

# Prof.Dr. YEŐİM SAĐ AĐIKEL

## KiŐisel Bilgiler

İŐ Telefonu: [+90 312 297 7444](tel:+903122977444)

Fax Telefonu: [+90 312 299 2124](tel:+903122992124)

E-posta: [yesims@hacettepe.edu.tr](mailto:yesims@hacettepe.edu.tr)

Web: <http://yunus.hacettepe.edu.tr/~yesims/>

Posta Adresi: Hacettepe Üniversitesi Mühendislik Fakóltesi Kimya MühendisliĐi Bölümü 06800 Beytepe Ankara

## EĐitim Bilgileri

Doktora, Hacettepe Üniversitesi, Mühendislik Fakóltesi, Kimya MühendisliĐi, Türkiye 1988 - 1993

## Yabancı Diller

İngilizce, C1 İleri

## AraŐtırma Alanları

Kimya, Temel Bilimler

## Akademik Unvanlar / Görevler

Prof.Dr., Hacettepe Üniversitesi, Mühendislik Fakóltesi, Kimya MühendisliĐi Bölümü, 2002 - Devam Ediyor

DoĐ.Dr., Hacettepe Üniversitesi, Mühendislik Fakóltesi, Kimya MühendisliĐi Bölümü, 1994 - 2002

AraŐtırma Görevlisi, Hacettepe Üniversitesi, Mühendislik Fakóltesi, Kimya MühendisliĐi Bölümü, 1986 - 1998

## Yönetilen Tezler

SAĐ AĐIKEL Y., Antibiotic Removal by Adsorption Using Chitosan and Halloysite Based Nanoparticles from Aqueous Medium in Batch Stirred Reactors, Yüksek Lisans, S.ERDEM(ÖĐrenci), 2018

SAĐ AĐIKEL Y., Investigation of loading and release of resveratrol using in cancer therapy on chitosan-alginate composite biogels as drug carrier system, Yüksek Lisans, A.BURCU(ÖĐrenci), 2018

SAĐ AĐIKEL Y., Investigation of ciprofloxacin loading, release and adsorption on alginate-halloysite biocomposites, Yüksek Lisans, Ö.CAN(ÖĐrenci), 2018

SAĐ AĐIKEL Y., Manyetik halloysit nanotüpler-aljinat hibrit kürelerin sentezlenmesi ve karakterizasyonu: Sulu ortamlardan Pb, metilen mavisi ve direkt mavi 71'in gideriminde kullanılması, Yüksek Lisans, G.POLAT(ÖĐrenci), 2017

SAĐ AĐIKEL Y., Magnetik kitosan-halloysit-demir oksit nanokompozitlerine tetrasiklin yüklenmesi, karakterizasyonu, salınımı ve adsorpsiyonunun incelenmesi, Yüksek Lisans, P.RAEIATBIN(ÖĐrenci), 2017

SAĐ AĐIKEL Y., Manyetik kitosan-halloysit nanokompozitlerin üretilmesi ve karakterizasyonu: Cr ve metilen mavisi adsorpsiyonunun incelenmesi, Yüksek Lisans, E.TÜRKEŐ(ÖĐrenci), 2017

SAĐ AĐIKEL Y., Kitosan nanopartiküllerine ve kitosan-halloysit nanokompozitlerine metronidazole yüklenmesi, salınımı ve adsorpsiyonunun incelenmesi, Yüksek Lisans, M.ÖZTEKİN(ÖĐrenci), 2017

SAĐ AĐIKEL Y., Sulu ortamdan ağır metal iyonlarının ve boyar maddelerin mikropolimerik malzemeler, kitin ve kitosan

kullanılarak adsorpsiyon yöntemiyle giderilmesi, Yüksek Lisans, B.GÖZE(Öğrenci), 2013

SAĞ AÇIKEL Y., Rhizopus delemar ile ağır metal biyobirikiminin ve ağır metal iyonlarının enzimatik faaliyetler üzerine interaktif etkileşimlerinin incelenmesi, Doktora, O.AHMET(Öğrenci), 2011

SAĞ AÇIKEL Y., Toprak ve toprak bileşenlerine Cd(II) iyonlarının adsorpsiyonunun ve rhamnolipid biyosurfaktanla bu iyonların geri kazanımının incelenmesi, Doktora, Y.AŞÇI(Öğrenci), 2006

SAĞ AÇIKEL Y., Rhizopus delemar ile lipaz üretimi, Yüksek Lisans, B.ÇELEBİ(Öğrenci), 2005

SAĞ AÇIKEL Y., Rhamnolipid biyosurfaktantlarla topraktaki ve sulu ortamdaki ağır metal iyon kirliliğinin giderilmesi, Yüksek Lisans, H.ŞAHİN(Öğrenci), 2004

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Investigation of adsorption of metronidazole on Chitosan - Halloysite nanocomposites and controlled release**  
Oztekin M., SAĞ AÇIKEL Y.  
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, cilt.27, sa.2, ss.101-115, 2020 (SCI İndekslerine Giren Dergi)
- II. **Loading of cancer drug resveratrol to pH-Sensitive, smart, alginate-chitosan hydrogels and investigation of controlled release kinetics**  
Nazli A. B., Acikel Y.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.53, 2019 (SCI İndekslerine Giren Dergi)
- III. **Synthesis and Characterization of Magnetic Halloysite-Alginate Beads for the Removal of Lead(II) Ions from Aqueous Solutions**  
Polat G., Acikel Y.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, cilt.27, sa.9, ss.1971-1987, 2019 (SCI İndekslerine Giren Dergi)
- IV. **Synthesis and characterization of magnetic halloysite-chitosan nanocomposites: use in the removal of methylene blue in wastewaters**  
Türkeş E., Sağ Açikel Y.  
International Journal of Environmental Science and Technology, 2019 (SCI İndekslerine Giren Dergi)
- V. **Use of magnetic halloysite nanotubes-alginate hybrid spheres in the treatment of dyes**  
Polat G., Acikel Y.  
NEW BIOTECHNOLOGY, cilt.44, 2018 (SCI İndekslerine Giren Dergi)
- VI. **Removal of tetracycline by magnetic chitosan nanoparticles from medical wastewaters**  
RAEIATBIN P., Acikel Y. S.  
DESALINATION AND WATER TREATMENT, cilt.73, ss.380-388, 2017 (SCI İndekslerine Giren Dergi)
- VII. **Removal of Methyl Red, a cationic dye, Acid Blue 113, an anionic dye, from wastewaters using chitin and chitosan: influence of copper ions**  
Acikel Y., GOZE B.  
DESALINATION AND WATER TREATMENT, cilt.73, ss.289-300, 2017 (SCI İndekslerine Giren Dergi)
- VIII. **Investigation of antagonistic and synergistic interactions on simultaneous adsorption of crystal violet and Cu(II) using chitin and chitosan**  
GOZE B., EVIRGEN O. A., Acikel Y. S.  
DESALINATION AND WATER TREATMENT, cilt.57, sa.9, ss.4059-4072, 2016 (SCI İndekslerine Giren Dergi)
- IX. **Investigation of mutual interactions of physicochemical parameters on simultaneous Zn II bioaccumulation and lipase production of R delemar**  
EVIRGEN A., SAĞ AÇIKEL Y.  
Desalination And Water Treatment, cilt.53, ss.3543-3556, 2015 (SCI Expanded İndekslerine Giren Dergi)
- X. **Simultaneous copper bioaccumulation, growth and lipase production of Rhizopus delemar in molasses medium: optimisation of environmental conditions using RSM**  
EVIRGEN O. A., Acikel Y. S.  
CHEMISTRY AND ECOLOGY, cilt.30, sa.1, ss.39-51, 2014 (SCI İndekslerine Giren Dergi)
- XI. **Effects of stirring and aeration rates on lipase production and growth of R. delemar**

- ERŞAN M., AÇIKEL Ü., SAĞ AÇIKEL Y.  
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI İndekslerine Giren Dergi)
- XII. **Equilibrium hysteresis and kinetics of cadmium desorption from sodium feldspar using rhamnolipid biosurfactant**  
AŞÇI Y., AÇIKEL U., SAĞ AÇIKEL Y.  
Environmental Technology, cilt.33, ss.1857-1868, 2012 (SCI Expanded İndekslerine Giren Dergi)
- XIII. **The effects of the composition of growth medium and fermentation conditions on the production of lipase by *R. delemar***  
AÇIKEL U., ERŞAN M., SAĞ AÇIKEL Y.  
Turkish Journal Of Biology, cilt.35, ss.35-44, 2011 (SCI Expanded İndekslerine Giren Dergi)
- XIV. **Optimization of critical medium components using response surface methodology for lipase production by *Rhizopus delemar***  
AÇIKEL U., ERŞAN M., SAĞ AÇIKEL Y.  
Food And Bioproducts Processing, cilt.88, ss.31-39, 2010 (SCI Expanded İndekslerine Giren Dergi)
- XV. **Investigation of sorption desorption equilibria of heavy metal ions on from quartz using rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., SAĞ AÇIKEL Y.  
Journal Of Environmental Management, cilt.91, ss.724-731, 2010 (SCI Expanded İndekslerine Giren Dergi)
- XVI. **Removal of zinc ions from a soil component Na-feldspar by a rhamnolipid biosurfactant**  
Asci Y., Nurbas M., Acikel Y. S.  
DESALINATION, cilt.223, ss.361-365, 2008 (SCI İndekslerine Giren Dergi)
- XVII. **A comparative study for the sorption of Cd II by soils with different clay contents and minerology and the recovery of Cd II using rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., SAĞ AÇIKEL Y.  
Journal Of Hazardous Materials, cilt.154, ss.663-673, 2008 (SCI Expanded İndekslerine Giren Dergi)
- XVIII. **A comparative study for the sorption of Cd II by K feldspar and sepiolite as soil components and the recovery of Cd II using rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., SAĞ AÇIKEL Y.  
Journal Of Environmental Management, cilt.88, ss.383-392, 2008 (SCI Expanded İndekslerine Giren Dergi)
- XIX. **Sorption of Cd II onto kaolin as a soil component and desorption of Cd II from kaolin using rhamnolipid biosurfactant**  
AŞÇI Y., NURBAŞ M., SAĞ AÇIKEL Y.  
Journal Of Hazardous Materials, cilt.139, ss.50-56, 2007 (SCI Expanded İndekslerine Giren Dergi)
- XX. **Application of multicomponent adsorption models to the biosorption of Cr VI Cu II and Cd II ions on *Rhizopus arrhizus* from ternary metal mixtures**  
SAĞ AÇIKEL Y., AKÇAEL B., KUTSAL T.  
Chemical Engineering Communications, cilt.190, ss.797-812, 2003 (SCI Expanded İndekslerine Giren Dergi)
- XXI. **Biosorption of Pb II and Cu II by activated sludge in batch and continuous flow stirred reactors**  
SAĞ AÇIKEL Y., TATAR B., KUTSAL T.  
Bioresource Technology, cilt.87, ss.27-33, 2003 (SCI Expanded İndekslerine Giren Dergi)
- XXII. **Kinetic studies on sorption of Cr(VI) and Cu(II) ions by chitin, chitosan and *Rhizopus arrhizus***  
Sağ Y., AKTAY Y.  
Biochemical Engineering Journal, cilt.12, sa.2, ss.143-153, 2002 (SCI İndekslerine Giren Dergi)
- XXIII. **Ternary biosorption equilibria of chromium VI copper II and cadmium II on *Rhizopus arrhizus***  
SAĞ AÇIKEL Y., AKÇAEL B., KUTSAL T.  
Separation Science And Technology, cilt.32, ss.279-309, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XXIV. **A comparative study for the sorption of Cu II ions by Chitin and Chitosan application of equilibrium and mass transfer models**  
SAĞ AÇIKEL Y., AKTAY Y.  
Separation Science And Technology, cilt.37, ss.2801-2822, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XXV. **Evaluation interpretation and representation of three metal biosorption equilibria using a fungal**

## **biosorbent**

SAĞ AÇIKEL Y., AKÇAEL B.

Process Biochemistry, cilt.37, ss.35-50, 2001 (SCI Expanded İndekslerine Giren Dergi)

- XXVI. **Recent trends in the biosorption of heavy metals A review**  
SAĞ AÇIKEL Y., KUTSAL T.  
Biotechnology And Bioprocess Engineering, cilt.6, ss.376-385, 2001 (SCI Expanded İndekslerine Giren Dergi)
- XXVII. **Use of a mathematical model for prediction of the performance of the simultaneous biosorption of Cr VI and Fe III on R arrhizus in a semibatch reactor**  
SAĞ AÇIKEL Y., YALÇUK A., KUTSAL T.  
Hydrometallurgy, cilt.59, ss.77-87, 2001 (SCI Expanded İndekslerine Giren Dergi)
- XXVIII. **Biosorption of heavy metals by fungal biomass and modeling of fungal biosorption a review**  
SAĞ AÇIKEL Y.  
Separation And Purification Reviews, cilt.30, ss.1-48, 2001 (SCI Expanded İndekslerine Giren Dergi)
- XXIX. **Application of equilibrium and mass transfer models to dynamic removal of Cr VI ions by Chitin in packed column reactor**  
SAĞ AÇIKEL Y., AKTAY Y.  
Process Biochemistry, cilt.36, ss.1187-1197, 2001 (SCI Expanded İndekslerine Giren Dergi)
- XXX. **Equilibrium parameters for the single and multicomponent biosorption of Cr VI and Fe III ions on R arrhizus in a packed column**  
SAĞ AÇIKEL Y., ATAÇOĞLU I.  
Hydrometallurgy, cilt.55, ss.165-179, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXI. **Determination of the biosorption heats of heavy metal ions on Zoogloea ramigera and Rhizopus arrhizus**  
SAĞ AÇIKEL Y., KUTSAL T.  
Biochemical Engineering Journal, cilt.6, ss.145-151, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXII. **Lead copper and zinc biosorption from bicomponent systems modelled by empirical Freundlich isotherm**  
SAĞ AÇIKEL Y., KAYA A., KUTSAL T.  
Applied Microbiology And Biotechnology, cilt.53, ss.338-341, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXIII. **Biosorption of lead II nickel II and copper II on Rhizopus arrhizus from Binary and Ternary Metal Mixtures**  
SAĞ AÇIKEL Y., KAYA A., KUTSAL T.  
Separation Science And Technology, cilt.35, ss.2601-2617, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXIV. **Mono and multi component biosorption of heavy metal ions on Rhizopus arrhizus in a CFST**  
SAĞ AÇIKEL Y., YALÇUK A., KUTSAL T.  
Process Biochemistry, cilt.35, ss.787-799, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXV. **Mass transfer and equilibrium studies for the sorption of chromium ions onto chitin**  
SAĞ AÇIKEL Y., AKTAY Y.  
Process Biochemistry, cilt.36, ss.157-173, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXVI. **Determination of the biosorption activation energies of heavy metal ions on Zoogloea ramigera and Rhizopus arrhizus**  
SAĞ AÇIKEL Y., KUTSAL T.  
Process Biochemistry, cilt.35, ss.801-807, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XXXVII. **Simultaneous biosorption of Cr VI and Cu II on R arrhizus in packed column reactor Application of the competitive Freundlich model**  
SAĞ AÇIKEL Y., ATAÇOĞLU I., KUTSAL T.  
Separation Science And Technology, cilt.24, ss.3155-3171, 1999 (SCI Expanded İndekslerine Giren Dergi)
- XXXVIII. **A comparative study for the simultaneous biosorption of Cr VI and Fe III on C vulgaris and R arrhizus application of the competitive adsorption models**  
SAĞ AÇIKEL Y., AÇIKEL Ü., AKSU Z., KUTSAL T.  
Process Biochemistry, cilt.33, ss.273-281, 1998 (SCI Expanded İndekslerine Giren Dergi)

- XXXIX. **The simultaneous biosorption of Cu II and Zn on Rhizopus arrhizus application of the adsorption models**  
SAĞ AÇIKEL Y., KAYA A., KUTSAL T.  
Hydrometallurgy, cilt.50, ss.297-314, 1998 (SCI Expanded İndekslerine Giren Dergi)
- XL. **The simultaneous biosorption of Cr VI Fe III and Cu II on Rhizopus arrhizus**  
SAĞ AÇIKEL Y., KUTSAL T.  
Process Biochemistry, cilt.33, ss.571-579, 1998 (SCI Expanded İndekslerine Giren Dergi)
- XLII. **The adsorption of copper II by Z ramigera immobilized on Ca alginate in packed bed columns a dynamic approach by stimulus response technique and evaluation of adsorption data by moment analysis**  
MUTLU M., SAĞ AÇIKEL Y., KUTSAL T.  
Chemical Engineering Journal, cilt.65, ss.81-86, 1997 (SCI Expanded İndekslerine Giren Dergi)
- XLIII. **The simultaneous biosorption process of lead II and nickel II on Rhizopus arrhizus**  
SAĞ AÇIKEL Y., KUTSAL T.  
Process Biochemistry, cilt.32, ss.591-597, 1997 (SCI Expanded İndekslerine Giren Dergi)
- XLIV. **Fully competitive biosorption of chromium VI and iron III ions from binary metal mixtures by R arrhizus Use of the competitive Langmuir model**  
SAĞ AÇIKEL Y., KUTSAL T.  
Process Biochemistry, cilt.31, ss.573-585, 1996 (SCI Expanded İndekslerine Giren Dergi)
- XLV. **The selective biosorption of chromium VI and copper II ions from binary metal mixtures by R arrhizus**  
SAĞ AÇIKEL Y., KUTSAL T.  
Process Biochemistry, cilt.31, ss.561, 1996 (SCI Expanded İndekslerine Giren Dergi)
- XLVI. **Biosorption of heavy metals by Zoogloea ramigera: Use of adsorption isotherms and a comparison of biosorption characteristics**  
Sag Y., Kutsal T.  
CHEMICAL ENGINEERING JOURNAL AND THE BIOCHEMICAL ENGINEERING JOURNAL, cilt.60, ss.181-188, 1995 (SCI İndekslerine Giren Dergi)
- XLVII. **A comparative study of the biosorption of lead II ions to Z ramigera and R arrhizus**  
SAĞ AÇIKEL Y., ÖZER D., KUTSAL T.  
Process Biochemistry, cilt.30, ss.169-174, 1995 (SCI Expanded İndekslerine Giren Dergi)
- XLVIII. **Comparison of Ca alginate and immobilized Z ramigera as sorbents for copper II removal**  
SAĞ AÇIKEL Y., NOURBAKHS M., AKSU Z.  
Process Biochemistry, cilt.30, ss.175-181, 1995 (SCI Expanded İndekslerine Giren Dergi)
- XLIX. **Copper II and nickel II adsorption by R arrhizus in batch stirred reactors in series**  
SAĞ AÇIKEL Y., KUTSAL T.  
Chemical Engineering Journal, cilt.58, ss.265-273, 1995 (SCI Expanded İndekslerine Giren Dergi)
- L. **A comparative study of various biosorbents for removal of chromium(VI) ions from industrial waste waters**  
NOURBAKHS M., Sağ Y., ÖZER D., AKSU Z., Kutsal T., ÇAĞLAR A.  
Process Biochemistry, cilt.29, sa.1, ss.1-5, 1994 (SCI İndekslerine Giren Dergi)
- LI. **The biosorption of copper II by C vulgaris and Z ramigera**  
AKSU Z., SAĞ AÇIKEL Y., KUTSAL T.  
Environmental Technology, cilt.13, ss.579-586, 1992 (SCI Expanded İndekslerine Giren Dergi)
- LII. **A comparative study of the adsorption of chromium VI ions to C vulgaris and Z ramigera**  
AKSU Z., SAĞ AÇIKEL Y., KUTSAL T.  
Environmental Technology, cilt.11, ss.33-40, 1990 (SCI Expanded İndekslerine Giren Dergi)
- LIII. **THE USE OF ZOOGLOEA-RAMIGERA IN WASTE-WATER TREATMENT CONTAINING CR(VI) AND CD(II) IONS**  
SAG Y., KUTSAL T.  
BIOTECHNOLOGY LETTERS, cilt.11, sa.2, ss.145-148, 1989 (SCI İndekslerine Giren Dergi)

- LIII. **The use of Z ramigera in waste water treatment containing Cr VI and Cd II Ions**  
SAĞ AÇIKEL Y., KUTSAL T.  
Biotechnology Letters, cilt.11, ss.145-148, 1989 (SCI Expanded İndekslerine Giren Dergi)
- LIV. **Application of adsorption isotherms to chromium adsorption on Z ramigera**  
SAĞ AÇIKEL Y., KUTSAL T.  
Biotechnology Letters, cilt.11, ss.141-144, 1989 (SCI Expanded İndekslerine Giren Dergi)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Chromium (VI) Removal By A Novel Magnetic Halloysite-Chitosan Nanocomposite From Aqueous Solutions**  
TÜRKEŞ E., SAĞ AÇIKEL Y.  
International Journal of Food and Biosystems Engineering, 2017 (Diğer Kurumların Hakemli Dergileri)
- II. **Synthesis of Magnetic Halloysite Nanotube-Alginate Hybrid Beads: Use in the Removal of Methylene Blue from Aqueous Media**  
POLAT G., SAĞ AÇIKEL Y.  
International Journal of Food and Biosystems Engineering, 2017 (Diğer Kurumların Hakemli Dergileri)
- III. **Investigation of Acid Orange 74 Dye Adsorption with Anaerob Activated Sludge**  
TOPAL G., AÇIKEL Ü., SAĞ AÇIKEL Y.  
International Journal of Food and Biosystems Engineering, cilt.4, ss.91-96, 2017 (Diğer Kurumların Hakemli Dergileri)

### **Kitap & Kitap Bölümleri**

- I. **Investigation of Metranidazole Adsorption Equilibrium and Kinetics on Chitosan Nanoparticles**  
Öztekin M., Sağ Açikel Y.  
Current Academic Studies in Engineering Sciences, Prof. Dr. Serdar Salman, Prof. Dr. Rıdvan Karapınar, Doç. Dr. Duygu Kavak, Dr. Ali Kılıçer, Editör, IVPE, Podgorica, ss.913-930, 2018
- II. **Investigation of Metronidazole Adsorption Equilibrium and Kinetics on Chitosan Nanoparticles**  
ÖZTEKİN M., SAĞ AÇIKEL Y.  
Current Academic Studies in Engineering Sciences-2018, , Editör, IVPE, ss.913-930, 2018
- III. **Chapter 8**  
SAĞ AÇIKEL Y.  
Biomangement of Metal Contaminated Soils, MOHAMMAD SAGHIR KHAN, ALMAS ZAIDI, REETA GOEL, JAVED MUSARRAT, Editör, Springer, 2011

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Controlled Delivery of Ciprofloxacin from Halloysite Nanotubes**  
CAN AŞKAR Ö., SAĞ AÇIKEL Y.  
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, 26 - 28 Nisan 2019
- II. **Green Synthesis of Silver Nanoparticles Using pomegranate Waste**  
Sağ Açikel Y.  
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Türkiye, 26 - 28 Nisan 2018, ss.113-118
- III. **Synthesis of Copper Nanoparticles from Waste Onion Peels**  
Sağ Açikel Y.  
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Türkiye, 26 - 28 Nisan

2018, ss.107-112

- IV. **Sustained and Controlled Antibiotic Release from Chitosan and Magnetic Chitosan Nanoparticles**  
Sağ Açıkel Y.  
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Türkiye, 26 - 28 Nisan 2018, ss.124-128
- V. **Delivery of Ciprofloxacin from Halloysite Nanotubes**  
Sağ Açıkel Y.  
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Türkiye, 26 - 28 Nisan 2018, ss.119-123
- VI. **Investigation of Acid Orange 74 Dye Adsorption with Anaerob Activated Sludge**  
TOPAL G., AÇIKEL Ü., SAĞ AÇIKEL Y.  
3rd FaBE 2017 - International Conference on Food and Biosystems Engineering, 1 - 04 Haziran 2017
- VII. **Chromium(VI) removal by a novel magnetic halloysite-chitosan nanocomposite from aqueous solutions**  
TÜRKEŞ E., SAĞ AÇIKEL Y.  
International Conference of Food and Biosystems Engineering, 1 Haziran - 04 Aralık 2017
- VIII. **Synthesis of magnetic halloysite nanotube-alginate hybrid beads: Use in the removal of methylene blue from aqueous media**  
POLAT G., SAĞ AÇIKEL Y.  
International Conference of Food and Biosystems Engineering, 1 - 04 Haziran 2017
- IX. **Investigation of Biosorption Kinetics and Equilibrium of Zinc by Chitin and Chitosan**  
GOZE B., SAĞ AÇIKEL Y.  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production, 5 - 07 Ekim 2016
- X. **Removal of tetracycline by magnetic chitosan nanoparticles from medical wastewaters**  
RAEIATBIN P., SAĞ AÇIKEL Y.  
Desalination for the Environment: Clean Water and Energy, 22 - 26 Mayıs 2016
- XI. **Removal of methyl red a cationic dye acid blue 113 an anionic dye from wastewaters using chitin and chitosan influence of copper ions**  
GÖZE B., SAĞ AÇIKEL Y.  
Desalination for the Environment: Clean Water and Energy, 22 - 26 Mayıs 2016
- XII. **Investigation of Biosorption Kinetics and Equilibrium of Zinc by Chitin and Chitosan**  
Acikel S. Y. , Goze B.  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production (SWEMP) / International Symposium on Computer Applications (CAMI), İstanbul, Türkiye, 5 - 07 Ekim 2016
- XIII. **Multi-component biosorption of lead, copper and zinc ions on R-arrhizus**  
Sag Y., Kaya A., Kutsal T.  
13th International Symposium on Biohydrometallurgy (IBS 99), Madrid, İspanya, 20 - 23 Haziran 1999, cilt.9, ss.399-408
- XIV. **An overview of the studies about heavy metal adsorption process by microorganisms on the lab. scale in Turkey**  
Sag Y., Kutsal T.  
13th International Symposium on Biohydrometallurgy (IBS 99), Madrid, İspanya, 20 - 23 Haziran 1999, cilt.9, ss.307-316
- XV. **THE COMPARISON OF VARIOUS BIOSORBENTS IN WASTE-WATER TREATMENT CONTAINING LEAD(II) IONS USING ADSORPTION METHOD**  
SAG Y., NOURBAKSH M., OZER D., AKSU Z., KUTSAL T., CAGLAR A.  
Turkish 8th National Symp on Chemistry and Chemical Engineering ( CHEMISTRY 92 ), İstanbul, Türkiye, 7 - 11 Eylül 1992, cilt.518, ss.271-276
- XVI. **COPPER(II) ADSORPTION WITH FREE CA-ALGINATE IN PACKED-BED BIOREACTORS**  
SAG Y., YILMAZ E., NOURBAKSH M., AKSU Z., KUTSAL T.

Turkish 8th National Symp on Chemistry and Chemical Engineering ( CHEMISTRY 92 ), İstanbul, Türkiye, 7 - 11 Eylül 1992, cilt.518, ss.301-305

**XVII. THE ADSORPTION OF LEAD(II) IONS TO Z-RAMIGERA AND CHROMIUM(VI) IONS TO R-ARRHIZUS IN BATCH STIRRED REACTORS AND FLUIDIZED-BED**

SAG Y., OZER D., KUTSAL T.

Turkish 8th National Symp on Chemistry and Chemical Engineering ( CHEMISTRY 92 ), İstanbul, Türkiye, 7 - 11 Eylül 1992, cilt.518, ss.289-294

**XVIII. THE USAGE OF VARIOUS MICROORGANISMS IN WASTE-WATER TREATMENT CONTAINING COPPER(II) IONS**

AKSU Z., SAG Y., KUTSAL T.

NATO ADVANCED STUDY INST ON RECENT ADVANCES IN INDUSTRIAL APPLICATIONS OF BIOTECHNOLOGY, KUSADASI, Türkiye, 16 - 27 Eylül 1991, cilt.210, ss.545-546

## **Desteklenen Projeler**

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Tekli ve ikili karışımlarından ağır metal iyonlarının R.delemar'a biyobirikiminin incelenmesi, 2010 - Devam Ediyor

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Kitin ve Kitosan Üzerine Kristal Viyole ve Bakırın Simultane Adsorpsiyonu Üzerine Antogonistik ve Sinerjistik Etkileşimlerin Araştırılması, 2017 - 2018

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Kitin ve kitosan üzerine metil kırmızısı boyar maddesi adsorpsiyonun incelenmesi, 2017 - 2018

SAĞ AÇIKEL Y., Türkeş E., Yükseköğretim Kurumları Destekli Proje, Yeni Bir Manyetik Halloysit-Kitosan Nanokompozit ile Sulu Çözeltilerden Cr(VI) Uzaklaştırılması, 2017 - 2017

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Eş zamanlı bakır biyobirikimi, melash ortamda Rhizopus delemarin üremesi ve lipaz üretimi RSM kullanılarak çevresel koşulların optimizasyonu, 2016 - 2017

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Kitin ve kitosan üzerine çinko biyosorpsiyonu kinetiği ve dengesinin araştırılması, 2016 - 2017

SAĞ AÇIKEL Y., Aşkar Ö. C. , Raeiatbin P., Yükseköğretim Kurumları Destekli Proje, Halloysit-Aljinat Nanojellerin ve Halloysit-Kitosan Nanopartiküllerin Karakterizasyonu, Fizikokimyasal ve Termal Özelliklerinin Belirlenmesi, 2015 - 2017

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Kitosan ve Halloysit bazlı nanopartiküller kullanılarak adsorpsiyon yoluyla sulu ortamlardan antibiyotik giderimi, 2014 - 2017

SAĞ AÇIKEL Y., Raeiatbin P., Yükseköğretim Kurumları Destekli Proje, Tetrasiklin Yüklenmiş Manyetik Halloysit Nanopartiküllerin Nano İlaç Taşıyıcılar Olarak Kullanılması, 2016 - 2016

SAĞ AÇIKEL Y., Yükseköğretim Kurumları Destekli Proje, Atıksulardan metil kırmızısı, katyonik boya, asid mavisi 113, anyonik boyanın kitin ve kitosan kullanılarak uzaklaştırılması: Bakır iyonlarının etkisi, 2016 - 2016

## **Kongre ve Sempozyum Katılımı Faaliyetleri**

The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Çalışma Grubu, Nevşehir, Türkiye, 2018

## **Atıflar**

Toplam Atıf Sayısı (WOS):2406

h-indeksi (WOS):26