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Education Information

Doctorate, Istanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1999 - 2005

Dissertations

Doctorate, MODEL-BASED ACTIVATED SLUDGE SYSTEMS ANALYSIS FOR CARBON, NITROGEN AND PHOSPHORUS REMOVAL MECHANISMS, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 2005

Research Areas

Environmental Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2017 - Continues

Associate Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2009 - 2017

Assistant Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2006 - 2009

Research Assistant, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 1998 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Insights into the acute effect of anti-inflammatory drugs on activated sludge systems with high solids retention time**
Ciftcioglu B., Demirkaya E., Salih E., Soylu D., Özyıldız G., Zengin Balcı G. E. , Guven D., Topuz E., Pala Özkök I., Insel G., et al.
ENVIRONMENTAL TECHNOLOGY, vol.42, no.25, pp.3920-3931, 2021 (Peer-Reviewed Journal)
- II. Modeling the impact of membrane filtration on organic carbon removal by the activated sludge process for tannery wastewater**
Sözen S., Yucel A. B. , Insel G., Orhon D.
DESALINATION AND WATER TREATMENT, vol.215, pp.405-413, 2021 (Peer-Reviewed Journal)

- III. **Anatomy of the organic carbon in an industrial wastewater: Implications of particle size distribution, respirometry and process modelling**
Doğruel S., Altun A., Çokgör E., Insel G., KESKİNLER B., Orhon D.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.146, pp.257-266, 2021 (Peer-Reviewed Journal)
- IV. **Determination of the potential of pickle wastewater as feedstock for biopolymer production**
Guventurk A., Ozturk D., Özyıldız G., Ayisigi E., Guven D., Zengin G. E. , Tas D., Olmez-Hanci T., Pala-Ozkok I., Yağcı N., et al.
WATER SCIENCE AND TECHNOLOGY, vol.81, no.1, pp.21-28, 2020 (Peer-Reviewed Journal)
- V. **Assessment of anoxic volume ratio based on hydrolysis kinetics for effective nitrogen removal: model evaluation**
Insel G., Sözen S., Yucel A. B. , Gokcekus H., Orhon D.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.94, no.6, pp.1739-1751, 2019 (Peer-Reviewed Journal)
- VI. **Pollutant footprint analysis for wastewater management in textile dye houses processing different fabrics**
Sözen S., DULKADİROĞLU H., Yucel A. B. , Insel G., Orhon D.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.94, no.4, pp.1330-1340, 2019 (Peer-Reviewed Journal)
- VII. **A novel modeling approach for evaluating microbial mechanism and design of contact stabilization process**
ALLI B., INSEL G., Sozen S., Orhon D.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.93, no.4, pp.1121-1136, 2018 (Peer-Reviewed Journal)
- VIII. **Membrane integrated process for advanced treatment of high strength Opium Alkaloid wastewaters**
INSEL G., Karagunduz A., Aksel M., Çokgör E., KOR-BICAKCI G., Özyıldız G., Toröz İ., Keskinler B.
WATER SCIENCE AND TECHNOLOGY, vol.77, no.7, pp.1899-1908, 2018 (Peer-Reviewed Journal)
- IX. **Dynamic modeling of nutrient removal by a MBR operated at elevated temperatures**
SARIOGLU M., SAYI-UCAR N., Cokgor E., ORHON D., van L., INSEL G.
WATER RESEARCH, vol.123, pp.420-428, 2017 (Peer-Reviewed Journal)
- X. **Impact of paint shop decanter effluents on biological treatability of automotive industry wastewater**
GUVEN D., HANHAN O., AKSOY E. C. , Insel G., Çokgör E.
JOURNAL OF HAZARDOUS MATERIALS, vol.330, pp.61-67, 2017 (Peer-Reviewed Journal)
- XI. **EVALUATION OF WATER REUSE IN A METAL FINISHING INDUSTRY**
INSEL G., Gümüşlü E., Yuksek G., UCAR N. S. , Cokgor E., OLMEZ-HANCI T., TAS D., BABUNA F. F. , ERTEM D. F. , OkmenYildirim O., et al.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.421-425, 2017 (Peer-Reviewed Journal)
- XII. **COMPARISON OF SYNTHETIC AND DOMESTIC WASTEWATER EFFLUENTS FOR COUPLING NITROGEN REMOVAL AND CHLORELLA VULGARIS AND SCENEDESMUS DIMORPHUS PRODUCTION**
Insel G., Gürel M., Pehlivanoglu-Mantas E., Tas D., Ica T., Cokgor E. U. , GENCSOY E. B. , MOVAHEDPOUR F., GORGUN E., OZBASARAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.433-438, 2017 (Peer-Reviewed Journal)
- XIII. **Biological NO_x removal by denitrification process in a jet-loop bioreactor: system performance and model development**
Durmazpinar S., Ilhan N., Demir G., Insel G., Dizge N., Ergenekon P., Erhan E., Keskinler B.
ENVIRONMENTAL TECHNOLOGY, vol.35, no.11, pp.1358-1366, 2014 (Peer-Reviewed Journal)
- XIV. **Nitrogen removal performance of intermittently aerated membrane bioreactor treating black water**
Hocaoglu S. M. , ATASOY E., BABAN A., Insel G., ORHON D.
ENVIRONMENTAL TECHNOLOGY, vol.34, no.19, pp.2717-2725, 2013 (Peer-Reviewed Journal)
- XV. **Model evaluation of starch utilization by acclimated biomass with different culture history under pulse and continuous feeding**
ÇIĞGIN A. S. , Insel G., MAJONE M., ORHON D.

- BIORESOURCE TECHNOLOGY, vol.138, pp.163-171, 2013 (Peer-Reviewed Journal)
- XVI. **Respirometric evaluation and modelling of acetate utilization in sequencing batch reactor under pulse and continuous feeding**
Ciggin A. S. , Insel G., MAJONE M., ORHON D.
BIORESOURCE TECHNOLOGY, vol.107, pp.61-69, 2012 (Peer-Reviewed Journal)
- XVII. **Dynamic in-series resistance modeling and analysis of a submerged membrane bioreactor using a novel filtration mode**
Sarioglu M., Insel G., ORHON D.
DESALINATION, vol.285, pp.285-294, 2012 (Peer-Reviewed Journal)
- XVIII. **Stoichiometric and kinetic evaluation of simultaneous nitrification and denitrification in a membrane bioreactor at steady state**
SARIOGLU M., Insel G., Artan N., ORHON D.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.86, no.6, pp.798-811, 2011 (Peer-Reviewed Journal)
- XIX. **Conceptual basis for the appropriate design of biological wastewater treatment systems: drawbacks of existing prescriptions**
Insel G., Dulekgurgen E., SOZEN S., ORHON D.
DESALINATION AND WATER TREATMENT, vol.26, pp.104-110, 2011 (Peer-Reviewed Journal)
- XX. **Pollution profile and biodegradation characteristics of fur-suede processing effluents**
Tore G. Y. , Insel G., Çokgör E., FERLIER E., Kabdasli I., ORHON D.
ENVIRONMENTAL TECHNOLOGY, vol.32, no.10, pp.1151-1162, 2011 (Peer-Reviewed Journal)
- XXI. **Mechanism and design of intermittent aeration activated sludge process for nitrogen removal**
Hanhan O., Insel G., YAGCI N., ARTAN N., ORHON D.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.46, no.1, pp.9-16, 2011 (Peer-Reviewed Journal)
- XXII. **Model-based process analysis of partial nitrification efficiency under dynamic nitrogen loading**
Güven D., KUTLU O., Insel G., SOZEN S.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.32, no.5, pp.655-661, 2009 (Peer-Reviewed Journal)
- XXIII. **Biodegradability and Denitrification Potential of Settleable Chemical Oxygen Demand in Domestic Wastewater**
Tas D., KARAHAN Ö., Insel G., OVEZ S., ORHON D., SPANJERS H.
WATER ENVIRONMENT RESEARCH, vol.81, no.7, pp.715-727, 2009 (Peer-Reviewed Journal)
- XXIV. **Effect of biomass concentration on the performance and modeling of nitrogen removal for membrane bioreactors**
SARIOGLU M., Insel G., Artan N., ORHON D.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.44, no.8, pp.733-743, 2009 (Peer-Reviewed Journal)
- XXV. **Modeling Nitrogen Removal Performance of a Membrane Bioreactor Under Dissolved Oxygen Dynamics**
SARIOGLU M., Insel G., Artan N., ORHON D.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.26, no.5, pp.907-919, 2009 (Peer-Reviewed Journal)
- XXVI. **Model Based Optimization of Nitrogen Removal in a Full Scale Activated Sludge Plant**
İnsel H. G. , GOERGUEN E., Artan N., ORHON D.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.26, no.3, pp.471-480, 2009 (Peer-Reviewed Journal)
- XXVII. **Simulating activated sludge system by simple-to-advanced models**
Orhon D., Karahan Ö., Insel G.
JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.134, no.3, pp.227-229, 2008 (Peer-Reviewed Journal)
- XXVIII. **Model based evaluation for the anaerobic treatment of corn processing wastewaters**
Erşahin M. E. , Insel G., DEREELI R. K. , OZTURK İ., KINACI C.
CLEAN-SOIL AIR WATER, vol.35, no.6, pp.576-581, 2007 (Peer-Reviewed Journal)
- XXIX. **Effects of design and aeration control parameters on simultaneous nitrification and denitrification**

(SNDN) performance for activated sludge process

Insel G.

ENVIRONMENTAL ENGINEERING SCIENCE, vol.24, no.5, pp.675-686, 2007 (Peer-Reviewed Journal)

- XXX. **Respirometric assessment of biodegradation characteristics of the scientific pitfalls of wastewaters**
Orhon D., Insel G., Karahan Ö.
WATER SCIENCE AND TECHNOLOGY, vol.55, no.10, pp.1-9, 2007 (Peer-Reviewed Journal)
- XXXI. **Optimization of nitrogen removal for alternating intermittent aeration-type activated sludge system: A new process modification**
Insel G., Sozen S., BASAK S., ORHON D.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.41, no.9, pp.1819-1829, 2006 (Peer-Reviewed Journal)
- XXXII. **A calibration methodology and model-based systems analysis for SBRs removing nutrients under limited aeration conditions**
Insel G., SIN G., LEE D., Nopens I., VANROLLEGHEM P.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.81, no.4, pp.679-687, 2006 (Peer-Reviewed Journal)
- XXXIII. **Performance evaluation of SBR treatment for nitrogen removal from tannery wastewater**
MURAT S., Insel G., Artan N., ORHON D.
WATER SCIENCE AND TECHNOLOGY, vol.53, no.12, pp.275-284, 2006 (Peer-Reviewed Journal)
- XXXIV. **Effect of aeration on nutrient removal performance of oxidation ditch systems**
Insel G., Artan N., ORHON D.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.22, no.6, pp.802-815, 2005 (Peer-Reviewed Journal)
- XXXV. **Optimal but robust N and P removal in SBRs: a model-based systematic study of operation scenarios**
SIN G., Insel G., LEE D., VANROLLEGHERN P.
WATER SCIENCE AND TECHNOLOGY, vol.50, no.10, pp.97-105, 2004 (Peer-Reviewed Journal)
- XXXVI. **Identification and modelling of aerobic hydrolysis - application of optimal experimental design**
Insel G., ORHON D., VANROLLEGHEM P.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.78, no.4, pp.437-445, 2003 (Peer-Reviewed Journal)
- XXXVII. **Effect of temperature on the nitrogen removal performance of a sequencing batch reactor treating tannery wastewater**
Murat S., Insel G., Artan N., ORHON D.
WATER SCIENCE AND TECHNOLOGY, vol.48, pp.319-326, 2003 (Peer-Reviewed Journal)
- XXXVIII. **Important limitations in the modeling of activated sludge: biased calibration of the hydrolysis process**
Insel G., Gul Ö., ORHON D., VANROLLEGHEM P., HENZE M.
WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.23-36, 2002 (Peer-Reviewed Journal)
- XXXIX. **Ozonation of hydrolyzed azo dye reactive yellow 84 (CI)**
Koch M., YEDILER A., LIENERT D., Insel G., KETTRUP A.
CHEMOSPHERE, vol.46, no.1, pp.109-113, 2002 (Peer-Reviewed Journal)
- XL. **Evaluation of nitrogen removal efficiencies for predenitrification and alternating system**
Insel G., Sozen S., Gorgun E., Orhon D., Hanhan O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.10, no.3, pp.257-261, 2001 (Peer-Reviewed Journal)

Articles Published in Other Journals

- Mikrobiyal Biyopolimerler: Polihidroksialkanotların Biyoplastik Üretiminde Kullanımı Üzerine Genel Değerlendirme**
ÇOKGÖR E., PALA ÖZKÖK İ., GÜVEN D., ZENGİN BALCI G. E., OKUTMAN TAŞ D., YAĞCI N., SAYI UÇAR N., ÖZYILDIZ G., İNSEL H. G.

Çevre Bilim ve Teknoloji, 2018 (Non Peer-Reviewed Journal)

II. Assessment of Wastewater Reuse Potential for an Enamel Coating Industry.

İnsel H. G. , Gümüşlü e., YÜKSEK G., Sayı Uçar N., Çokgör E., Ölmez Hancı T., Okutman Taş D., Babuna F. F. , derya F. E. , Yıldırım Ö., et al.

World Academy of Science, Engineering and Technology International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering, vol.10, no.3, pp.306-309, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of the potential of pickle wastewater as feedstock for biopolymer production**
Güventürk A., Öztürk D., ÖZYILDIZ G., GÜVEN D., ZENGİN BALCI G. E. , OKUTMAN TAŞ D., ÖLMEZ HANCI T., PALA ÖZKÖK İ., YAĞCI N., İNSEL H. G. , et al.
10th IWA International Symposium on Waste Management Problems in Agro-Industries, Rodos, Greece, 19 - 21 June 2019
- II. **Metal son işleme sektörü: pişirici cihazlar işletmesinde boyahane atıksularının geri kazanım potansiyeline bir örnek**
Gümüşlü E., İNSEL H. G. , ÖLMEZ HANCI T., BABUNA F. F. , OKUTMAN TAŞ D., ÇOKGÖR E., Sayı Uçar N., YÜKSEK G., DİZGE N., Fırat Ertem D., et al.
2. Ulusal Çevre Mühendisliği Kongresi, Turkey, 5 - 07 October 2017
- III. **Aerobik Stabilizasyonda Partiküler Bileşenlerin Akıbeti**
KATİPOĞLU YAZAN T., OZDEMİR S., Kor Bıçakçı G., PALA ÖZKÖK İ., ZENGİN BALCI G. E. , OKUTMAN TAŞ D., İNSEL H. G. , Orhon D., ÇOKGÖR E.
12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 5 - 07 October 2017
- IV. **Metal Son İşleme Sektörü: Pişirici Cihazlar İşletmesinde Boyahane Atıksularının Geri Kazanım Potansiyeline Bir Örnek**
GÜMÜŞLÜ E., İNSEL H. G. , ÖLMEZ HANCI T., BABUNA F. F. , OKUTMAN TAŞ D., ÇOKGÖR E., SAYI UÇAR N., ÖZYILDIZ G., YÜKSEK G., DİZGE N., et al.
12. Ulusal Çevre Mühendisliği Kongresi, Turkey, 5 - 07 October 2017
- V. **Membran biyoreaktörlerde yüksek sıcaklığın ve çözülmüş oksijenin besi maddesi giderimi üzerine etkisinin modellenmesi**
SAYI UÇAR N., SARIOĞLU M., ÇOKGÖR E., ORHON D., İNSEL H. G.
MEMTEK 2017, 5. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 21 - 23 September 2017
- VI. **Estimating the Impact of Nutrient Emissions via Water Quality Modelling in the Melen Watershed**
Ertürk A., Gürel M., Ekdal A., Tavşan Ç., Şeker D. Z. , Çokgör E., İnsel H. G. , Pehlivanoğlu Mantaş E., Aydın E., Özgün H., et al.
11th International Conference on Diffuse Pollution and the 1st Joint Meeting of the IWA Diffuse Pollution and Urban Drainage Specialist Groups, Belo Horizonte, Brazil, 26 - 31 August 2007
- VII. **The effect of wastewater reuse on product quality for an oven manufacturing plant**
İnsel H. G. , Gümüşlü e., Çokgör E., Ölmez Hancı T., Okutman Taş D., Babuna F. F. , ERTEM D. F. , Erturan O., DİZGE N.
Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and to the SECOTOX Conference CEMEPE/SECOTOX, Thessaloniki, Greece, 25 - 30 June 2017
- VIII. **Wastewater Reuse Potential of Paint Operations in an Oven Manufacturing Plant**
Gümüşlü E., İnsel H. G. , Ölmez Hancı T., Babuna F. F. , Okutman Taş D., Çokgör E., Sayı Uçar N., Özyıldız G., Yüksek G., Fırat Ertem D., et al.
3rd International Conference on Recycling and Reuse, R&R 2016, İstanbul, Turkey, 28 - 30 September 2016, pp.244-249
- IX. **Evaluation of Coupling Nitrogen Removal and Growth of Microalgae Using Domestic Wastewater the World Multidisciplinary Earth Sciences Symposium**
GÜREL M., OKUTMAN TAŞ D., İNSEL H. G. , PEHLIVANOĞLU MANTAŞ E., ÇOKGÖR E., İÇA T., Gençsoy E. B. , Movahedpour F., Görgün E., Özbaşaran M.

the World Multidisciplinary Earth Sciences Symposium- WMESS 2016, Prague, 5 - 09 September 2016

- X. **Evaluation of Coupling Nitrogen Removal and Growth of Microalgae Using Domestic Wastewater**
GÜREL M., OKUTMAN TAŞ D., İNSEL H. G. , PEHLİVANOĞLU MANTAŞ E., ÇOKGÖR E., İÇA T., Gençsoy B., Movahedpour F., Görgün E., Özbaşaran M.
the World Multidisciplinary Earth Sciences Symposium- WMESS 2016, Prague, 5-9 September 2016, Czech Republic (Poster Presentation), Prague, Czech Republic, 5 - 09 September 2016
- XI. **Mikroalglerin atıksulardan azot giderme potansiyelinin belirlenmesi Mikroalglerin Su Kalitesi ve Çevresel Uygulamaları Sektörel Semineri**
İNSEL H. G. , PEHLİVANOĞLU MANTAŞ E., GÜREL M., İÇA T., Gençsoy E. B. , Movahedpour F., Görgün E., OKUTMAN TAŞ D., ÇOKGÖR E., Özbaşaran M.
Mikroalglerin Su Kalitesi ve Çevresel Uygulamaları Sektörel Semineri, İstanbul, Turkey, 30 May 2016
- XII. **Modelling long term nutrient removal performance of Membrane Bioreactor at high temperatures**
Sarioğlu M., Uçar Sayı N., İNSEL H. G. , ÇOKGÖR E., Orhon D., Loosdrecht M.
5th IWA/WEF Wastewater Treatment Modelling Seminar, 2 - 06 April 2016
- XIII. **Assessment of Wastewater Reuse Potential for an Enamel Coating Industry**
İNSEL H. G. , Gümüşlü E., YÜKSEK G., Sayı Uçar N., ÇOKGÖR E., ÖLMEZ HANCI T., OKUTMAN TAŞ D., BABUNA F. F. , Fırat Ertem D., Yıldırım Ö., et al.
18th International Conference on Water, Energy and Environmental Management, 24 - 25 March 2016
- XIV. **Assessment of Water Reuse Potential in a Metal Finishing Factory**
İNSEL H. G. , Gümüşlü e., YÜKSEK G., sayı n., ÇOKGÖR E., ÖLMEZ HANCI T., OKUTMAN TAŞ D., BABUNA F. F. , erdem d., yıldırım ö., et al.
18th International Conference on Water, Energy and Environmental Management, Madrid, Spain, 24 - 25 March 2016
- XV. **Upgrade of a Large Scale Industrial WWTP for Enhanced Biological Phosphorus Removal**
İNSEL H. G. , Ketenci ö., ZENGİN BALCI G. E. , ÇOKGÖR E., Dold P.
WEFTEC, the Water Environment Federation's Annual Technical Exhibition and Conference, 28 - 30 September 2015
- XVI. **Comparing the use of synthetic and domestic wastewater effluents for coupling nitrogen removal and chlorellavulgaris and scenedesmus dimorphus production**
İNSEL H. G. , PEHLİVANOĞLU MANTAŞ E., GÜREL M., İÇA T., Gençsoy E. B. , Movahedpour F., Görgün E., OKUTMAN TAŞ D., ÇOKGÖR E., Özbaşaran M.
18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Creteil, France, 26 - 30 September 2015, pp.41
- XVII. **Evaluation of Water Reuse in a Metal Finishing Industry**
İNSEL H. G. , gümüşlü e., YÜKSEK G., sayı uçar n., ÖLMEZ HANCI T., BABUNA F. F. , OKUTMAN TAŞ D., ÇOKGÖR E., erdem f., yıldırım o., et al.
18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region Mediterranean Scientific Association of Environmental Protection, 26 - 30 September 2015
- XVIII. **Effects of Ecofriendly Production Technologies on Wastewater Characterization and Treatment Plant Performance**
YÜKSEK G., OKUTMAN TAŞ D., ÇOKGÖR E., İNSEL H. G. , kırcı b., Erturan Ö.
Industrial waste and wastewater treatment and valorization, 21 - 23 May 2015
- XIX. **Evaluation of Enzyme Addition in Aerobic Stabilization of Biological Sludge**
Pehlivanoğlu Mantaş E., Gürel M., İnsel H. G. , Topuz E., Ekdal A., Aydın E., Uçar N., Çokgör E., Okutman Taş D.
17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, İstanbul, Turkey, 28 September - 01 October 2013
- XX. **Applicability of the Waste Sludge Cakes into Landfill Areas Based on Turkish Regulations**
Çokgör E., Pehlivanoğlu Mantaş E., Okutman Taş D., İnsel H. G. , Ölmez Hancı T., Orhon D.
Mediterranean Scientific Association of Environmental Protection, MESAEF, Ioannina, Greece, 24 - 27 September 2011, pp.1
- XXI. **The Effect of Sludge History on Aerobic Sludge Stabilization Efficiency**

Insel G., GOKCEKUS H., Sozen S., Dulekgurgen E., ORHON D.

International Conference on Environment: Survival and Sustainability, Nicosia, CYPRUS, 19 - 24 February 2007, pp.1321-1326

XXII. Evsel ve endüstriyel biyolojik çamurların aerobik stabilizasyonunun araştırılması.

Pehlivanoglu Mantaş E., Okutman Taş D., Insel H. G., Aydın E., OZTURK D. C., Ölmez Hancı T., Görgün H. E., Çokgör E., orhon d.

İTÜ 11. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 11 - 13 June 2008, pp.67-74

XXIII. Tekstil endüstrisi atıksularında çözülmüş inert KOİ bileşenlerinin belirlenmesi

KARAHAN ÖZGÜN Ö., OKUTMAN TAŞ D., DEMİRAY D., DOĞRUEL S., DULKADİROĞLU H., İNSEL H. G., KABDAŞLI N. I., BABUNA F. F., SÖZEN S., ORHON D.

İTÜ 10. Endüstriyel Kirlenme Kontrolü, Turkey, 7 - 09 June 2006

XXIV. Model-based optimization of a sequencing batch reactor for advanced biological wastewater treatment

LEE D. S., SIN G., Insel G., NOPENS I., VANROLLEGHEM P. A.

4th Asia-Pacific Chemical Reaction Engineering Symposium on New Opportunities of Chemical Reaction Engineering in Asia-Pacific Region, Gyeongju, South Korea, 12 - 15 June 2005, vol.159, pp.165-168

XXV. Karbon Gideren Aktif Çamur Sistemlerinin Tasarıma Yönelik Modellenmesi-Tekstil Endüstrisi Örneği

İnsel H. G., Orhon D., Demiray D., Doğruel S., Okutman Taş D., Karahan Özgün Ö., Dulkadiroğlu H., Sözen S., Babuna F. F., Kabdaşlı N. I.

7. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 20 - 22 September 2000, pp.35-42

XXVI. Karbon gideren aktif çamur sistemlerinin tasarıma yönelik modellenmesi Tekstil endüstrisi örneği

İNSEL H. G., ORHON D., DEMİRAY D., DOĞRUEL S., OKUTMAN TAŞ D., KARAHAN ÖZGÜN Ö., DULKADİROĞLU H., SÖZEN S., BABUNA F. F., KABDAŞLI N. I.

İTÜ 7. Endüstriyel Kirlenme Kontrolü Sempozyumu, Turkey, 20 - 22 September 2000

Supported Projects

İnsel H. G., Project Supported by Higher Education Institutions, Yüksek Sıcaklığa Sahip Bölgelerde membran Biyoreaktör Sistemi Nutrient Giderim Performansının Dinamik Modellenmesi, 2016 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Comparison of Energy Efficiencies for Advanced Anaerobic Digestion, Incineration and Gasification Processes In Municipal Sludge Management, 2014 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Effect of High Process Temperature on Enhanced Biological Phosphorus Removal: Dubai Case, 2014 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Büyük Ölçekli Arıtma Tesislerinde Proses Performansı ve Enerji Bileşenlerinin Model Destekli Tahmini, 2013 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Aşırı Çevresel Koşullarda Özel Proseslerin Membran Biyoreaktörde Simültane Azot Giderimine Etkileri, 2012 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Hayvan Yetiştiriciliği Atıksuyunun Organik Karbon Giderimi İçin Biyolojik Bazlı Atıksu Karakterizasyonu, 2011 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Nitrojen upgrade Life-Cycle Cost Assesment Simulation, 2010 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, YARI KESİKLİ FİLTASYON MODUNDA İŞLETİLEN MBR SİSTEMİNDE DİFÜZYON LİMİTASYONUNUN OLDUĞU KORULLARDA NÜTRİENT GİDERİMİNİN MODELLENMESİ, 2009 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Scientific Basis and Modelling for Nitrogen Removal Bioreactor Operated Without an Anoxic Volume, 2008 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Retrofitting Small Wastewater treatment plants to alternating aeration process for nitrogen removal, 2007 - 2018

İnsel H. G., Project Supported by Higher Education Institutions, Retrofitting Small Wastewater Treatment Plants To Alternating/intermittent aeration Process for Nitrogen Removal, 2006 - 2018

İnsel H. G. , Project Supported by Higher Education Institutions, Deri Atıksularını Arıtan Ardışık Kesikli Reaktörlerde Azot Giderimi Performansının İrdelenmesi, 2005 - 2018

İnsel H. G. , Project Supported by Higher Education Institutions, İstanbul Atıksu Arıtma Tesislerinin Tasarım ve İşletme Parametrelerinin Dinamik Model Sümüasyonları ile Belirlenmesi, 2010 - 2012

İnsel H. G. , Project Supported by Higher Education Institutions, Arıtma Çamurlarından Elde Edilen Süzüntü Suyunun Biyolojik Arıtlabilirliği ve İnhibisyon Etkisi, 2009 - 2009

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