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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Bölümü, Turkey 2014 - 2021

Postgraduate, Gebze Technical University, Institute Of Science, Turkey 2011 - 2014

Undergraduate, Bursa Uludağ University, Faculty Of Engineering, Turkey 2004 - 2009

Dissertations

Doctorate, TREATABILITY OF ENDOCRINE DISRUPTING CHEMICALS IN WATER AND WASTEWATER BY OZONE AND PHOTOCATALYTIC OXIDATION METHODS: KINETIC STUDIES AND COST EVALUATION OF PROCESS VARIABLES, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Bölümü, 2021

Postgraduate, BOYAR MADDE, PESTİSİT ve ANTİBİYOTİK İÇEREN SULARIN FOTOKATALİTİK PROSESLERLE ARITIMINDA ZnO/TiO₂ KOMPOZİT PLAKALARIN KULLANIMI, Gebze Yüksek Teknoloji Enstitüsü, 2014

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Technology, Water Pollution and Control, Water Supply and Treatment

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2018 - Continues

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Bölümü, 2013 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Deep purification of pretreated laundry wastewater through the adsorption by polymeric composites and optimisation of the process**
VELİ S., ARSLAN A., TOPKAYA E., GULUMSER C., KURTKULAK H., BELAT B., ZEYBEK S., ZOR S., DIMOĞLO A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2021 (Journal Indexed in SCI)
- II. **Diclofenac Degradation by Ozone-Based Oxidation Processes: PROMETHEE Method, Kinetic and Cost-Effectiveness Study**
TOPKAYA E., ARSLAN A., YATMAZ H. C.
Ozone-Science & Engineering, vol.43, pp.136-146, 2021 (Journal Indexed in SCI)
- III. **Optimization of Ultrasonication Process for the Degradation of Linear Alkyl Benzene Sulfonic Acid by Response Surface Methodology**
Arslan A., Topkaya E., Veli S., Bingöl D.

CLEAN-SOIL AIR WATER, vol.46, 2018 (Journal Indexed in SCI)

- IV. **Application of O-3/UV/ H2O2 oxidation and process optimization for treatment of potato chips manufacturing wastewater**
ARSLAN A., TOPKAYA E., ÖZBAY B., ÖZBAY İ., VELİ S.
WATER AND ENVIRONMENT JOURNAL, vol.31, no.1, pp.64-71, 2017 (Journal Indexed in SCI)
- V. **Pure ZnO and composite ZnO/TiO2 catalyst plates: A comparative study for the degradation of azo dye, pesticide and antibiotic in aqueous solutions**
Topkaya E., Konyar M., Yatmaz H. C. , Ozturk K.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.430, pp.6-11, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Advanced Treatment of Pre-treated Commercial Laundry Wastewater by Adsorption Process: Experimental Design and Cost Evaluation**
Veli S., Arslan A., Gülümser Ç., Topkaya E., Kurtkulak H., Zeybek Ş., Dimoglo A.
Journal of Ecological Engineering, vol.20, no.10, pp.165-171, 2019 (Journal Indexed in ESCI)
- II. **Removal of anionic surfactant sodium dodecyl sulfate from aqueous solutions by O-3/UV/H2O2 advanced oxidation process: Process optimization with response surface methodology approach**
Arslan A., Topkaya E., Bingöl D., Veli S.
SUSTAINABLE ENVIRONMENT RESEARCH, vol.28, pp.65-71, 2018 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **OZON BAZLI İLERİ OKSİDASYON PROSESLERİ İLE SULU ÇÖZELTİLERDEN TRİKLOSANIN ARITIMI (TREATMENT OF TRICLOSAN FROM AQUEOUS SOLUTIONS BY OZONE BASED ADVANCED OXIDATION PROCESSES)**
ARSLAN A., TOPKAYA E.
14. Ulusal 2. Uluslararası Çevre Mühendisliği Kongresi 2021, Kocaeli, Turkey, 09 December 2021
- II. **Metal Kaplama Endüstrisine Ait Atıksuların Fenton Prosesi ile Arıtımının İncelenmesi**
ARSLAN A., CAN DOĞAN E., TOPKAYA E., NARCI A. O. , BAŞTAR H., AÇIKGÖZ K., VELİ S.
I. Uluslararası Çevre Mühendisliği Kongresi, Kocaeli, Turkey, 10 - 12 October 2019, pp.326-333
- III. **Modeling of the Adsorption Process of Industrial Laundry Wastewaters with the Sunflower Seeds-Pyrrole-FeCl3 Composite**
VELİ S., İŞGÖREN M., ARSLAN A., TOPKAYA E., GÜLÜMSER Ç., KURTKULAK H., BELAT B., ZEYBEK Ş., ZOR S., DİMOGLO A.
2nd International Conferences on Science and Technology (ICONST'xx19), Prizren, Serbia And Montenegro, 26 - 30 August 2019, pp.181-190
- IV. **Evaluation of Reaction Variables in the Adsorption Process of Industrial Laundry Wastewaters with the Rice Husk Shell-PAn(K2S2O8) Composite by Response Surface Methodology**
VELİ S., ARSLAN A., İŞGÖREN M., TOPKAYA E., GÜLÜMSER Ç., KURTKULAK H., ZEYBEK Ş., ZOR S., DİMOGLO A.
International Congress on Engineering and Architecture (ENAR-2018), Antalya, Turkey, 14 - 16 November 2018, vol.1, pp.862-873
- V. **Synthesis of Waste Shells/Pyrrole-FeCl3 Composites and Application in Treatment of Industrial Laundry Wastewater**
VELİ S., ARSLAN A., İŞGÖREN M., TOPKAYA E., Gülümser Ç., Kurtkulak H., Zeybek Ş., ZOR S., DİMOGLO A.
Congress on Engineering and Architecture (ENAR-2018), Alanya, Turkey, 14 - 16 November 2018, pp.804-813
- VI. **Investigation of the Use of Adsorbents Derived from Waste Shells with Addition of PAn/K2S2O8 in Laundry Wastewater Treatment by Adsorption Methods,**
VELİ S., ARSLAN A., TOPKAYA E., GÜLÜMSER Ç., KURTKULAK H., ZEYBEK Ş., DİMOGLO A.

- 4th International Conference on Environmental Science and Technology- ICOEST, Kiev, Ukraine, 19 - 23 September 2018, pp.158-163
- VII. **Investigation of Bisphenol A Solutions Treatability by Using Ozone Based Oxidation Processes**
TOPKAYA E., ARSLAN A.
4th International Conference on Environmental Science and Technology- ICOEST, Kiev, Ukraine, 19 - 23 September 2018, pp.164-171
- VIII. **Investigation of Food Industry Wastewater Treatment with Aqua-Multalite/Polypyrrole Composite Adsorption**
ARSLAN A., VELİ S., TOPKAYA E.
4th International Turkic World Conference on Chemical Sciences and Technologies, Kiev, Ukraine, 7 - 10 September 2018
- IX. **Treatability of Bisphenol A Aqueous Solutions with Advanced Oxidation processes by Based on Ozonation**
TOPKAYA E., ARSLAN A.
3.International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.601-607
- X. **Investigation of Greywater Treatment by Adsorption Process Using Polymeric Composites Supported with Activated Carbon**
VELİ S., ARSLAN A., TOPKAYA E., KURTKULAK H., ZEYBEK Ş., GÜLÜMSER Ç., DİMOĞLO A.
3.International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.628-634
- XI. **Activated Carbon Production from Walnut Shell by Application of Different Activating Agents**
VELİ S., ARSLAN A., ZEYBEK Ş., KURTKULAK H., TOPKAYA E., GÜLÜMSER Ç., DİMOĞLO A.
3.International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018
- XII. **Cost Evaluation of Aqueous Solutions Containing of Anionic Surfactant by US Process Treatability**
TOPKAYA E., ARSLAN A., VELİ S.
III International Conference on Environmental Science and Technology, Budapest, Hungary, 19 - 23 October 2017, pp.1-6
- XIII. **Removal of Linear Alkyl Benzene Sulphonic Acid by Sonication Process**
ARSLAN A., TOPKAYA E., VELİ S., BİNGÖL D.
III International Conference on Environmental Science and Technology, Budapest, Hungary, 19 - 23 October 2017, pp.15-21
- XIV. **Removal of Linear Alkyl Benzene Sulphonic Acid in Aqueous Solution by Ozone and Photocatalytic Ozone Processes**
ARSLAN A., VELİ S., TOPKAYA E., ZOR S.
2nd International Conference on Civil and Environmental Engineering (ICOCEE-2017), Nevşehir, Turkey, 8 - 10 May 2017, vol.1, pp.3565-3576
- XV. **Treatability of Wastewaters Containing Methylene Blue with Ultrasonic Processes**
ARSLAN A., VELİ S., TOPKAYA E.
ICOCEE,2017- 2nd International Conference on Civil and Environmental Engineering, 8 - 10 May 2017
- XVI. **An Investigation of Malathion Treatability by O₃ and O₃ UV Processes from Aqueous Solutions**
İŞGÖREN M., ARSLAN A., TOPKAYA E., VELİ S.
International Science and Technology Conference, Viyana, Austria, 13 - 15 July 2016
- XVII. **Treatability of Food Industry Wastewater by O₃ UV H₂O₂ Advanced Oxidation Processes**
TOPKAYA E., ARSLAN A., ÖZBAY B., ÖZBAY İ., VELİ S.
International Science and Technology conference, viyana, Austria, 13 - 15 July 2016

Scientific Refereeing

Journal of advanced research in natural and applied sciences (Online), National Scientific Refreed Journal, December 2021

Citations

Total Citations (WOS):117

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