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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), Turkey 2001 - 2005

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1994 - 1998

Dissertations

Doctorate, Furanosteroid yapılı bazı bileşiklerin antifungal etkinliğinin ve *Neurospora crassa* fungal kültürünün biyotransformasyon ve biyosorpsiyon özelliklerinin incelenmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), 2005

Postgraduate, Çimento toz emisyonlarına maruz kalan insanların plazmalarında Ni, Cd, Cr ve Co elementlerinin ve eritrosit membran transport enzim düzeylerinin belirlenmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), 2001

Research Areas

Life Sciences, Biochemistry, Biotechnology, Chemistry

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2012 - Continues

Associate Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2006 - 2012

Research Assistant PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2005 - 2006

Research Assistant, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 1999 - 2005

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2018 - Continues

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2017 - Continues

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2017

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, 2012 - 2016

Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2008 - 2011

Manager of Research and Application Center, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2008 - 2011

Courses

Biyokimya-II, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2009 - 2010

Biochemistry-I, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2009 - 2010, 2007 - 2008

Advising Theses

Akar T., Capsicum annum L. atk tohumlarından elde edilen biyokömürün Pb(II) biyosorpsiyon potansiyelinin araştırılması, Postgraduate, M.M.H.(Student), 2021

Akar T., Jeopolimer destekli Neurospora sitophila hücrelerinin Pb²⁺ giderim potansiyeli, Postgraduate, B.NUR(Student), 2019

Akar T., Sepiyolit destekli mucor plumbeus ile metil viyole biyosorpsiyonu, Postgraduate, G.KURŞUNLU(Student), 2018

Akar T., Bitkisel biyokütle üzerine pasif immobilize Phlebia gigantea'nın Pb²⁺ biyosorpsiyonu karakteristikleri, Postgraduate, P.AYDIN(Student), 2018

Akar T., Anyonik hidrojel ile immobilize edilmiş thamnidium elegans biyokütlesinin kadmiyum ve nikel biyosorpsiyonu için kullanımı, Doctorate, S.ÇELİK(Student), 2018

Akar T., Manyetik mucor plumbeus biyokütlesinin sulu ortamdan renk giderim potansiyeli, Postgraduate, G.ÖZÇELİK(Student), 2016

Akar T., Manyetik Lactarius salmonicolor biyokütlesi ile Reaktif Sarı 2 biyosorpsiyonunun istatistiksel tasarımı, Postgraduate, R.KARAGÖZ(Student), 2015

Akar T., İmmobilize ve manyetik özellikli neurospora sitophila ile reaktif boyarmadde biyosorpsiyonu, Doctorate, M.DİVRİKLİOĞLU(Student), 2015

Akar T., Metil viyole içeren sulu çözeltilerden renk giderimi için Thamnidium elegans'in biyosorpsiyon karakteristiklerinin incelenmesi, Postgraduate, A.KÜLCÜ(Student), 2012

Akar T., Serbest ve immobilize Neurospora sitophila fungal biyokütlesi ile kadmiyum iyonları ve reaktif sarısı 2 boyarmaddesinin biyosorpsiyon koşullarının araştırılması, Doctorate, Z.KAYNAK(Student), 2011

Akar T., Sulu ortamdan reaktif kırmızısı 198 boyarmaddesinin giderimi için Thamnidium elegans fungal biyokütlesinin biyosorpsiyon özelliklerinin incelenmesi, Postgraduate, S.ARSLAN(Student), 2011

Akar T., Bitkisel doku üzerine Neurospora sitophila hücrelerinin immobilize edilmesiyle hazırlanan biyokütle sisteminin reaktif boyarmadde biyosorpsiyonu karakteristikleri, Postgraduate, S.ÇELİK(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Strength and functionalized borage biochar for effective elimination of nickel contamination: Insight into batch and dynamic flow mode treatment applications**
Tunali Akar S., Agin D., Sayın F., Akar T.
Environmental Research, vol.258, 2024 (SCI-Expanded)
- II. **Green biosourced composite for efficient reactive dye decontamination: immobilized Gibberella fujikuroi on maize tassel biomatrix**
Çelik S., Kurtulus Tas S., Sayın F., Akar T., Tunali Akar S.
Environmental Science and Pollution Research, vol.31, no.17, pp.25836-25848, 2024 (SCI-Expanded)
- III. **A novel sustainable and eco-friendly biosourced hybrid sorbent for toxic Pb²⁺ decontamination:**

Nano metal oxide functionalized salt-tolerant plant biomass

AKAR T., Alim S., Meltem G., SAYIN F., Tunali Akar S.

Journal of Cleaner Production, vol.439, 2024 (SCI-Expanded)

- IV. **Highly effective fish scale-based biochar as a recyclable and green material for toxic cadmium ion bioremoval from liquid phase**
Akar T., Karadağ Atılğan M., Çelik S., Sayın F., Tunali Akar S.
Biomass Conversion and Biorefinery, vol.14, no.4, pp.4869-4882, 2024 (SCI-Expanded)
- V. **Gel-entrapped biomass of *Lactarius salmonicolor* for the effective treatment of aquatic Co²⁺ and Mn²⁺ pollution**
Sayın F., Akar S., Tunc D., Akar T.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.3, pp.4257-4271, 2024 (SCI-Expanded)
- VI. ***Mucor* cells passively immobilized on rose waste phyto-biomass: An eco-friendly hybrid material for the biotreatment of reactive dye contamination**
Akar T., Duman N., Çelik S., Sayın F., Tunali Akar S.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, vol.38, 2023 (SCI-Expanded)
- VII. **Chitosan Functionalized Alunite as a Green Composite for Sorption and Preconcentration of Copper: From Parametric Optimization to Application**
Tunali Akar S., Tunc D., Sayın F., Akar T.
Journal of Polymers and the Environment, vol.31, no.4, pp.1359-1372, 2023 (SCI-Expanded)
- VIII. **A hybrid biocomposite of *Thamnidium elegans*/olive pomace/chitosan for efficient bioremoval of toxic copper**
Akar T., Uzunel Can Ü. G., Çelik S., Sayın F., Tunali Akar S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.221, pp.865-873, 2022 (SCI-Expanded)
- IX. **Parametric optimization of Cu(II) removal process by a metakaolin-based geopolymer: Batch and continuous process design**
Tunali Akar S., Çolo H., SAYIN F., Kara I., AKAR T.
Journal of Cleaner Production, vol.366, 2022 (SCI-Expanded)
- X. **Magnetically functionalized alunite as a recyclable and ecofriendly adsorbent for efficient removal of Pb²⁺**
Akar S., Balk Y., Sayın F., Akar T.
JOURNAL OF WATER PROCESS ENGINEERING, vol.48, 2022 (SCI-Expanded)
- XI. **From green biowaste to water treatment applications: Utilization of modified new biochar for the efficient removal of ciprofloxacin**
Sayın F., Akar S., Akar T.
SUSTAINABLE CHEMISTRY AND PHARMACY, vol.24, 2021 (SCI-Expanded)
- XII. **Design and modeling of the decolorization characteristics of a regenerable and eco-friendly geopolymer: Batch and dynamic flow mode treatment aspects**
Tunali Akar S., Koc E., Sayın F., Kara I., Akar T.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.298, 2021 (SCI-Expanded)
- XIII. **Chitosan immobilization and Fe₃O₄ functionalization of olive pomace: An eco-friendly and recyclable Pb²⁺-biosorbent**
Sayın F., Tunali Akar S., Akar T., Çelik S., Gedikbey T.
CARBOHYDRATE POLYMERS, vol.269, 2021 (SCI-Expanded)
- XIV. **Attached culture of *Gibberella fujikuroi* for biocomposite sorbent production and ciprofloxacin sequestration applications**
Akar T., Sayın F., Çelik S., Akar S.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.9, pp.2610-2619, 2021 (SCI-Expanded)
- XV. **Efficacy of green waste-derived biochar for lead removal from aqueous systems: Characterization, equilibrium, kinetic and application**
Hammo M. M., Akar T., Sayın F., Çelik S., Akar S.
Journal of Environmental Management, vol.289, 2021 (SCI-Expanded)

- XVI. **Immobilized *Mucor plumbeus* on sepiolite support: A potential decolorization agent suitable for batch and continuous mode water treatment**
Akar T., Kurşunlu G., Çelik S., Akar S.
Journal of Cleaner Production, vol.294, 2021 (SCI-Expanded)
- XVII. **Microbial cells immobilized on natural biomatrix as a new potential ecofriendly biosorbent for the biotreatment of reactive dye contamination**
Celik S., Duman N., Sayın F., Tunali Akar S., Akar T.
JOURNAL OF WATER PROCESS ENGINEERING, vol.39, 2021 (SCI-Expanded)
- XVIII. **Adsorption of Diazo Dye from Aqueous Solutions by Magnetic Montmorillonite Composite**
Tunali Akar S., Ozdemir I., Sayın F., Akar T.
Clean - Soil, Air, Water, vol.49, no.2, 2021 (SCI-Expanded)
- XIX. **Phlebia gigantea cells immobilized on renewable biomass matrix as potential ecofriendly scavenger for lead contamination**
Akar T., Aydın P., Celik S., Tunali Akar S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, pp.16177-16188, 2020 (SCI-Expanded)
- XX. **A passively immobilized novel biomagsorbent for the effective biosorptive treatment of dye contamination**
Divriklioglu M., AKAR S., AKAR T.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.25, pp.25834-25843, 2019 (SCI-Expanded)
- XXI. **Biosorptive detoxification of zearalenone biotoxin by surface-modified renewable biomass: process dynamics and application**
AKAR T., GÜRAY T., Yilmazer D. T., AKAR S.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.99, no.4, pp.1850-1861, 2019 (SCI-Expanded)
- XXII. **Process design and potential use of a regenerable biomagsorbent for effective decolorization process**
Karagoz R., AKAR S., TÜRKYILMAZ S., Celik S., AKAR T.
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, vol.93, pp.554-565, 2018 (SCI-Expanded)
- XXIII. **Conversion of natural mineral to effective geosorbent by coating MnO₂ and its application potential for dye contaminated wastewaters**
AKAR S., Aslan S., AKAR T.
JOURNAL OF CLEANER PRODUCTION, vol.189, pp.887-897, 2018 (SCI-Expanded)
- XXIV. **Biosorption of Basic Blue 7 by fungal cells immobilized on the green-type biomatrix of *Phragmites australis* spongy tissue**
AKAR T., Uzun C., Celik S., AKAR S.
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.20, no.2, pp.145-152, 2018 (SCI-Expanded)
- XXV. **Anionically reinforced hydrogel network entrapped fungal cells for retention of cadmium in the contaminated aquatic media**
Celik S., AKAR S., ŞÖLENER M., AKAR T.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.204, pp.583-593, 2017 (SCI-Expanded)
- XXVI. **The feasibility of *Thamnidium elegans* cells for color removal from real wastewater**
AKAR T., SAYIN F., TÜRKYILMAZ S., AKAR S.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.105, pp.316-325, 2017 (SCI-Expanded)
- XXVII. **Chitosan-alunite composite: An effective dye remover with high sorption, regeneration and application potential**
AKAR S., San E., AKAR T.
CARBOHYDRATE POLYMERS, vol.143, pp.318-326, 2016 (SCI-Expanded)
- XXVIII. **Surface-modified scarlet firethorn: an eco-friendly and effective dye remover with excellent regeneration potential**
AKAR S., Yilmazer D., AKAR T.
DESALINATION AND WATER TREATMENT, vol.57, no.12, pp.5546-5553, 2016 (SCI-Expanded)
- XXIX. **Removal of Cadmium and Manganese by an Ecofriendly Biomass**

- AKAR S., SAYIN F., Yilmazer D., AKAR T.
CLEAN-SOIL AIR WATER, vol.44, no.2, 2016 (SCI-Expanded)
- XXX. **Treatment design and characteristics of a biosorptive decolorization process by a green type sorbent**
AKAR T., TÜRKYILMAZ S., Celik S., AKAR S.
JOURNAL OF CLEANER PRODUCTION, vol.112, pp.4844-4853, 2016 (SCI-Expanded)
- XXXI. **Biosorption potential of surface-modified waste sugar beet pulp for the removal of Reactive Yellow 2 (RY2) anionic dye**
Tunali Akar S., Celik S., Tunc D., Yetimoglu Balk Y., AKAR T.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.6, pp.1044-1054, 2016 (SCI-Expanded)
- XXXII. **Effective biodecolorization potential of surface modified lignocellulosic industrial waste biomass**
AKAR S., Yilmazer D., Celik S., Balk Y. Y., AKAR T.
CHEMICAL ENGINEERING JOURNAL, vol.259, pp.286-292, 2015 (SCI-Expanded)
- XXXIII. **Multivariate optimization of the decolorization process by surface modified biomaterial: Box- Behnken design and mechanism analysis**
Akar S., Sayin F., Türkyılmaz S., Akar T.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.21, pp.13055-13068, 2014 (SCI-Expanded)
- XXXIV. **Characterization and application of plant-based magnetic biomaterial for batch and fixed-bed mode sequestration of lead from synthetic and real effluents**
AKAR T., Balk Y. Y., Tuna O., AKAR S.
ECOLOGICAL ENGINEERING, vol.61, pp.251-257, 2013 (SCI-Expanded)
- XXXV. **Utilization of *Thamnidium elegans* fungal culture in environmental cleanup: A reactive dye biosorption study**
AKAR T., Arslan S., AKAR S.
ECOLOGICAL ENGINEERING, vol.58, pp.363-370, 2013 (SCI-Expanded)
- XXXVI. **On the utilization of a lignocellulosic waste as an excellent dye remover: Modification, characterization and mechanism analysis**
AKAR S., Yilmazer D., Celik S., Balk Y. Y., AKAR T.
CHEMICAL ENGINEERING JOURNAL, vol.229, pp.257-266, 2013 (SCI-Expanded)
- XXXVII. **Effective decolorization potential of *Thamnidium elegans*: Biosorption optimization, modelling, characterization and application studies**
AKAR T., Kulcu A., AKAR S.
CHEMICAL ENGINEERING JOURNAL, vol.221, pp.461-468, 2013 (SCI-Expanded)
- XXXVIII. **Nickel removal characteristics of an immobilized macro fungus: equilibrium, kinetic and mechanism analysis of the biosorption**
AKAR T., Celik S., Ari A. G., AKAR S.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.88, no.4, pp.680-689, 2013 (SCI-Expanded)
- XXXIX. **Improved biosorption potential of *Thuja orientalis* cone powder for the biosorptive removal of Basic Blue 9**
AKAR S., Balk Y. Y., Tuna O., AKAR T.
CARBOHYDRATE POLYMERS, vol.94, no.1, pp.400-408, 2013 (SCI-Expanded)
- XL. **Chemical modification of a plant origin biomass using cationic surfactant ABDAC and the biosorptive decolorization of RR45 containing solutions**
AKAR T., Ozkara E., Celik S., TÜRKYILMAZ S., AKAR S.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.101, pp.307-314, 2013 (SCI-Expanded)
- XLI. **Removal of Pb²⁺ ions from contaminated solutions by microbial composite: Combined action of a soilborne fungus *Mucor plumbeus* and alunite matrix**
AKAR T., Celik S., Ari A. G., AKAR S.
CHEMICAL ENGINEERING JOURNAL, vol.215, pp.626-634, 2013 (SCI-Expanded)
- XLII. **Dithiocarbamated *Symphoricarpus albus* as a potential biosorbent for a reactive dye**
Kara I., AKAR S., AKAR T., Ozcan A.

- CHEMICAL ENGINEERING JOURNAL, vol.211, pp.442-452, 2012 (SCI-Expanded)
- XLIII. **Biosorption potential of the waste biomaterial obtained from Cucumis melo for the removal of Pb²⁺ ions from aqueous media: Equilibrium, kinetic, thermodynamic and mechanism analysis**
AKAR S., Arslan S., Alp T., Arslan D., AKAR T.
CHEMICAL ENGINEERING JOURNAL, vol.185, pp.82-90, 2012 (SCI-Expanded)
- XLIV. **Efficient biosorption of a reactive dye from contaminated media by Neurospora sitophila cells - Zea mays silk tissue biomass system**
AKAR T., Celik S.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.86, no.10, pp.1332-1341, 2011 (SCI-Expanded)
- XLV. **Decolorization of Reactive Blue 49 contaminated solutions by Capsicum annum seeds: Batch and continuous mode biosorption applications**
AKAR S., Gorgulu A., AKAR T., Celik S.
CHEMICAL ENGINEERING JOURNAL, vol.168, no.1, pp.125-133, 2011 (SCI-Expanded)
- XLVI. **Biosorption applications of modified fungal biomass for decolorization of Reactive Red 2 contaminated solutions: Batch and dynamic flow mode studies**
AKAR T., Divriklioglu M.
BIORESOURCE TECHNOLOGY, vol.101, no.19, pp.7271-7277, 2010 (SCI-Expanded)
- XLVII. **Biosorption performance of surface modified biomass obtained from Pyracantha coccinea for the decolorization of dye contaminated solutions**
AKAR T., Celik S., AKAR S.
CHEMICAL ENGINEERING JOURNAL, vol.160, no.2, pp.466-472, 2010 (SCI-Expanded)
- XLVIII. **Biosorption of a reactive textile dye from aqueous solutions utilizing an agro-waste**
AKAR S., ÖZCAN A. S., AKAR T., Oezcan A., Kaynak Z.
DESALINATION, vol.249, no.2, pp.757-761, 2009 (SCI-Expanded)
- XLIX. **Assessment of the biosorption characteristics of a macro-fungus for the decolorization of Acid Red 44 (AR44) dye**
AKAR T., Tosun I., Kaynak Z., Kavas E., Incirkus G., AKAR S.
JOURNAL OF HAZARDOUS MATERIALS, vol.171, pp.865-871, 2009 (SCI-Expanded)
- L. **Assessment of cationic dye biosorption characteristics of untreated and non-conventional biomass: Pyracantha coccinea berries**
AKAR T., ANILAN B., Gorgulu A., AKAR S.
JOURNAL OF HAZARDOUS MATERIALS, vol.168, pp.1302-1309, 2009 (SCI-Expanded)
- LI. **Biosorption of lead(II) ions onto waste biomass of Phaseolus vulgaris L.: estimation of the equilibrium, kinetic and thermodynamic parameters**
Ozcan A. S., Tunali S., AKAR T., Ozcan A.
Desalination, vol.244, pp.188-198, 2009 (SCI-Expanded)
- LII. **An attractive agro-industrial by-product in environmental cleanup: Dye biosorption potential of untreated olive pomace**
AKAR T., Tosun I., Kaynak Z., Ozkara E., Yeni O., Sahin E. N., AKAR S.
JOURNAL OF HAZARDOUS MATERIALS, vol.166, pp.1217-1225, 2009 (SCI-Expanded)
- LIII. **Removal of copper(II) ions from synthetic solution and real wastewater by the combined action of dried Trametes versicolor cells and montmorillonite**
AKAR S., AKAR T., Kaynak Z., ANILAN B., ÇABUK A., Tabak O., Demir T. A., Gedikbey T.
HYDROMETALLURGY, vol.97, pp.98-104, 2009 (SCI-Expanded)
- LIV. **Investigation of the biosorption characteristics of lead(II) ions onto Symphoricarpus albus: Batch and dynamic flow studies**
AKAR S., Gorgulu A., ANILAN B., Kaynak Z., AKAR T.
JOURNAL OF HAZARDOUS MATERIALS, vol.165, pp.126-133, 2009 (SCI-Expanded)
- LV. **Biosorption of Reactive Blue 49 dye under batch and continuous mode using a mixed biosorbent of macro-fungus Agaricus bisporus and Thuja orientalis cones**
AKAR S., Gorgulu A., Kaynak Z., ANILAN B., AKAR T.

- CHEMICAL ENGINEERING JOURNAL, vol.148, no.1, pp.26-34, 2009 (SCI-Expanded)
- LVI. **Enhanced biosorption of nickel(II) ions by silica-gel-immobilized waste biomass: Biosorption characteristics in batch and dynamic flow mode**
AKAR T., Kaynak Z., Ulusoy Ş., Yuvaci D., Onari G., AKAR S.
JOURNAL OF HAZARDOUS MATERIALS, vol.163, pp.1134-1141, 2009 (SCI-Expanded)
- LVII. **Decolorization of a textile dye, reactive red 198 (RR198), by *Aspergillus parasiticus* fungal biosorbent**
Akar S., Akar T., Cabuk A.
Brazilian Journal of Chemical Engineering, vol.26, no.2, pp.399-405, 2009 (SCI-Expanded)
- LVIII. **Batch and Dynamic Flow Biosorption Potential of *Agaricus bisporus*/Thuja orientalis Biomass Mixture for Decolorization of RR45 Dye**
AKAR T., ANILAN B., Kaynak Z., Gorgulu A., AKAR S.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.23, pp.9715-9723, 2008 (SCI-Expanded)
- LIX. **Biosorption of a textile dye (Acid Blue 40) by cone biomass of Thuja orientalis: Estimation of equilibrium, thermodynamic and kinetic parameters**
AKAR T., Ozcan A. S., Tunali S., Ozcan A.
Bioresource Technology, vol.99, no.8, pp.3057-3065, 2008 (SCI-Expanded)
- LX. **Biosorption of Pb(II) by industrial strain of *Saccharomyces cerevisiae* immobilized on the biomatrix of cone biomass of Pinus nigra: Equilibrium and mechanism analysis**
Cabuk A., AKAR T., Tunali S., Gedikli S.
Chemical Engineering Journal, vol.131, pp.293-300, 2007 (SCI-Expanded)
- LXI. **Utilization of the Phaseolus vulgaris L. Waste biomass for decolorization of the textile dye Acid Red 57: Determination of equilibrium, kinetic and thermodynamic parameters**
Tunali S., Ozcan A., Kaynak Z., Ozcan A. S., AKAR T.
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- LXII. **Study on the characterization of lead (II) biosorption by fungus *Aspergillus parasiticus***
AKAR T., Tunali S., Cabuk A.
Applied Biochemistry and Biotechnology, vol.136, no.3, pp.389-405, 2007 (SCI-Expanded)
- LXIII. **Adsorption potential of lead(II) ions from aqueous solutions onto Capsicum annum seeds**
Ozcan A. S., Ozcan A., Tunali S., AKAR T., KIRAN İ., Gedikbey T.
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- LXIV. **Biosorption potential of the macrofungus *Ganoderma carnosum* for removal of lead(II) ions from aqueous solutions**
AKAR T., Cabuk A., Tunali S., Yamac M.
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- LXV. **Biosorption characteristics of *Aspergillus flavus* biomass for removal of Pb(II) and Cu(II) ions from an aqueous solution**
AKAR T., Tunali S.
Bioresource Technology, vol.97, no.15, pp.1780-1787, 2006 (SCI-Expanded)
- LXVI. **Biosorption kinetics and isotherm studies of Acid Red 57 by dried *Cephalosporium aphidicola* cells from aqueous solutions**
KIRAN İ., AKAR T., Ozcan A. S., Ozcan A., Tunali S.
Biochemical Engineering Journal, vol.31, no.3, pp.197-203, 2006 (SCI-Expanded)
- LXVII. **Biosorption characteristics of *Bacillus* sp. ATS-2 immobilized in silica gel for removal of Pb(II)**
Cabuk A., AKAR T., Tunali S., Tabak O.
Journal of Hazardous Materials, vol.136, no.2, pp.317-323, 2006 (SCI-Expanded)
- LXVIII. **Biosorption potential of *Neurospora crassa* cells for decolorization of Acid Red 57 (AR57) dye**
AKAR T., Demir T. A., KIRAN İ., Ozcan A., Ozcan A. S., Tunali S.
Journal of Chemical Technology and Biotechnology, vol.81, no.7, pp.1100-1106, 2006 (SCI-Expanded)

- LXIX. **Cadmium exposure from the cement dust emissions: A field study in a rural residence**
Isikli B., Demir T. A., AKAR T., Berber A., Urer S. M., Kalyoncu C., Canbek M.
CHEMOSPHERE, vol.63, no.9, pp.1546-1552, 2006 (SCI-Expanded)
- LXX. **Zn(II) biosorption properties of Botrytis cinerea biomass**
Tunali S., Akar T.
Journal of Hazardous Materials, vol.131, pp.137-145, 2006 (SCI-Expanded)
- LXXI. **Removal of lead and copper ions from aqueous solutions by bacterial strain isolated from soil**
Tunali S., Cabuk A., Akar T.
Chemical Engineering Journal, vol.115, no.3, pp.203-211, 2006 (SCI-Expanded)
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