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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliđi, Turkey 1988 - 1993

Foreign Languages

English, C1 Advanced

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliđi Bölümü, 2002 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliđi Bölümü, 1994 - 2002

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliđi Bölümü, 1986 - 1998

Advising Theses

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

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

SAĐ AĐIKEL Y., Investigation of ciprofloxacin loading, release and adsorption on alginate-halloysite biocomposites, Postgraduate, Ö.CAN(Student), 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, Postgraduate, G.POLAT(Student), 2017

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

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

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

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

kullanılarak adsorpsiyon yöntemiyle giderilmesi, Postgraduate, B.GÖZE(Student), 2013

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

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

SAĞ AÇIKEL Y., Rhizopus delemar ile lipaz üretimi, Postgraduate, B.ÇELEBİ(Student), 2005

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of adsorption of metronidazole on Chitosan - Halloysite nanocomposites and controlled release**
Oztekin M., SAĞ AÇIKEL Y.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.27, no.2, pp.101-115, 2020 (Journal Indexed in SCI)
- 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, vol.53, 2019 (Journal Indexed in SCI)
- 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, vol.27, no.9, pp.1971-1987, 2019 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- V. **Use of magnetic halloysite nanotubes-alginate hybrid spheres in the treatment of dyes**
Polat G., Acikel Y.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- VI. **Removal of tetracycline by magnetic chitosan nanoparticles from medical wastewaters**
RAEIATBIN P., Acikel Y. S.
DESALINATION AND WATER TREATMENT, vol.73, pp.380-388, 2017 (Journal Indexed in SCI)
- 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, vol.73, pp.289-300, 2017 (Journal Indexed in SCI)
- 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, vol.57, no.9, pp.4059-4072, 2016 (Journal Indexed in SCI)
- 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, vol.53, pp.3543-3556, 2015 (Journal Indexed in SCI Expanded)
- 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, vol.30, no.1, pp.39-51, 2014 (Journal Indexed in SCI)
- XI. **Effects of stirring and aeration rates on lipase production and growth of R. delemar**

ERŞAN M., AÇIKEL Ü., SAĞ AÇIKEL Y.

NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)

- XII. **Equilibrium hysteresis and kinetics of cadmium desorption from sodium feldspar using rhamnolipid biosurfactant**
AŞÇI Y., AÇIKEL U., SAĞ AÇIKEL Y.
Environmental Technology, vol.33, pp.1857-1868, 2012 (Journal Indexed in SCI Expanded)
- 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, vol.35, pp.35-44, 2011 (Journal Indexed in SCI Expanded)
- 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, vol.88, pp.31-39, 2010 (Journal Indexed in SCI Expanded)
- 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, vol.91, pp.724-731, 2010 (Journal Indexed in SCI Expanded)
- XVI. **Removal of zinc ions from a soil component Na-feldspar by a rhamnolipid biosurfactant**
Asci Y., Nurbas M., Acikel Y. S.
DESALINATION, vol.223, pp.361-365, 2008 (Journal Indexed in SCI)
- 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, vol.154, pp.663-673, 2008 (Journal Indexed in SCI Expanded)
- 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, vol.88, pp.383-392, 2008 (Journal Indexed in SCI Expanded)
- 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, vol.139, pp.50-56, 2007 (Journal Indexed in SCI Expanded)
- 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, vol.190, pp.797-812, 2003 (Journal Indexed in SCI Expanded)
- 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, vol.87, pp.27-33, 2003 (Journal Indexed in SCI Expanded)
- 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, vol.12, no.2, pp.143-153, 2002 (Journal Indexed in SCI)
- 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, vol.32, pp.279-309, 2002 (Journal Indexed in SCI Expanded)
- 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, vol.37, pp.2801-2822, 2002 (Journal Indexed in SCI Expanded)
- XXV. **Evaluation interpretation and representation of three metal biosorption equilibria using a fungal**

biosorbent

SAĞ AÇIKEL Y., AKÇAEEL B.

Process Biochemistry, vol.37, pp.35-50, 2001 (Journal Indexed in SCI Expanded)

- XXVI. **Recent trends in the biosorption of heavy metals A review**
SAĞ AÇIKEL Y., KUTSAL T.
Biotechnology And Bioprocess Engineering, vol.6, pp.376-385, 2001 (Journal Indexed in SCI Expanded)
- 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, vol.59, pp.77-87, 2001 (Journal Indexed in SCI Expanded)
- XXVIII. **Biosorption of heavy metals by fungal biomass and modeling of fungal biosorption a review**
SAĞ AÇIKEL Y.
Separation And Purification Reviews, vol.30, pp.1-48, 2001 (Journal Indexed in SCI Expanded)
- 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, vol.36, pp.1187-1197, 2001 (Journal Indexed in SCI Expanded)
- 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, vol.55, pp.165-179, 2000 (Journal Indexed in SCI Expanded)
- XXXI. **Determination of the biosorption heats of heavy metal ions on Zoogloea ramigera and Rhizopus arrhizus**
SAĞ AÇIKEL Y., KUTSAL T.
Biochemical Engineering Journal, vol.6, pp.145-151, 2000 (Journal Indexed in SCI Expanded)
- 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, vol.53, pp.338-341, 2000 (Journal Indexed in SCI Expanded)
- 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, vol.35, pp.2601-2617, 2000 (Journal Indexed in SCI Expanded)
- 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, vol.35, pp.787-799, 2000 (Journal Indexed in SCI Expanded)
- XXXV. **Mass transfer and equilibrium studies for the sorption of chromium ions onto chitin**
SAĞ AÇIKEL Y., AKTAY Y.
Process Biochemistry, vol.36, pp.157-173, 2000 (Journal Indexed in SCI Expanded)
- XXXVI. **Determination of the biosorption activation energies of heavy metal ions on Zoogloea ramigera and Rhizopus arrhizus**
SAĞ AÇIKEL Y., KUTSAL T.
Process Biochemistry, vol.35, pp.801-807, 2000 (Journal Indexed in SCI Expanded)
- 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, vol.24, pp.3155-3171, 1999 (Journal Indexed in SCI Expanded)
- 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, vol.33, pp.273-281, 1998 (Journal Indexed in SCI Expanded)

- 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, vol.50, pp.297-314, 1998 (Journal Indexed in SCI Expanded)
- XL. **The simultaneous biosorption of Cr VI Fe III and Cu II on Rhizopus arrhizus**
SAĞ AÇIKEL Y., KUTSAL T.
Process Biochemistry, vol.33, pp.571-579, 1998 (Journal Indexed in SCI Expanded)
- 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, vol.65, pp.81-86, 1997 (Journal Indexed in SCI Expanded)
- XLIII. **The simultaneous biosorption process of lead II and nickel II on Rhizopus arrhizus**
SAĞ AÇIKEL Y., KUTSAL T.
Process Biochemistry, vol.32, pp.591-597, 1997 (Journal Indexed in SCI Expanded)
- 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, vol.31, pp.573-585, 1996 (Journal Indexed in SCI Expanded)
- 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, vol.31, pp.561, 1996 (Journal Indexed in SCI Expanded)
- 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, vol.60, pp.181-188, 1995 (Journal Indexed in SCI)
- 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, vol.30, pp.169-174, 1995 (Journal Indexed in SCI Expanded)
- XLVIII. **Comparison of Ca alginate and immobilized Z ramigera as sorbents for copper II removal**
SAĞ AÇIKEL Y., NOURBAKHS M., AKSU Z.
Process Biochemistry, vol.30, pp.175-181, 1995 (Journal Indexed in SCI Expanded)
- XLIX. **Copper II and nickel II adsorption by R arrhizus in batch stirred reactors in series**
SAĞ AÇIKEL Y., KUTSAL T.
Chemical Engineering Journal, vol.58, pp.265-273, 1995 (Journal Indexed in SCI Expanded)
- 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, vol.29, no.1, pp.1-5, 1994 (Journal Indexed in SCI)
- LI. **The biosorption of copper II by C vulgaris and Z ramigera**
AKSU Z., SAĞ AÇIKEL Y., KUTSAL T.
Environmental Technology, vol.13, pp.579-586, 1992 (Journal Indexed in SCI Expanded)
- 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, vol.11, pp.33-40, 1990 (Journal Indexed in SCI Expanded)
- LIII. **THE USE OF ZOOGLAEA-RAMIGERA IN WASTE-WATER TREATMENT CONTAINING CR(VI) AND CD(II) IONS**
SAG Y., KUTSAL T.
BIOTECHNOLOGY LETTERS, vol.11, no.2, pp.145-148, 1989 (Journal Indexed in SCI)

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

Articles Published in Other Journals

- 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 (Refereed Journals of Other Institutions)
- 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 (Refereed Journals of Other Institutions)
- 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, vol.4, pp.91-96, 2017 (Refereed Journals of Other Institutions)

Books & Book Chapters

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

Refereed Congress / Symposium Publications in Proceedings

- 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 April 2019
- II. **Green Synthesis of Silver Nanoparticles Using pomegranate Waste**
Sağ Açikel Y.
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Turkey, 26 - 28 April 2018, pp.113-118
- III. **Synthesis of Copper Nanoparticles from Waste Onion Peels**
Sağ Açikel Y.
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Turkey, 26 - 28 April

2018, pp.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, Turkey, 26 - 28 April 2018, pp.124-128
- V. **Delivery of Ciprofloxacin from Halloysite Nanotubes**
Sağ Açıkel Y.
The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Nevşehir, Turkey, 26 - 28 April 2018, pp.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 June 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 June - 04 December 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 June 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 October 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 May 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 May 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, Turkey, 5 - 07 October 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, Spain, 20 - 23 June 1999, vol.9, pp.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, Spain, 20 - 23 June 1999, vol.9, pp.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, Turkey, 7 - 11 September 1992, vol.518, pp.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, Turkey, 7 - 11 September 1992, vol.518, pp.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, Turkey, 7 - 11 September 1992, vol.518, pp.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, Turkey, 16 - 27 September 1991, vol.210, pp.545-546

Supported Projects

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Tekli ve ikili karışımlarından ağır metal iyonlarının R.delemar'a biyobirikiminin incelenmesi, 2010 - Continues

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Kitin ve Kitosan Üzerine Kristal Viyole ve Bakırın Simultane Adsorpsiyonu Üzerine Antagonistik ve Sinerjistik Etkileşimlerin Araştırılması, 2017 - 2018

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Kitin ve kitosan üzerine metil kırmızısı boyar maddesi adsorpsiyonun incelenmesi, 2017 - 2018

SAĞ AÇIKEL Y., Türkes E., Project Supported by Higher Education Institutions, Yeni Bir Manyetik Halloysit-Kitosan Nanokompozit ile Sulu Çözeltilerden Cr(VI) Uzaklaştırılması, 2017 - 2017

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Eş zamanlı bakır biyobirikimi, melaslı ortamda Rhizopus delemarın üremesi ve lipaz üretimi RSM kullanılarak çevresel koşulların optimizasyonu, 2016 - 2017

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Kitin ve kitosan üzerine çinko biyosorpsiyonu kinetiği ve dengesinin araştırılması, 2016 - 2017

SAĞ AÇIKEL Y., Aşkar Ö. C. , Raeiatbin P., Project Supported by Higher Education Institutions, Halloysit-Aljinat Nanojellerin ve Halloysit-Kitosan Nanopartiküllerin Karakterizasyonu, Fizikokimyasal ve Termal Özelliklerinin Belirlenmesi, 2015 - 2017

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Kitosan ve Halloysit bazlı nanopartiküller kullanılarak adsorpsiyon yoluyla sulu ortamlardan antibiyotik giderimi, 2014 - 2017

SAĞ AÇIKEL Y., Raeiatbin P., Project Supported by Higher Education Institutions, Tetrasiklin Yüklenmiş Manyetik Halloysit Nanopartiküllerin Nano İlaç Taşıyıcılar Olarak Kullanılması, 2016 - 2016

SAĞ AÇIKEL Y., Project Supported by Higher Education Institutions, Atıksulardan metil kırmızısı, katyonik boya, asid mavisi 113, anyonik boyanın kitin ve kitosan kullanılarak uzaklaştırılması: Bakır iyonlarının etkisi, 2016 - 2016

Edit Congress and Symposium Activities

The 5th International Symposium on Pharmaceutical and Biomedical Sciences, Working Group, Nevşehir, Turkey, 2018

Citations

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