

Kişisel Bilgiler

E-posta: bakkaya@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/bakkaya>

Verdiği Dersler

Bitirme Tezi, Lisans, 2019 - 2020

Seminer Dersi, Yüksek Lisans, 2019 - 2020

Enzimatik Analiz - II Lab., Lisans, 2018 - 2019

Protein Ligant Etkileşimleri : Uygulama ve Analitiksel Yöntemler, Yüksek Lisans, 2019 - 2020

Uzmanlık Alan Dersi, Doktora, 2019 - 2020

Öğretmenlik Uygulaması, Lisans, 2018 - 2019

Biyokimya I, Lisans, 2019 - 2020

Enzimatik Analiz - II, Lisans, 2018 - 2019

Protein Saflaştırma Teknikleri, Lisans, 2018 - 2019

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Afinite Teknikleri, Lisans, 2015 - 2016

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Uzmanlık Alan Dersi, Yüksek Lisans, 2014 - 2015

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Chemical and biological characterization of sulfated chitosan oligomer as heparin mimics**
Kocabay S., Bahar M. R. , TEKİN S., AKKAYA R., AKKAYA B.
POLYMERS & POLYMER COMPOSITES, 2021 (SCI İndekslerine Giren Dergi)
- II. **Preparation of sulfatide mimicking oleic acid sulfated chitosan as a potential inhibitor for metastasis**
Kocabay S., AKKAYA B.
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- III. **Mercury leads to abnormal red blood cell adhesion to laminin mediated by membrane sulfatides**
AKKAYA B., Kucukal E., Little J. A. , Gurkan U. A.
BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, cilt.1861, sa.6, ss.1162-1171, 2019 (SCI İndekslerine Giren Dergi)
- IV. **Production, purification, and characterization of metalloprotease from Candida kefyr 41 PSB**
Yavuz S., KOCABAY S., ÇETİNKAYA S., AKKAYA B., AKKAYA R., YENİDÜNYA A. F. , BAKICI M. Z.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.94, ss.106-113, 2017 (SCI İndekslerine Giren Dergi)
- V. **Characterization of thermostable beta-amylase isozymes from Lactobacillus fermentum**
KOCABAY S., ÇETİNKAYA S., AKKAYA B., YENİDÜNYA A. F.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.93, ss.195-202, 2016 (SCI İndekslerine Giren Dergi)
- VI. **Selective and single step adsorption of α -lactalbumin from whole cow's milk on hydroxyapatite**

microbeads

ÇETİNKAYA S., AKKAYA B.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.68, ss.573-578, 2016 (SCI İndekslerine Giren Dergi)

- VII. **Porous and spherical hydroxyapatite microcomposites for immunoglobulin G adsorption**
Akkaya B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.130, sa.4, ss.2764-2771, 2013 (SCI İndekslerine Giren Dergi)
- VIII. **Separation of lysozyme with magnetically stabilized spherical hydroxyapatite microcomposites in a continuous flow system**
Akkaya B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.130, sa.3, ss.1602-1610, 2013 (SCI İndekslerine Giren Dergi)
- IX. **New low-cost composite adsorbent synthesis and characterization**
AKKAYA R., AKKAYA B.
DESALINATION AND WATER TREATMENT, cilt.51, ss.3497-3504, 2013 (SCI İndekslerine Giren Dergi)
- X. **Adsorption isotherms, kinetics, thermodynamics and desorption studies for uranium and thorium ions from aqueous solution by novel microporous composite P(HEMA-EP)**
AKKAYA R., AKKAYA B.
JOURNAL OF NUCLEAR MATERIALS, cilt.434, ss.328-333, 2013 (SCI İndekslerine Giren Dergi)
- XI. **Concanavalin a immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification**
AKKAYA B., YAVUZ H., CANDAN F., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.125, sa.3, ss.1867-1874, 2012 (SCI İndekslerine Giren Dergi)
- XII. **Production and immobilization of a novel thermoalkalophilic extracellular amylase from bacilli isolate**
AKKAYA B., YENİDÜNYA A. F. , AKKAYA R.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.50, sa.4, ss.991-995, 2012 (SCI İndekslerine Giren Dergi)
- XIII. **IgG purification by bentonite-acrylamide-histidine microcomposite**
Akkaya B.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.92, ss.151-155, 2012 (SCI İndekslerine Giren Dergi)
- XIV. **Bentonite-acrylamide-histidine-Cu(II) Microcomposite for Cytochrome c Adsorption**
AKKAYA B., AKKAYA R.
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- XV. **Properties of an extracellular lipase from a traditional yoghurt yeast**
AKKAYA B., YENİDÜNYA A. F.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, cilt.37, sa.1, ss.62-67, 2012 (SCI İndekslerine Giren Dergi)
- XVI. **A Crosslinked Carboxylic Acid Containing Cation Exchange Monolithic Cryogel for Human Serum Albumin Separation**
AKKAYA B., AKKAYA R.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.49, sa.9, ss.736-743, 2012 (SCI İndekslerine Giren Dergi)
- XVII. **Cross-Linked Bentonite-Acrylamide-histidine-Based Metal-Chelate Affinity Microcomposites for Lysozyme Separation From Egg White**
AKKAYA B., AKKAYA R.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.48, sa.2, ss.272-280, 2012 (SCI İndekslerine Giren Dergi)
- XVIII. **Concanavalin a Immobilized Monosize and Magnetic Poly(glycidyl Methacrylate) Beads for Use in Yeast Invertase Adsorption**
AKKAYA B., UZUN L., ALTINTAS E. B. , CANDAN F., DENİZLİ A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.46, sa.3, ss.232-239, 2009 (SCI İndekslerine Giren Dergi)
- XIX. **N-methacryloyl-(L)-histidine methyl ester carrying porous magnetic beads for metal chelate**

adsorption of cytochrome c

Akkaya B., Uzun L., Candan F., Denizli A.

MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, cilt.27, sa.1, ss.180-187, 2007 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Cytochrome c adsorption in a continuous flow system by using Cu(II)-chelated magnetic affinity particles**
AKKAYA R., AKKAYA B.
BANGLADESH JOURNAL OF MEDICAL SCIENCE, cilt.20, sa.1, ss.159-163, 2021 (ESCI İndekslerine Giren Dergi)
- II. **Wi-Fi decreases melatonin protective effect and increases hippocampal neuronal damage in pentylenetetrazole induced model seizures in rats**
AKKAYA R., Gümüş E., AKKAYA B., KARABULUT S., Gülmez K., KARADEMİR M., TAŞTEMUR Y., Taşkıran A. Ş.
Pathophysiology, 2019 (Diğer Kurumların Hakemli Dergileri)
- III. **New Composite, Poly(Hydroxyethylmethacrylate-Expanded Perlite), for Single step Separation of Egg White Lysozyme**
AKKAYA B., AKKAYA R.
Cumhuriyet Science Journal, cilt.39, sa.3, ss.694-702, 2018 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Purification of Yeast Metalloprotease by Affinity Chromatography**
AKKAYA B., YENİDÜNYA A. F. , AKKAYA R.
IV. Ulusal Afinite Teknikleri Kongresi konferansı, Konya, Türkiye, 23 - 27 Haziran 2014
- II. **Organic Solvent Tolerant B-Amylase From Lactobacillus Fermentum**
KOCABAY S., AKKAYA B., YENİDÜNYA A. F. , ÇETİNKAYA S.
4th International Türk-Pak Conference Chemical Sciences (ITPCCS 2017), 26 - 28 Ekim 2017
- III. **Screening Of Potential Probiotic Properties Of Lactobacillus Fermentum Isolated From Newborn Baby Gaita**
KOCABAY S., ÇETİNKAYA S., AKKAYA B., YENİDÜNYA A. F.
8th International Advanced Technologies Symposium, 19 - 21 Ekim 2017
- IV. **Bebek Gaitalarında Yer Alan Bakterilerin Genotipik Ve Fenotipik Karakterizasyonu**
AKKAYA B., KOCABAY S., YENİDÜNYA A. F.
3. Ulusal Klinik Mikrobiyoloji Kongresi, Belek / İstanbul, Türkiye, 18 - 22 Kasım 2015
- V. **Hidroksiapatit Partiküller Kullanılarak Laktalbümin in İnek Sütünden Saflaştırılması**
ÇETİNKAYA S., AKKAYA B.
UYGULAMALI BİYOKİMYADA GÜNCEL KONULAR- 2, Türkiye, 20 - 23 Ağustos 2015
- VI. **Adsorption Of Heavy Metal Ions In Tattoos Ink By Modified Bentonite Clay**
AKKAYA B., AKKAYA R.
International 2nd European Congress on Tatto and Pigment Research, Brugge/Belgium, Belçika, 28 - 30 Nisan 2015
- VII. **Characterization of Enzyme Produced Isolates From Fecal Samples**
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- VIII. **N İzopropil Akrilamid Akrilik asit Monolitik Kriyojel Kolonlar**
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Kromatografi Kongresi, Türkiye, 4 - 07 Temmuz 2011
- IX. **Production and Immobilization of a Novel hyper thermoalkalophilic extracellular amylase**

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International Conference on Enzyme Science and Technology, ICEST 2011, 13 - 17 Haziran 2011

X. **Konkanavalin A İmmobilize Eş Boyutlu Mikrokürelere İnvertazın Adsorpsiyonu ve Kinetiğinin İncelenmesi**

AKKAYA B., UZUN L., CANDAN F., DENİZLİ A.

VIII Kromatografi Kongresi, Türkiye, 9 - 11 Haziran 2008

XI. **Kırmızı ve Kara Turp un Antioksidan Özellikleri**

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Atıflar

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