

Prof. SEVGİ ERTUĞRUL KARATAY

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-7457-2020

ScopusID: 57044495900

Yoksis Researcher ID: 109673

Education Information

Post Doctorate, Universiteit Gent, Belgium 2011 - 2012

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2005 - 2010

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Mikrobiyel lipitlerin biyodizel üretiminde kullanım kapasitelerinin belirlenmesi, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2010

Postgraduate, Zeytinyağı fabrikası atıksularından lipaz üreten mikroorganizmaların izolasyonu, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2005

Research Areas

Life Sciences, Biotechnology, Environmental Biology, Microbiology, Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2018 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2012 - 2018

Research Assistant, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2002 - 2012

Courses

Prokaryotik Çeşitlilik, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

General Microbiology II L., Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Prokaryotic Diversity, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

General Microbiology II, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Biofuels, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
BIO 481 Virology, Undergraduate, 2024 - 2025
804573 Mikrobiyel Biyoenerji, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
804532 Biyoenerjetik ve Metabolizma, Doctorate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
BIO 482 Environmental Microbiology, Undergraduate, 2023 - 2024
BİY 210 Genel Mikrobiyoloji II, Undergraduate, 2024 - 2025, 2023 - 2024, 2016 - 2017
Genel Mikrobiyoloji II L., Undergraduate, 2022 - 2023, 2021 - 2022
Biyoenerjetik ve Metabolizma, Doctorate, 2022 - 2023, 2021 - 2022
Mikrobiyel Biyoenerji, Postgraduate, 2022 - 2023, 2021 - 2022
Genel Mikrobiyoloji II, Undergraduate, 2022 - 2023, 2021 - 2022
Genel Mikrobiyoloji I, Undergraduate, 2022 - 2023, 2021 - 2022
Biyoyakıtlar, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
General Biology L., Undergraduate, 2022 - 2023, 2021 - 2022
Genel Mikrobiyoloji I L., Undergraduate, 2022 - 2023, 2021 - 2022
Biofuels, Undergraduate, 2022 - 2023
General Biology I, Undergraduate, 2022 - 2023, 2021 - 2022
BİY210 Genel Mikrobiyoloji Laboratuvarı, Undergraduate, 2015 - 2016
BİY 209, BİY 210 Genel Mikrobiyoloji, Undergraduate, 2014 - 2015
Biyoyakıtlar, Undergraduate, 2013 - 2014, 2012 - 2013
Genel Mikrobiyoloji Uygulama, Undergraduate, 2013 - 2014, 2012 - 2013

Advising Theses

Ertuğrul Karatay S., GİLABURU (*Viburnum opulus* L.) POSASININ *Clostridium beijerinckii* İLE BİYOBÜTANOL ÜRETİMİNDE KULLANIM OLANAKLARININ ARAŞTIRILMASI, Postgraduate, M.NUR(Student), 2024
Ertuğrul Karatay S., Mikroalgal biyoetanol üretiminde gıda atıklarının kullanımı, Postgraduate, I.KASAP(Student), 2024
Ertuğrul Karatay S., Remazol Brilliant Blue R arıtımında kullanılmak üzere *Chlorella vulgaris* üretiminde gıda atıklarının değerlendirilmesi, Postgraduate, S.BÜŞRA(Student), 2023
Ertuğrul Karatay S., Zirai Atıkların ve Mikroalgal Biyokütlenin Biyobütanol Üretiminde Kullanım Kapasitelerinin Belirlenmesi, Doctorate, N.TEKİN(Student), 2023
Ertuğrul Karatay S., Mikroalg tabanlı biyoetanol üretiminde *Chlorella vulgaris* biyokütlesinin kullanımı, Postgraduate, M.KARTAL(Student), 2023
Ertuğrul Karatay S., Endüstriyel sebze atıklarının biyoetanol ve antosiyanin üretiminde kullanımlarının belirlenmesi, Postgraduate, A.GERBAGA(Student), 2022
Ertuğrul Karatay S., Endüstriyel çay atığından biyoetanol üretimi, Postgraduate, E.AÇIKEL(Student), 2022
ERTUĞRUL KARATAY S., Reaktif black 5 tekstil boyasının biyogideriminde surfaktan kullanımı, Postgraduate, H.ELÇİN(Student), 2021
ERTUĞRUL KARATAY S., *Chlorella vulgaris* mikroalginden biyodizel üretime zirai atık kullanımının etkisinin belirlenmesi, Postgraduate, B.ERGÖRÜNLÜ(Student), 2021
ERTUĞRUL KARATAY S., Reaktif boyaların biyogideriminde fungal biyokütle kullanımı, Postgraduate, İ.ÖZEREN(Student), 2019
ERTUĞRUL KARATAY S., The usage of microorganisms for lithium(I) bioremoval, Postgraduate, G.BÜŞRA(Student), 2019
ERTUĞRUL KARATAY S., The usage of fungi for textile dyes, Postgraduate, G.BODUR(Student), 2019
ERTUĞRUL KARATAY S., Investigation of bioethanol production potentials of agricultural wastes, Doctorate, E.DEMİRAY(Student), 2019
ERTUĞRUL KARATAY S., The usage of surfactants for copper (II) bioremoval, Postgraduate, H.KAAN(Student), 2018
ERTUĞRUL KARATAY S., Decolorization of reactive black 5 dye with halotolerant yeasts, Postgraduate, B.ŞEYMA(Student), 2018
ERTUĞRUL KARATAY S., İmidaclopridin gideriminde mikroorganizma kullanım olanaklarının araştırılması, Postgraduate,

S.İŞILDAK(Student), 2017

ERTUĞRUL KARATAY S., Dunaliella cinsine ait türlerin biyoetanol üretiminde hammadde olarak kullanım kapasitelerinin belirlenmesi, Postgraduate, M.ERDOĞAN(Student), 2015

Jury Memberships

Post Graduate, Post Graduate, Ankara Üniversitesi, September, 2024

Doctorate, Doctorate, Escuela Universitaria de Ingenieria, September, 2024

Post Graduate, Post Graduate, Ankara Üniversitesi, May, 2024

Doctorate, Doctorate, Ankara Üniversitesi, May, 2024

Doctorate, Doctorate, Ankara Üniversitesi, February, 2024

Post Graduate, Post Graduate, Ankara Üniversitesi, January, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, October, 2023

Post Graduate, Post Graduate, Ankara Üniversitesi, September, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, August, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, August, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, August, 2023

Associate Professor Exam, Associate Professor Exam, Ankara University, June, 2023

Doctorate, Doctorate, Ankara Üniversitesi, May, 2023

Post Graduate, Post Graduate, Ankara Üniversitesi, March, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Use of Cranberry Bush (*Viburnum opulus* L.) Fruit Pomace as a Renewable Substrate for Biobutanol Production by *Clostridium beijerinckii* in the Presence of Sodium Dithionite**
Çelik M. N., Tekin N., Karatay S., DÖNMEZ G.
Bioenergy Research, vol.17, no.3, pp.1689-1700, 2024 (SCI-Expanded)
- II. **Biosorption of Remazol Brilliant Blue R textile dye using *Clostridium beijerinckii* by biorefinery approach**
Tekin N., Köse T., Karatay S., DÖNMEZ G.
Environmental Science and Pollution Research, vol.31, no.39, pp.51568-51581, 2024 (SCI-Expanded)
- III. **A study on bioremoval of a neonicotinoid insecticide, imidacloprid, by a newly isolated *Acremonium sclerotigenum***
İsildak S., Tekin N., ERTUĞRUL KARATAY S., DÖNMEZ G.
BIOLOGIA, vol.79, no.8, pp.2621-2628, 2024 (SCI-Expanded)
- IV. **Bioethanol production from mulberry pomace by newly isolated non-conventional yeast *Hanseniaspora uvarum***
Kabadayı H. K., DEMİRAY E., Karatay S., DÖNMEZ G.
Biomass Conversion and Biorefinery, vol.14, no.9, pp.10611-10620, 2024 (SCI-Expanded)
- V. **Enhanced Cu (II) bioremoval by newly isolated *Kluyveromyces marxianus* with sodium dodecyl sulphate**
Kabadayı H. K., DEMİRAY E., ERTUĞRUL KARATAY S., DÖNMEZ G.
BIOREMEDIATION JOURNAL, 2024 (SCI-Expanded)
- VI. **Sequential Anthocyanin Extraction and Ethanol Production from Eggplant Peel Through Biorefinery Approach**

- DEMİRAY E., Gerbağa A., ERTUĞRUL KARATAY S., DÖNMEZ G.
Bioenergy Research, vol.17, no.1, pp.383-391, 2024 (SCI-Expanded)
- VII. **Development of co-culture system for efficient production of biobutanol from eggplant stalk in the presence of a surfactant**
Tekin N., Yıldırım Ü., ERTUĞRUL KARATAY S., DÖNMEZ G.
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
- VIII. **Reactive Black 5 bioremoval potential of newly isolated halotolerant Kluyveromyces marxianus**
Ceyhun B. S., ERTUĞRUL KARATAY S., Demiray E., DÖNMEZ G.
BIOREMEDIATION JOURNAL, vol.28, no.2, pp.156-171, 2024 (SCI-Expanded)
- IX. **Third generation biobutanol production by Clostridium beijerinckii in a medium containing mixotrophically cultivated Dunaliella salina biomass**
Tekin N., Ertuğrul Karatay S., Dönmez G.
Preparative Biochemistry and Biotechnology, vol.54, no.4, pp.483-493, 2024 (SCI-Expanded)
- X. **Enhanced lipid accumulation of Chlorella vulgaris with agricultural waste under optimized photoheterotrophic conditions**
Tekin N., Ergorunlu B., Ertuğrul Karatay S., Dönmez G.
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.5, pp.4183-4194, 2023 (SCI-Expanded)
- XI. **Synergistic effect of CTAB on Reactive Black 5 removal performance of Candida tropicalis**
Demiray E., Günan Yücel H., Ozkuzucu H. E., Ertuğrul Karatay S., Aksu Z., Dönmez G.
BIOREMEDIATION JOURNAL, vol.27, no.2, pp.126-136, 2023 (SCI-Expanded)
- XII. **Potentiality of newly isolated Aspergillus tubingensis in biosorption of textile dyes: equilibrium and kinetic modeling**
ERTUĞRUL KARATAY S., AKSU Z., Ozeren I., DÖNMEZ G.
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.6, pp.4777-4784, 2023 (SCI-Expanded)
- XIII. **Optimization studies about efficient biobutanol production from industrial tea waste by Clostridium beijerinckii**
Tekin N., Ertuğrul Karatay S., Dönmez G.
FUEL, vol.331, 2023 (SCI-Expanded)
- XIV. **Usage potential of apple and carrot pomaces as raw materials for newly isolated yeast lipid-based biodiesel production**
ERTUĞRUL KARATAY S., Demiray E., DÖNMEZ G.
BIOMASS CONVERSION AND BIOREFINERY, vol.12, no.10, pp.4773-4783, 2022 (SCI-Expanded)
- XV. **Optimization Study for Enhanced Biodiesel Production by Novel Yeast Isolates Cultivated in Dilute Acid Pretreated Pumpkin Peel**
Demiray E., ERTUĞRUL KARATAY S., DÖNMEZ G.
BIOENERGY RESEARCH, vol.15, no.3, pp.1472-1481, 2022 (SCI-Expanded)
- XVI. **Second generation bioethanol production from hemicellulolytic hydrolyzate of apple pomace by Pichia stipitis**
Kut A., Demiray E., ERTUĞRUL KARATAY S., DÖNMEZ G.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.44, no.2, pp.5574-5585, 2022 (SCI-Expanded)
- XVII. **Saccharomyces cerevisiae and newly isolated Candida boidinii co-fermentation of industrial tea waste for improved bioethanol production**
DEMİRAY E., Açıkel E., ERTUĞRUL KARATAY S., DÖNMEZ G.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.44, no.1, pp.1160-1172, 2022 (SCI-Expanded)
- XVIII. **Novel application of isolated Micrococcus luteus and Bacillus pumilus for Li+ ion biosorption: a comparative study**
GÜNAN YÜCEL H., AKSU Z., Usta T., ERTUĞRUL KARATAY S., DÖNMEZ G.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.51, no.9, pp.892-900, 2021 (SCI-Expanded)
- XIX. **Lithium (I) biofortified Dunaliella salina as a potential functional nutrition supplement**

GÜNNAN YÜCEL H., ERTUĞRUL KARATAY S., AKSU Z., DÖNMEZ G.

ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS, vol.56, 2021 (SCI-Expanded)

- XX. **Usage of soluble soy protein on enzymatically hydrolysis of apple pomace for cost-efficient bioethanol production**
Demiray E., Kut A., ERTUĞRUL KARATAY S., DÖNMEZ G.
FUEL, vol.289, 2021 (SCI-Expanded)
- XXI. **Determination of Bioethanol Production from Apricot (*Prunus armeniaca*) Pomace**
Demiray E., Ertuğrul Karatay S., Dönmez G.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.64, 2021 (SCI-Expanded)
- XXII. **Efficient bioethanol production from pomegranate peels by newly isolated *Kluyveromyces marxianus***
Demiray E., Ertuğrul Karatay S., Dönmez G.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.42, no.6, pp.709-718, 2020 (SCI-Expanded)
- XXIII. **A comparative investigation of lithium(I) biosorption properties of *Aspergillus versicolor* and *Kluyveromyces marxianus***
GÜNNAN YÜCEL H., AKSU Z., Yalcinkaya G. B., ERTUĞRUL KARATAY S., DÖNMEZ G.
WATER SCIENCE AND TECHNOLOGY, vol.81, no.3, pp.499-507, 2020 (SCI-Expanded)
- XXIV. **Improvement of bioethanol production from pomegranate peels via acidic pretreatment and enzymatic hydrolysis**
DEMİRAY E., ERTUĞRUL KARATAY S., DÖNMEZ G.
Environmental Science and Pollution Research, vol.26, no.28, pp.29366-29378, 2019 (SCI-Expanded)
- XXV. **Efficient approaches to convert *Coniochaeta hoffmannii* lipids into biodiesel by in-situ transesterification**
ERTUĞRUL KARATAY S., DEMİRAY E., DÖNMEZ G.
Bioresource Technology, vol.285, 2019 (SCI-Expanded)
- XXVI. **Bioethanol production by newly isolated halotolerant *Kluyveromyces marxianus* strains**
Ertuğrul Karatay S., Demiray E., Dönmez G.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.38, no.2, pp.542-547, 2019 (SCI-Expanded)
- XXVII. **Evaluation of pomegranate peel in ethanol production by *Saccharomyces cerevisiae* and *Pichia stipitis***
Demiray E., Karatay S., Dönmez G.
Energy, vol.159, pp.988-994, 2018 (SCI-Expanded)
- XXVIII. **Introducing a new salty waste for second-generation bioethanol production**
Demiray E., Ertuğrul Karatay S., Ekici H., Donmez G.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.40, no.17, pp.2070-2078, 2018 (SCI-Expanded)
- XXIX. **Effective biosorption of phenol by the thermophilic cyanobacterium *Phormidium* sp.**
ERTUĞRUL KARATAY S., Donmez G., AKSU Z.
WATER SCIENCE AND TECHNOLOGY, vol.76, no.12, pp.3190-3194, 2017 (SCI-Expanded)
- XXX. **Experimental investigations on bioethanol production from halophilic microalgal biomass**
Ertuğrul Karatay S., Erdogan M., Donmez S., Dönmez G.
ECOLOGICAL ENGINEERING, vol.95, pp.266-270, 2016 (SCI-Expanded)
- XXXI. **The isolation of novel yeast strains for bioethanol production**
Demiray E., ERTUĞRUL KARATAY S., DÖNMEZ G.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)
- XXXII. **THE USAGE OF CARROT POMACE FOR BIOETHANOL PRODUCTION**
Demiray E., Ertuğrul Karatay S., Donmez S., Dönmez G.
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.61, no.2, pp.2996-2998, 2016 (SCI-Expanded)
- XXXIII. **Removal of Remazol Blue by azoreductase from newly isolated bacteria**
ERTUĞRUL KARATAY S., Kilic N., DÖNMEZ G.

- ECOLOGICAL ENGINEERING, vol.84, pp.301-304, 2015 (SCI-Expanded)
- XXXIV. **Usage of thermophilic cyanobacterial biomass for bioethanol production**
Karatay S.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.34, no.3, pp.903-907, 2015 (SCI-Expanded)
- XXXV. **An economical phenol bioremoval method using *Aspergillus versicolor* and agricultural wastes as a carbon source**
ERTUĞRUL KARATAY S., DÖNMEZ G.
ECOLOGICAL ENGINEERING, vol.73, pp.224-228, 2014 (SCI-Expanded)
- XXXVI. **Stimulation of Phenol Removal Efficiency of *Aspergillus versicolor* by Surfactants, a Promising Way to Treat Phenol-Containing Waste Waters**
ERTUĞRUL KARATAY S., GÜL Ü. D., DÖNMEZ G.
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.17, no.6, pp.1223-1228, 2014 (SCI-Expanded)
- XXXVII. **The usage of carrot pomace as a feedstock for bioethanol production**
Demiray E., ERTUĞRUL KARATAY S., DÖNMEZ G., Donmez S.
NEW BIOTECHNOLOGY, vol.31, 2014 (SCI-Expanded)
- XXXVIII. **EVALUATION OF BIOTECHNOLOGICAL POTENTIALS OF SOME INDUSTRIAL FUNGI IN ECONOMICAL LIPID ACCUMULATION AND BIOFUEL PRODUCTION AS A FIELD OF USE**
ERTUĞRUL KARATAY S., DÖNMEZ G.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.44, no.4, pp.332-341, 2014 (SCI-Expanded)
- XXXIX. **DETERMINATION OF METHYLENE BLUE BIOSORPTION BY *Rhizopus arrhizus* IN THE PRESENCE OF SURFACTANTS WITH DIFFERENT CHEMICAL STRUCTURES**
ERTUĞRUL KARATAY S., GÜL Ü. D., DÖNMEZ G.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.44, no.7, pp.653-662, 2014 (SCI-Expanded)
- XL. **Bioremoval of textile dyes with different chemical structures by *Aspergillus versicolor* in molasses medium**
ERTİT TAŞTAN B., Karatay S., DÖNMEZ G.
WATER SCIENCE AND TECHNOLOGY, vol.66, no.10, pp.2177-2184, 2012 (SCI-Expanded)
- XLI. **Microbial oil production from thermophile cyanobacteria for biodiesel production**
Karatay S., DÖNMEZ G.
APPLIED ENERGY, vol.88, no.11, pp.3632-3635, 2011 (SCI-Expanded)
- XLII. **Potential of *Gonium* spp. in Synthetic Reactive Dye Removal, Possible Role of Laccases and Stimulation by Triacantanol Hormone**
Kılıç N., Karatay S., Duygu E., DÖNMEZ G.
WATER AIR AND SOIL POLLUTION, vol.222, no.1-4, pp.297-303, 2011 (SCI-Expanded)
- XLIII. **Improving the lipid accumulation properties of the yeast cells for biodiesel production using molasses**
Karatay S., DÖNMEZ G.
BIORESOURCE TECHNOLOGY, vol.101, no.20, pp.7988-7990, 2010 (SCI-Expanded)
- XLIV. **Methylene Blue biosorption by *Rhizopus arrhizus*: Effect of SDS (sodium dodecylsulfate) surfactant on biosorption properties**
AKSU Z., Ertuğrul S., DÖNMEZ G.
CHEMICAL ENGINEERING JOURNAL, vol.158, no.3, pp.474-481, 2010 (SCI-Expanded)
- XLV. **Effective bioremoval of reactive dye and heavy metals by *Aspergillus versicolor***
ERTİT TAŞTAN B., Ertuğrul S., DÖNMEZ G.
BIORESOURCE TECHNOLOGY, vol.101, no.3, pp.870-876, 2010 (SCI-Expanded)
- XLVI. **Single and binary chromium(VI) and Remazol Black B biosorption properties of *Phormidium* sp.**
AKSU Z., Ertuğrul S., DÖNMEZ G.
JOURNAL OF HAZARDOUS MATERIALS, vol.168, no.1, pp.310-318, 2009 (SCI-Expanded)
- XLVII. **Efficient Production of Bioactive Recombinant Human Flt3 Ligand in *E. coli***
Verstraete K., Koch S., Ertugrul S., Vandenberghe I., Aerts M., Vandriessche G., Thiede C., Savvides S. N.
PROTEIN JOURNAL, vol.28, no.2, pp.57-65, 2009 (SCI-Expanded)

- XLVIII. **Treatment of dye (Remazol Blue) and heavy metals using yeast cells with the purpose of managing polluted textile wastewaters**
ERTUĞRUL KARATAY S., San N. O., DÖNMEZ G.
ECOLOGICAL ENGINEERING, vol.35, no.1, pp.128-134, 2009 (SCI-Expanded)
- XLIX. **Treatment of dye-rich wastewater by an immobilized thermophilic cyanobacterial strain: Phormidium sp.**
ERTUĞRUL KARATAY S., BAKIR M., DÖNMEZ G.
ECOLOGICAL ENGINEERING, vol.32, no.3, pp.244-248, 2008 (SCI-Expanded)
- L. **Isolation of lipase producing Bacillus sp from olive mill wastewater and improving its enzyme activity**
Ertugrul S., Donmez G., Takac S.
JOURNAL OF HAZARDOUS MATERIALS, vol.149, no.3, pp.720-724, 2007 (SCI-Expanded)
- LI. **Inhibitory effects of chromium(VI) and Remazol Black B on chromium(VI) and dyestuff removals by Trametes versicolor**
Aksu Z., Kilic N. K., Ertugrul S., Donmez G.
ENZYME AND MICROBIAL TECHNOLOGY, vol.40, no.5, pp.1167-1174, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of Food Wastes in *Chlorella vulgaris* Cultivation for Remazol Brilliant Blue R Biosorption**
Nazli S. B., Tekin N., ERTUĞRUL KARATAY S., DÖNMEZ G.
AQUATIC SCIENCES AND ENGINEERING, no.1, pp.1-7, 2024 (ESCI)
- II. **Response surface methodology based optimization studies about bioethanol production by *Candida boidinii* from pumpkin residues**
DEMİRAY E., ERTUĞRUL KARATAY S., DÖNMEZ G.
Biotech Studies, vol.33, no.1, pp.43-51, 2024 (Scopus)
- III. **INVESTIGATION OF BRILLIANT BLUE R DYE BIOREMOVAL CAPACITY OF TRICHODERMA SP.**
BODUR G., ERTUĞRUL KARATAY S., DEMİRAY E., DÖNMEZ G.
Ecological Life Sciences, vol.15, no.1, pp.1-8, 2020 (Peer-Reviewed Journal)
- IV. **YER FISTIĞI KABUĞUNDAN BİYOETANOL ÜRETİMİ**
BOSTANCI C., ERTUĞRUL KARATAY S., DÖNMEZ G.
Gıda, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Valorisation of carrot pomace in third generation bioethanol production**
Ertugrul Karatay S., Kasap İ., Kut A., Dönmez G.
20th International Conference on Renewable Resources and Biorefineries, Brussels, Belgium, 5 - 07 June 2024, pp.165
- II. **Effect of sodium dodecyl sulphate on cu(II) biosorption**
ERTUĞRUL KARATAY S., DÖNMEZ G., KAAAN K.
2nd International Euroasian Conference on Biological and Chemical Sciences (EuroasianBioChem2019), 28 - 29 June 2019
- III. **Bioethanol Production from Turnip Juice Discards as a Raw Material by an Osmotolerant Yeast**
DEMİRAY E., ERTUĞRUL KARATAY S., DÖNMEZ G.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), June 28-29, 2019 Ankara, Turkey, Ankara, Turkey, 28 - 29 June 2019, pp.1045-1050
- IV. **Bioremoval of Commonly Used Textile Dyes by Aspergillus sp.**

BODUR G., ERTUĞRUL KARATAY S., DEMİRAY E., DÖNMEZ G.

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- V. **Effect of Sodium Dodecyl Benzenesulfonate on the Biosorption of Reactive Black 5 by Yeast Cells**
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