I. **Atıksu Bazlı Epidemiyoloji Çalışmaları ile Covid-19 Yayılımının İncelenmesi**  
Kocamemi B., Erken E.  
Tarım ve Orman Bakanlığı Türkiye Su Enstitüsü, İstanbul, 2022
- II. **Nationwide Tracking of Covid-19 Spread by Wastewater Based Epidemiology (WBE)**  
Kocamemi B., Erken E.  
Ministry of Agriculture and Forestry of Republic of Türkiye -Turkish Water Institute, İstanbul, 2022
- III. **Wastewater-Based Epidemiology (WBE) Studies for Monitoring of Covid-19 Spread**  
KOCAMEMİ B., Kurt H., ERKEN E., SAATÇI A. M.  
in: Water and Wastewater Management-Global Problems and Measures, Müfit Bahadır, Andreas Haarstrick, Editor, Springer International Publishing, Cham, pp.163-179, 2022
- IV. **Chapter 5: Experimental assessment of the inhibitory effect and biodegradation of hazardous pollutants**  
ÇEÇEN F., TEZEL U., KOCAMEMİ B.  
in: Hazardous pollutants in biological treatment systems: Fundamentals and a guide to experimental research, Ferhan Çeçen, Ulaş Tezel, Editor, IWA Publishing, pp.183-237, 2017
- V. **Metabolic And Co-Metabolic Degradation Of Industrially Important Chlorinated Organics Under Aerobic Conditions**  
Kocamemi B., Çeçen F., Aktaş Ö.  
in: Xenobiotics in the Urban Water Cycle: Mass Flows, Environmental Processes and Mitigation Strategies, Fatta-Kassinos, Editor, Springer , Amsterdam, pp.161-178, 2010

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Nanoscale Zero Valent Iron Enhanced Mainstream Anammox Application : A Long-term Evaluation With Real Sewage**  
Kocamemi B., Erken E., Kurt H.  
The IWA World Water Congress & Exhibition, Kobenhavn, Denmark, 11 September 2022, (Summary Text)
- II. **A Novel Approach in nZVI Synthesis: Reducing Agent Hydrazine Recovery from Deammonification Wastewater**  
Erken E., Kocamemi B., Hür C.  
4th IWA Resource Recovery Conference, İstanbul, Turkey, 05 September 2021, (Summary Text)
- III. **A novel approach in nZVI synthesis: reducing agent hydrazine recovery from deammonification wastewater**  
ERKEN E., Hür C., KOCAMEMİ B.  
4th IWA Resource Recovery Conference Turkey (Virtual), Ankara, Turkey, 05 September 2021, (Summary Text)
- IV. **Nationwide SARS-CoV-2 Surveillance Study of Turkey for Monitoring of Covid-19 Spread,**  
KOCAMEMİ B., KURT H., Sait A., Kadı H., Hacıoglu S., Sarac F., Aydın İ., SAATÇI A. M., Pakdemirli B.  
4th IWA Resource Recovery Conference – IWARR2021 Turkey (On-line), Ankara, Turkey, 05 September 2021, (Summary Text)
- V. **TRACKING OF COVID-19 DISTRIBUTION IN TURKEY THROUGH SARS-COV-2 SURVEILLANCE STUDIES IN WASTEWATER AND SLUDGES**  
Kocamemi B., Kurt H., Sait A., Kadı H., Saraç F., Aydın İ., Saatçi A. M., Pakdemirli B.  
THE 3RD INTERNATIONAL CITY, ENVIRONMENT, AND HEALTH CONGRESS, Aydın, Turkey, 16 - 20 April 2021, pp.90-91, (Summary Text)
- VI. **Routine wastewater surveillance in Turkey to Control Covid-19 outbreak**  
KOCAMEMİ B., KURT H., Sait A., Kadı H., Sarac F., Aydın İ., SAATÇI A. M., Pakdemirli B.  
3rd International City, Environment, and Health Congress, Turkey (Virtual Conference), Aydın, Turkey, 16 April 2021, (Summary Text)
- VII. **A Novel Nitrogen Removal Technology for Sewage: Complete Ammonium Oxidation (Comammox)**  
Kocamemi B., Şenol A. B.  
5th EurAsia Waste Management Symposium, İstanbul, Turkey, 26 - 28 October 2020, pp.295-298, (Full Text)
- VIII. **Fate of phosphorus in Centrate and Mainstream MBBR Deammonification Systems**  
KOCAMEMİ B., Çelik S.  
IWA Nutrient Removal and Recovery Conference, Aalto, Finland (Virtual Conference), AALTO, Finland, 01 September 2020, (Summary Text)
- IX. **Fate of Phosphorus in Centrate and Mainstream MBBR Deammonification Systems**  
KOCAMEMİ B., ERKEN E., ÇELİK S., ŞENOL A. B., YETGİN S.  
IWA Nutrient Recovery & Removal Conference, Espoo, Finland, 01 September 2020, (Summary Text)
- X. **Accelerating Biofilm Formation in a Single Stage Mainstream Deammonification Moving Bed Biofilm Reactor (MBBR): The Use of nZVI and Polymers**  
Çelik S., Yetgin S., KOCAMEMİ B.  
11th IWA YWP Conference, Prag, Czech Republic, 01 October 2019, (Summary Text)
- XI. **Accelerating Biofilm Formation in a Single Stage Mainstream Deammonification Moving Bed Biofilm Reactor (MBBR): The Use of nZVI and Polymers**  
ÇELİK S., YETGİN S., ERKEN E., KOCAMEMİ B.  
11th IWA EE YWP Conference: Water for All, Water for Nature, Reliable Water Supply, Wastewater, Treatment and Reuse, Prag, Czech Republic, 01 October 2019, (Summary Text)
- XII. **Process Performance Optimization for Mainstream MBBR Partial Nitritation Anammox systems: The Use of Model Predictive DO Control**  
Kocamemi B., Uz Kurt Kaljunen N.  
11th IWA Young YWP Conference , Praha, Czech Republic, 1 - 05 October 2019, (Summary Text)
- XIII. **Hydrazine and hydroxylamine data as a tool to monitor deammonification systems: Towards possible**

**real-time monitoring**

KOCAMEMİ B., Çelik S.

WEFTEC 2019, 21 - 25 September 2019, (Full Text)

- XIV. **Sensitivity analysis of MBBR deammonification model in BioWin software**  
Kocamemi B., Uz Kurt Kaljunen N.  
4. Eurasian Conference on Civil and Environmental Engineering, İstanbul, Turkey, 17 June 2019 - 19 June 2020, (Unpublished)
- XV. **Can We Benefit From Hydroxylamine and Hydrazine Generating In Anammox Reactors? : The Possible Use In Nanobiotechnology Applications**  
Erdim E., Kocamemi B.  
3rd IWA Resource Recovery Conference, Venice, Italy, 08 September 2019, (Summary Text)
- XVI. **Affecting Initial Biofilm Attachment on Virgin Carriers during start-up of Moving Bed Biofilm Reactor (MBBR) Systems: A pilot study in Istanbul, Turkey**  
KOCAMEMİ B., Çelik S.  
10th IWA YWP Conference, Zagreb, 7 - 11 May 2018, (Summary Text)
- XVII. **The effects of Nano Zero Valent Iron (ZVI) Particles on Anaerobic Ammonium Oxidation (Anammox) Process**  
Kocamemi B., Fırat Z., Erdim E.  
ICOCEE, İzmir, Turkey, 24 - 27 April 2018, (Summary Text)
- XVIII. **Use of Moving Bed Biofilm reactor Systems for Nitrogen Removal from Sewage**  
KOCAMEMİ B., Çelik S.  
ICOCEE Cesme 2018-International Conference on Civil and Environmental Engineering, Izmir, Türkiye, 24 - 27 April 2018, (Summary Text)
- XIX. **CHALLENGES OF PARTIAL NITRIFICATION PRIOR TO ANAMMOX APPLICATION FOR MAINSTREAM SEWAGE : A PILOT STUDY FOR BURSA SEWAGE TREATMENT PLANT IN TURKEY**  
KOCAMEMİ B., Uflaz H., Kurt H.  
Wef Nutrient Symposium 2017, 12 - 14 June 2017, (Full Text)
- XX. **The First Pilot Scale Anammox Plant in Turkey: A case study of Bursa STP**  
Uflaz H., KOCAMEMİ B.  
ICOCEE 2017, 8 - 10 May 2017, (Summary Text)
- XXI. **Enhancement of Anaerobic Ammonium Oxidation (Anammox) Process: The use of one-pot synthesized nanoscale zero-valent iron (nZVI).**  
ERDİM E., YÜCESOY ÖZKAN Z., Kurt H., Dilsizoğlu N., Çetin S., Şanlı F., KOCAMEMİ B.  
WEFTEC 2017, Chicago, United States Of America, 30 September - 04 November 2017, (Full Text)
- XXII. **The use of Combined Partial Nitritation and Anammox Process for Mainstream Sewage Treatment**  
KOCAMEMİ B., Dityapak D.  
WEFTEC 2016, Water Environment Federation's Annual Technical Exhibition and Conference, New Orleans, USA, New Orleans, United States Of America, 24 - 28 September 2016, (Full Text)
- XXIII. **Maximum Heat Recovery And Utilization System In A Municipal Activated Sludge Fluidized Bed Incineration Plant A Case Study For Bursa Turkey**  
Aktuz E., Yu J., KOCAMEMİ B., Özen T., İzgi D.  
WEFTEC 2016, Water Environment Federation's Annual Technical Exhibition and Conference, New Orleans, USA, New Orleans, United States Of America, 24 - 28 September 2016, (Full Text)
- XXIV. **Influence of Operating Parameters and Wastewater Constituents on the Performance of Anammox Process**  
KOCAMEMİ B., Dityapak D., Öktem H.  
WEF- IWA Nutrient Removal and Recovery 2016, Denver, USA, 10 - 13 July 2016, (Full Text)
- XXV. **Partial Nitrification of Domestic Wastewater under Oxygen Limited Conditions**  
KOCAMEMİ B., Çiçek E.  
ICOCEE INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 20 - 23 May 2015, (Summary Text)

- XXVI. **Application of Low Intensity Ultrasound to enhance biological phosphorus removal**  
KOCAMEMİ B., Güre N., Sarıalioğlu F., Kuzey C., Saatçı A. M.  
ICOCEE International Conference on Civil and Environmental engineering, 20 - 23 May 2015, (Summary Text)
- XXVII. **Novel Nitrogen Removal Technologies For Wastewater Treatment An overview of ANAMMOX Anaerobic Ammonium Oxidation Process**  
KOCAMEMİ B., Dityapak D.  
2nd Caspian International Aqua Technologies Exhibition and Conference (Catec 2014 ), 10 - 12 April 2014, pp.629-635, (Full Text)
- XXVIII. **Real Time Monitoring of Process Dynamics in Anammox Reactors**  
Kocamemi B., Dityapak D.  
WEF IWA Nutrient Removal and Recovery , Vancouver, Canada, 28 - 31 July 2013, pp.47-48, (Summary Text)
- XXIX. **Quantitative analysis of Candidatus Accumilibacter phosphatis on lab scale denitrifying phosphorus removal sequencing batch reactors**  
Ergal İ., SEMERCİ N., KOCAMEMİ B., Kurt H., AKARSUBAŞI A. T.  
ISME 14th International Symposium on Microbial Ecology, Kopenhagen, Denmark, 19 August 2012, (Summary Text)
- XXX. **Quantitative analysis of Candidatus Accumilibacter phosphatis on lab scale denitrifying phosphorus removal sequencing batch reactors**  
Esen E., DİTYAPAK D., KURT H., Kumru M., KOCAMEMİ B., SEMERCİ N., AKARSUBAŞI A. T.  
ISME 14th International Symposium on Microbial Ecology, Kopenhagen, Denmark, 19 August 2012, (Summary Text)
- XXXI. **Evaluation of pH, ORP and conductivity profiles in an Anammox reactor started-up using municipal activated sludge seed**  
KOCAMEMİ B., Dityapak D., SEMERCİ N.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22, (Summary Text)
- XXXII. **Evaluation of oxic and anoxic phosphate removal in a post-denitrification system**  
Semerci N., Bakici N., Kocamemi B.  
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22, (Summary Text)
- XXXIII. **Effects of nitrite, oxygen and initial pH on biological phosphorus removal in a post-denitrification system**  
SEMERCİ N., Bakici N., Kocamemi B.  
14th International Biotechnology Symposium and Exhibition (IBS-2008), Rimini, Italy, 14 - 18 September 2010, vol.150, (Summary Text)
- XXXIV. **Monitoring of anaerobic ammonium oxidation (ANAMMOX) process start-up via on-line measurements in a sequencing batch reactor**  
Kocamemi B., Dityapak D., Semerci N.  
14th International Biotechnology Symposium and Exhibition (IBS-2008), Rimini, Italy, 14 - 18 September 2010, vol.150, (Summary Text)
- XXXV. **Kinetic Analysis of Cometabolic Trichloroethylene TCE Degradation by Nitrifiers**  
KOCAMEMİ B., ÇEÇEN F.  
Micropol & Ecohazard 2007, 5th International Water Association (IWA) Specialized Conference on Assessment and Control of Micropollutants / Hazardous Substances in Water, Frankfurt am Main/ Germany, Frankfurt, Germany, 17 - 20 June 2007, (Summary Text)
- XXXVI. **Inhibitory Effect of the Xenobiotic 1,2-DCA in a Nitrifying Biofilm Reactor**  
KOCAMEMİ B., ÇEÇEN F.  
Biofilm IV Congress of the International Water Association (IWA), Amsterdam-The Netherlands, Amsterdam, Netherlands, 24 - 27 September 2006, (Summary Text)
- XXXVII. **Cometabolic Degradation of TCE in Enriched Nitrifying Batch Systems**  
KOCAMEMİ B., ÇEÇEN F.  
4th International Water Association (IWA) World Water Congress, Marrakech, 19 - 24 September 2004
- XXXVIII. **The Effect of Land Based Sea Pollution in An Old Mining Region": A Case Study from Northern Cyprus**  
Gökyay O., Yükselen M. A., Çallı B., Kocamemi B.

Paris 2000: 1st World Congress of the International Water Association (IWA), Paris, France, 3 - 07 July 2000, (Unpublished)

## Other Publications

- I. **Atıksular ile Covid19 Takibi- Röportaj**  
Kocamemi B., Saatci A. M.  
Other, pp.12-17, 2021
- II. **Atıksular ve Atıksu Çamurları ile Covid19 Takibi: Türkiye Örneği**  
Kocamemi B., Kurt H., Erken E., Saatci A. M.  
Other, pp.6-9, 2021
- III. **Routine SARS-CoV-2 wastewater surveillance results in Turkey to follow Covid-19 outbreak.**  
Kocamemi B.  
Technical Report, pp.1-16, 2020
- IV. **Nationwide SARS-CoV-2 Surveillance Study for Sewage and Sludges of Wastewater Treatment Plants in Turkey**  
Kocamemi B.  
Technical Report, pp.1-21, 2020
- V. **SARS-CoV-2 Detection in Istanbul Wastewater Treatment Plant Sludges**  
Kocamemi B.  
Technical Report, pp.1-11, 2020
- VI. **First Data-Set on SARS-CoV-2 Detection for Istanbul Wastewaters in Turkey**  
Kocamemi B.  
Technical Report, pp.1-10, 2020

## Funded Projects

Kocamemi B., Project Supported by Other Official Institutions, Anammox Hareketli Yatak Biyofilm Reaktör Pilot Tesisi, 2017 - 2025

Ayaz N. D., Göncüoğlu M., Ertaş Onmaz N., Onaran Acar B., Çufaoğlu G., Kocamemi B., TUBITAK Project, Başlıca gıda patojenlerinin biyokontrolüne yönelik bakteriyofaj preparatlarının geliştirilmesi, 2021 - 2024

Güven Ö., Kocamemi B., Erken E., Kurt H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Build a SARS-CoV-2 surveillance system using sewage sludge monitoring from a community health perspective, 2021 - 2023

Kocamemi B., Project Supported by Other Official Institutions, Türkiye Atıksularında ve Çamurlarında SARS-CoV-2 Taraması ile Covid-19 Yayılımının İncelenmesi, 2020 - 2023

Kocamemi B., TUBITAK Project, Nitrifikasyon Prosesine Yenilikçi bir Yaklaşım: Tam Amonyum Oksidasyonu (COMAMMOX) Prosesi, 2021 - 2022

Kocamemi B., Municipality, Nitrogen removal from sewage via partial nitrification and Anammox processes, 2015 - 2022

Kocamemi B., Bayramoğlu T. H., TUBITAK Project, Investigation of an Inovative DAMO (Denitrifying Anaerobic Methane Oxidation)-Anammox (Anaerobic Ammonium Oxidation)-Microalgal Integrated Treatment System with the Aim of Greenhouse Gases Mitigation and Nutrient Removal,, 2019 - 2021

Kocamemi B., Erken E., TUBITAK Project, Nitrogen removal via ANAMMOX process in Moving Bed Biofilm Reactor (MBBR) systems, 2017 - 2021

Kocamemi B., Nas B., Project Supported by Other Official Institutions, ATIKSU ARITMA TESİSLERİNDE ÇALIŞAN TEKNİK PERSONELE İLİŞKİN EĞİTİM VE SERTİFİKA PROGRAMLARININ ARAŞTIRILMASI VE ÜLKEMİZE ÖZGÜ MODELİN GELİŞTİRİLMESİ PROJESİ(AATSER) :, 2019 - 2020

Kocamemi B., Project Supported by Higher Education Institutions, The Effects of Nano Zero Valent Iron (nZVI) Particles on Anaerobic Ammonium Oxidation (Anammox) Process, 2018 - 2019

Kocamemi B., Project Supported by Higher Education Institutions, Dynamic Simulation and Modelling of Start-Up Phase



of Deammonification Systems, 2018 - 2019

Kocamemi B., Project Supported by Other Private Institutions, Ataköy Atıksu Arıtma Tesisi II. Aşama Projesi Kojen ve Çamur Kurutma Sistemi Isı Dengesi Optimizasyonu Ar-Ge Çalışması, 2016 - 2017

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WATER RESEARCH, Journal Indexed in SCI-E, May 2021  
SCIENCE OF THE TOTAL ENVIRONMENT, Journal Indexed in SCI-E, March 2021  
Bioresource Technology, Journal Indexed in SCI-E, February 2021  
CHEMOSPHERE, SCI Journal, December 2020  
SCIENCE OF THE TOTAL ENVIRONMENT, Journal Indexed in SCI-E, October 2020  
WATER RESEARCH, Journal Indexed in SCI-E, September 2020  
Bioresource Technology, Journal Indexed in SCI-E, September 2020  
WATER RESEARCH, Journal Indexed in SCI-E, August 2020  
Bioresource Technology, Journal Indexed in SCI-E, January 2020  
Bioresource Technology, Journal Indexed in SCI-E, December 2019  
CHEMOSPHERE, SCI Journal, November 2019  
CHEMOSPHERE, SCI Journal, August 2019  
JOURNAL OF HAZARDOUS MATERIALS, Journal Indexed in SCI-E, June 2019  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, Journal Indexed in SCI-E, April 2019  
JOURNAL OF HAZARDOUS MATERIALS, Journal Indexed in SCI-E, April 2019  
JOURNAL OF HAZARDOUS MATERIALS, Journal Indexed in SCI-E, March 2019  
SCIENCE OF THE TOTAL ENVIRONMENT, Journal Indexed in SCI-E, March 2019  
Bioresource Technology, Journal Indexed in SCI-E, March 2019  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal, March 2019  
WATER SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, March 2019  
SCIENCE OF THE TOTAL ENVIRONMENT, Journal Indexed in SCI-E, December 2018  
WATER SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2018  
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## **Metrics**

Publication: 68  
Citation (WoS): 299  
Citation (Scopus): 351  
H-Index (WoS): 8  
H-Index (Scopus): 8

## **Non Academic Experience**

Company, Antel Aritma Ltd, Çevre Mühendisliği, Environmental Engineer  
ANTEL Aritma Tesisleri, İnşaat San. ve Tic. A.Ş, Proje Mühendisi