

## Personal Information

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## Courses

Bitirme Tezi, Under Graduate, 2019 - 2020

Seminer Dersi, Post Graduate, 2019 - 2020

Enzimatik Analiz - II Lab., Under Graduate, 2018 - 2019

Protein Ligant Etkileşimleri : Uygulama ve Analitiksel Yöntemler, Post Graduate, 2019 - 2020

Uzmanlık Alan Dersi, Doctorate, 2019 - 2020

Öğretmenlik Uygulaması, Under Graduate, 2018 - 2019

Biyokimya I, Under Graduate, 2019 - 2020

Enzimatik Analiz - II, Under Graduate, 2018 - 2019

Protein Saflaştırma Teknikleri, Under Graduate, 2018 - 2019

Enzimatik Analiz - I Lab., Under Graduate, 2018 - 2019

Enzimatik Analiz - I, Under Graduate, 2018 - 2019

Afinite Teknikleri, Under Graduate, 2015 - 2016

Seminer Dersi, Doctorate, 2015 - 2016

Uzmanlık Alan Dersi, Post Graduate, 2014 - 2015

Biyotransformasyon II, Under Graduate, 2010 - 2011

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Preparation of sulfatide mimicking oleic acid sulfated chitosan as a potential inhibitor for metastasis**  
Kocabay S., AKKAYA B.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.147, pp.792-798, 2020 (Journal Indexed in SCI)
- **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, vol.1861, pp.1162-1171, 2019 (Journal Indexed in SCI)
- **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, vol.94, pp.106-113, 2017 (Journal Indexed in SCI)
- **Characterization of thermostable beta-amylase isozymes from *Lactobacillus fermentum***  
KOCABAY S., ÇETİNKAYA S., AKKAYA B., YENİDÜNYA A. F.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.93, pp.195-202, 2016 (Journal Indexed in SCI)
- **Selective and single step adsorption of  $\alpha$ -lactalbumin from whole cow's milk on hydroxyapatite microbeads**  
ÇETİNKAYA S., AKKAYA B.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.573-578, 2016 (Journal Indexed in SCI)
- **Porous and spherical hydroxyapatite microcomposites for immunoglobulin G adsorption**  
Akkaya B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.130, pp.2764-2771, 2013 (Journal Indexed in SCI)
- **Separation of lysozyme with magnetically stabilized spherical hydroxyapatite microcomposites in a continuous flow system**

Akkaya B.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.130, pp.1602-1610, 2013 (Journal Indexed in SCI)

- **New low-cost composite adsorbent synthesis and characterization**

AKKAYA R., AKKAYA B.

DESALINATION AND WATER TREATMENT, vol.51, pp.3497-3504, 2013 (Journal Indexed in SCI)

- **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, vol.434, pp.328-333, 2013 (Journal Indexed in SCI)

- **Concanavalin a immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification**

AKKAYA B., Yavuz H., CANDAN F., DENİZLİ A.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, pp.1867-1874, 2012 (Journal Indexed in SCI)

- **Production and immobilization of a novel thermoalkalophilic extracellular amylase from bacilli isolate**

AKKAYA B., YENİDÜNYA A. F. , AKKAYA R.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.50, pp.991-995, 2012 (Journal Indexed in SCI)

- **IgG purification by bentonite-acrylamide-histidine microcomposite**

Akkaya B.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.92, pp.151-155, 2012 (Journal Indexed in SCI)

- **Bentonite-acrylamide-histidine-Cu(II) Microcomposite for Cytochrome c Adsorption**

AKKAYA B., AKKAYA R.

POLYMERS & POLYMER COMPOSITES, vol.20, pp.829-835, 2012 (Journal Indexed in SCI)

- **Properties of an extracellular lipase from a traditional yoghurt yeast**

AKKAYA B., YENİDÜNYA A. F.

TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.37, pp.62-67, 2012 (Journal Indexed in SCI)

- **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, vol.49, pp.736-743, 2012 (Journal Indexed in SCI)

- **Cross-Linked Bentonite-Acrylamide-histidine-Based Metal-Chelate Affinity Microcomposites for Lysozyme Separation From Egg White**

AKKAYA B., AKKAYA R.

SEPARATION SCIENCE AND TECHNOLOGY, vol.48, pp.272-280, 2012 (Journal Indexed in SCI)

- **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, vol.46, pp.232-239, 2009 (Journal Indexed in SCI)

- **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, vol.27, pp.180-187, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Wi-Fi decreases melatonin protective effect and increases hippocampal neuronal damage in pentylene tetrazole induced model seizures in rats**

AKKAYA R., Gümüő E., AKKAYA B., KARABULUT S., Gülmöz K., KARADEMİR M., TAŐTEMUR Y., TaŐkıran A. Ő. Pathophysiology, 2019 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **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 October 2017
- **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 October 2017
- **Hidroksiapatit Partiküller Kullanılarak Laktalbümin in İnek Sütünden Safaştırılması**  
ÇETİNKAYA S., AKKAYA B.  
UYGULAMALI BİYOKİMYADA GÜNCEL KONULAR- 2, Turkey, 20 - 23 August 2015
- **Characterization of Enzyme Produced Isolates From Fecal Samples**  
AKKAYA B., ÇETİNKAYA S., YENİDÜNYA A. F.  
3rd International Congress of Molecular Biology and Biotechnology, 2 - 06 June 2014
- **Kırmızı ve Kara Turp un Antioksidan Özellikleri**  
CANDAN F., ŞAHİN S., AKKAYA B., DÖNMEZ E.  
XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 18 - 21 September 2003

## Citations

Total Citations (WOS):125

h-index (WOS):6