

Res. Asst. SERDAR ŞAM

Personal Information

Email: serdar.sam@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/serdar.sam>

International Researcher IDs

ScholarID: otb-g5MAAAAJ

ORCID: 0000-0002-1019-8554

Yoksis Researcher ID: 158571

Biography

Environmental Engineering, Marmara University (BSc)

Environmental Engineering, Marmara University (MSc)

Environmental Engineering, Marmara University (PhD)

Research Fields:

Particle aggregation

Chemical treatment

Treatment & ozonation of NOM

Sludge dewatering

Foreign Languages

English, C1 Advanced

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Technology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Environmental Engineering, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Flocculating performances of exopolysaccharides produced by a halophilic bacterial strain cultivated on agro-industrial waste**
ŞAM S., Kucukasik F., Yenigun O., Nicolaus B., Oner E., Yukselen M. A.
BIORESOURTE TECHNOLOGY, vol.102, no.2, pp.1788-1794, 2011 (SCI-Expanded)
- II. **The Effect of Ozone on the Reversibility of Floc Breakage: Suspensions with High Humic Acid Content**
Sam S., Yukselen M. A., Zorba M., Gregory J.
OZONE-SCIENCE & ENGINEERING, vol.32, no.6, pp.435-443, 2010 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Pharmaceuticals removal by adsorption with functionalized cellulose based foam**
Kalule S., Can Z. S., Haciosmanoğlu G. G., Şam S., Deghles A., Hamed O. A.
İTÜ 2nd INTERNATIONAL GRADUATE RESEARCH SYMPOSIUM IGRS'23, İstanbul, Turkey, 16 - 18 May 2023
- II. **EVALUATION OF HEAVY METAL SORPTION CAPACITIES OF CELLULOSE BASED ADSORBENTS WITH IONIC FUNCTIONAL GROUPS – AQUEOUS COBALT (II) ION REMOVAL –**
Hashi A. A., Erdoğan B., Kuzucu Y., Şam S., Haciosmanoğlu G. G., Deghles A., Hamed O. A., Can Z. S.
IWA DIPCON 2022, İstanbul, Turkey, 24 - 28 October 2022, no.92, pp.217-223
- III. **Study on Adsorption Performance of MIL-101(Cr) for Ibuprofen Uptake from Aqueous Media**
Faisal M., Engel H. B., Haciosmanoğlu G. G., Şam S., Kiran Yıldırım B., Genç S., Can Z. S.
1 st International Conference on Advances in Engineering, Architecture, Science and Technology, Turkey, 15 - 17 December 2021
- IV. **Synthesis and Characterization of Magnetic Metal Organic Framework (MOF) for Methyl Orange Removal from Aqueous Solutions**
Karakaya B., Kiran Yıldırım B., Can Z. S., Haciosmanoğlu G. G., Şam S., Genç S.
1 st International Conference on Advances in Engineering, Architecture, Science and Technology, Erzurum, Turkey, 15 - 17 December 2021, vol.1, no.67, pp.642
- V. **Investigation of the Effect of Pre-ozonation on Organic Matter Removal via Flocculation**
ŞAM S., YÜKSELEN M. A., CAN Z. S.
THE 11TH EASTERN EUROPEAN YOUNG WATER PROFESSIONALS CONFERENCE - Water for All - Water for Nature, Reliable Water Supply, Wastewater Treatment and Reuse, 1 - 05 October 2019
- VI. **Halofil kaynaklı ekzopolisakkaritlerin flokülasyon performanslarının incelenmesi**
ŞAM S., Küçükaşık F., YENİGÜN O., TOKSOY ÖNER E., YÜKSELEN M. A.
II. UlusalEkoloji ve Çevre Öğrenci Kongresi, Çanakkale, Turkey, 23 - 25 September 2010
- VII. **Ekstremofil kaynaklı ekzopolisakkaritlerin biyoflokülant özellikleri**
ŞAM S., Küçükaşık F., YENİGÜN O., TOKSOY ÖNER E., YÜKSELEN M. A.
12. EndüstriyelKirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 16 - 18 June 2010
- VIII. **Comparison of coagulation performances of monomeric and polymeric hydrolysing coagulants under increasing humic acid and pre-ozonation conditions**
ŞAM S., YÜKSELEN M. A., Gregory J.
4th IWA Specialist Conference - NaturalOrganic Matter: from Source to Tap, Bath, United Kingdom, 2 - 04 September 2008
- IX. **Impact of ozonation on thefloc reversibility in waters with high organic content**
YÜKSELEN M. A., ŞAM S., Dede A., Gregory J.
IWA - International Conference onParticle Separation (IWA-PS 2007), Toulouse, France, 9 - 11 July 2007
- X. **Kimyasal çamur floklarının özellikleri ve hızlı karıştırma süresinin susuzlaştırmaya etkisi**
ŞAM S., YÜKSELEN M. A.
Ulusal Çevre Sempozyumu, Mersin, Turkey, 01 May 2007
- XI. **Reversibility of floc breakage: Importance for sludge dewatering properties**
ŞAM S., YÜKSELEN M. A.

Environment: Survival and Sustainability Symposium, Lefkoşa, Cyprus (Kkct), 19 - 24 February 2007

XII. Importance of rapid mixing time on sludge dewatering properties

ŞAM S., YÜKSELEN M. A.

Environment: Survival and Sustainability Symposium, Lefkoşa, Cyprus (Kkct), 19 - 24 February 2007

XIII. Aggregation and breakage of activated sludge flocs: implication for dewatering

YÜKSELEN M. A., Salpar G. D., ŞAM S., Saatçı A. M.

IWA Specialized Conference - Sustainable Sludge Management: state of the art, challenges and perspectives, Moskva, Russia, 29 - 31 May 2006

XIV. Kimyasal çamur floklarının özellikleri ve susuzlaştırma uygulamaları

ŞAM S., YÜKSELEN M. A.

Çevre Kirlenmesi Öncelikleri Sempozyumu V (ÇEVKOS V), Kocaeli, Turkey, 01 May 2006

Supported Projects

Akkoyunlu B. O., TUBITAK Project, Yağış Alt olay Örnekleme ve Analizi ile Bulut Altı Temizleme Mekanizmasının İncelenmesi, 2010 - 2012

Toksoy Öner E., TUBITAK Project, Bioethanol - A Source of Renewable Energy from Extremophiles, 2009 - 2011
Şam S., Saatçı A. M., Project Supported by Higher Education Institutions, Ön ozonlamanın hümit madde flokülasyonuna etkisinin incelenmesi, 2009 - 2009

Tayanç M., TUBITAK Project, Türkiye'de İklim Değişkenliği: İstanbul'da Yeni Bir Gözlem Ağı ve Tarihsel Veriler, 2007 - 2009

Can Z. S., Yükselen M. A., Gökyay O., TUBITAK Project, Yüksek Çözünmüş Organik Madde İçeren Sularda Flok Yapılarının İncelenmesi, 2005 - 2008

Şam S., Yükselen M. A., Project Supported by Higher Education Institutions, Kimyasal çamur floklarının özellikleri ve bunların susuzlaştırmaya etkisi, 2005 - 2007

Yükselen M. A., TUBITAK Project, Yüksek organik madde içeren sularda flok yapısının incelenmesi, 2005 - 2007

Metrics

Publication: 16

Citation (WoS): 78

Citation (Scopus): 96

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

Investigation of the Effect of Pre-ozonation on Organic Matter Removal via Flocculation, Working Group, Praha, Czech Republic, 2019

Halofil kaynaklı ekzopolisakkaritlerin flokülasyon performanslarının incelenmesi, Working Group, Çanakkale, Turkey, 2010

Ekstremofil kaynaklı ekzopolisakkaritlerin biyoflokülant özellikleri, Working Group, İstanbul, Turkey, 2010

Comparison of coagulation performances of monomeric and polymeric hydrolysing coagulants under increasing humic acid and pre-ozonation conditions, Working Group, London, United Kingdom, 2008

Impact of ozonation on the floc reversibility in waters with high organic content, Working Group, Toulouse, France, 2007

Kimyasal çamur floklarının özellikleri ve hızlı karıştırma süresinin susuzlaştırmaya etkisi, Working Group, Mersin, Turkey, 2007

Reversibility of floc breakage: Importance for sludge dewatering properties, Working Group, Lefkoşa, Cyprus (Kkct),

2007

Importance of rapid mixing time on sludge dewatering properties, Working Group, Lefkoşa, Cyprus (Kktc), 2007

Kimyasal çamur floklarının özellikleri ve susuzlaştırma uygulamaları, Working Group, Kocaeli, Turkey, 2006

Aggregation and breakage of activated sludge flocs: implication for dewatering, Working Group, Moscow, Russia, 2006