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International Researcher IDs

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Education Information

Post Doctorate, University of Central Lancashire, Biomedical Science, Biosciences, United Kingdom 2019 - 2020

Doctorate, Ankara University, Institute Of Science, Turkey 2001 - 2005

Postgraduate, Erciyes University, Fen Bil. Enst., Biyoloji, Turkey 1998 - 2001

Undergraduate, Erciyes University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Principles and application of isotopic methodology and metrology, TÜBİTAK, UME, 2012

Education Management and Planning, Quantitative Methods for Environmental Data Analysis with Statistical Package R", C.R. Rao Advanced Institute of Mathematics and Computer Science, 2012

Education Management and Planning, Temel Hücre Kültürü Kursu, ERÜ, ERBİYOTEK, 2011

Dissertations

Doctorate, Sapanca ve Abant Gölü Su, Sediment ve Sucul Bitki Örneklerinde Ağır Metal Konsantrasyonlarının Karşılaştırmalı Olarak İncelenmesi, Ankara Üniversitesi, Fen Bil. Enst., Biyoloji, 2005

Postgraduate, Sarımsaklı-Karasu'da Yetişen Phragmites australis ve Thypha angustifolia Bitkilerinde ve Bunları Çevreleyen Sedimentlerde Ağır Metal Tayini, Erciyes Üniversitesi, Fen Bil. Enst., Biyoloji, 2001

Research Areas

Ecology and Pollution, Bioreactor, Environmental Biotechnology, Industrial Biotechnology, Hydrobiology

Academic Titles / Tasks

Professor, Erciyes University, Biyoloji, 2017 - Continues
Associate Professor, Erciyes University, Fen Fak, Biyoloji, 2011 - 2017
Assistant Professor, Erciyes University, Fen Edeb. Fak., Biyoloji, 2006 - 2011
Research Assistant, Erciyes University, Biyoloji, 2005 - 2006
Research Assistant, Ankara University, Biyoloji, 2001 - 2005
Research Assistant, Erciyes University, Fen Edeb. Fak., Biyoloji, 2000 - 2001

Academic and Administrative Experience

Erciyes Üniversitesi, Fen Fak, Biyoloji, 2011 - Continues
Erciyes University, 2011 - Continues
Erciyes University, 2007 - Continues
Erciyes Üniversitesi, Fen Fak, Biyoloji, 2007 - 2011
Erciyes Üniversitesi, Fen Fak, Biyoloji, 2007 - 2010
Erciyes University, 2007 - 2010

Courses

Algoloji, Undergraduate, 2023 - 2024
Hidrobiyoloji, Undergraduate, 2023 - 2024
Hidrobiyolojide Araştırma Yöntemleri, Postgraduate, 2023 - 2024
Deniz Biyolojisi, Undergraduate, 2023 - 2024
Göllerde Ötrofikasyon, Postgraduate, 2023 - 2024
Biyolojik Bilimlerde Nanomalzeme Uygulamaları, Postgraduate, 2023 - 2024

Advising Theses

Duman F., Fosfor Nanopartiküllerinin Biyosentezi, Karakterizasyonu ve Alg Gelişimi Üzerine Etkisi, Postgraduate, İ.CAN(Student), 2022
Duman F., Peganum harmala (üzerlik) tohum özütü kullanılarak floresans özellikli AgO nanopartiküllerinin eldesi, karakterizasyonu ve ledlerde kullanımı, Postgraduate, A.ÖRENÇ(Student), 2021
Duman F., HİDROFİLİK VE HİDROFOBİK ÖZELLİKLİ KATMANLARA SAHİP NANO MALZEME KATKILI BİYOUYUMLU MEMBRAN ÜRETİMİ VE UYGULAMALARI, Doctorate, F.GÜNEY(Student), 2021
Duman F., Alabalık kemiği kaynaklı hidroksiapatit eldesi, karakterizasyonu ve kemik grefti olarak denenmesi, Postgraduate, H.EKEER(Student), 2021
Duman F., ZnS, CdC ve PbS kuantum noktaların biyosentezi, karakterizasyonu ve genotoksik özelliklerinin incelenmesi, Doctorate, N.ÖCAL(Student), 2019
Duman F., KİTOSAN TABANLI SÜPERHİDROFOBİK FİLM ELDESİ, KARAKTERİZASYONU VE ANTİFUNGAL AKTİVİTESİ, Postgraduate, M.Bedir(Student), 2019
DUMAN F., Biosynthesis , Characterization and Removal Efficiency for Petroleum Leakage of the Cofe2o4 Nanoparticles, Postgraduate, H.M.(Student), 2017
Öztürk Küp F., Duman F., BIOSYNTHESIS OF SILVER NANOPARTICLES USING HORSECHESTNUT (Aesculus hippocastanum) LEAF EXTRACT, DETERMINATION OF BIOLOGIC ACTIVIES AND DRUG RELEASE PROPERTIES , Postgraduate, S.ÇOŞKUNÇAY(Student), 2017
DUMAN F., CuO, ZnO ve TiO2 Nanopartiküllerinin Mentha aquatica L. Bitkisinin Yaprak Ekstraktı Kullanılarak Biyosentezi, Karakterizasyonu ve Genotoksik Etkileri, Doctorate, F.Doğan(Student), 2017
DUMAN F., Nevşehir İlinin Rotifer Faunası ve Mevsimsel Değişimi, Doctorate, M.Kar(Student), 2016
DUMAN F., Kılıçözü deresi (Kırşehir) su, sediment ve Typha angustifolia örneklerinde ağır metal konsantrasyonlarının

mevsimsel olarak incelenmesi, Postgraduate, E.Ürey(Student), 2014
DUMAN F., Cr(III) ve Cr(VI) maruziyetinde Ceratophyllum demersum L.'nin biyolojik cevabı: Konsantrasyon ve uygulama periyodunun etkisi, Postgraduate, F.Doğan(Student), 2012
DUMAN F., Yamula Barajı Su Sediment ve Squalius cephalus (Tatlı Su Kefali) Örneklerinde Ağır Metal Düzeylerin Mevsimsel Değişiminin İncelenmesi, Postgraduate, M.Kar(Student), 2011
Duman F., Arsenik (As+3 ve As+5) uygulanmış Daphnia magna' da lipid peroksidasyonu ve antioksidan enzim aktivitelerinin incelenmesi, Postgraduate, S.TAŞDEMİR(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of MgAl₂O₄: Eu³⁺ Nano-Phosphors Through the Use of Aniline and Hydrazine Fuels: Study of Structural and Optical Characteristics through Calcination**
Rafiaei S. M., Duman F.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.1, no.1, pp.1-5, 2024 (SCI-Expanded)
- II. **Sustainable Next-generation Color Converters of P. harmala Seed Extracts for Solid-State Lighting**
Erdem T., Örenç A., Akcan D., Duman F., Soran Erdem Z.
RSC ADVANCES, vol.14, pp.18528-18535, 2024 (SCI-Expanded)
- III. **Dual-function macroalgae biochar: Catalyst for hydrogen production and electrocatalyst**
Bekirogulları M., Abut S., Duman F., Avcı Hansu T.
FUEL, vol.362, pp.1-6, 2024 (SCI-Expanded)
- IV. **Eco-friendly intracellular biosynthesis of CdS quantum dots using Pseudomonas aeruginosa: Evaluation of antimicrobial effects and DNA cleavage activities**
Ocal N., Ceylan A., Duman F.
RECENT PATENTS ON NANOTECHNOLOGY, vol.17, no.1, pp.59-67, 2023 (SCI-Expanded)
- V. **Cellular Interaction of Human Skin Cells towards Natural Bioink via 3D-Bioprinting Technologies for Chronic Wound: A Comprehensive Review**
Masri S., Zawani M., Zulkiflee I., Salleh A., Md Fadilah N. I., Duman F., Fauzi M. B.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.476, pp.1-25, 2022 (SCI-Expanded)
- VI. **Lake sediment based catalyst for hydrogen generation via methanolysis of sodium borohydride: an optimization study with artificial neural network modelling**
Bekirogullari M., Abut S., DUMAN F., Hansu T. A.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.134, no.1, pp.57-74, 2021 (SCI-Expanded)
- VII. **Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies**
Atelge M. R., Mohamed Atabani A., Abut S., Kaya M., Eskicioglu C., Semaan G., Lee C., Yildiz Y. Ş., Ünalan S., Mohanasundaram R., et al.
BIORESOURTE TECHNOLOGY, vol.322, 2021 (SCI-Expanded)
- VIII. **Intracellular biosynthesis of PbS quantum dots using Pseudomonas aeruginosa ATCC 27853: evaluation of antibacterial effects and DNA cleavage activities**
Ocal N., CEYLAN A., DUMAN F.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.36, no.10, 2020 (SCI-Expanded)
- IX. **A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery**
Atelge M., Atabani A., Banu J. R., Krisa D., Kaya M., Eskicioglu C., Kumar G., Lee C., Yildiz Y. Ş., Ünalan S., et al.
FUEL, vol.270, 2020 (SCI-Expanded)
- X. **A novel Microcystis aeruginosa supported manganese catalyst for hydrogen generation through methanolysis of sodium borohydride**
DUMAN F., Atelge M., Kaya M., Atabani A., Kumar G., ŞAHİN U., ÜNALAN S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.23, pp.12755-12765, 2020 (SCI-Expanded)
- XI. **Biosynthesis of silver nanoparticles using leaf extract of Aesculus hippocastanum (horse chestnut): Evaluation of their antibacterial, antioxidant and drug release system activities**

Öztürk Küp F., Coskuncay S., Duman F.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.107, 2020 (SCI-Expanded)

- XII. **Harvesting of blooming microalgae using green synthesized magnetic maghemite (γ -Fe₂O₃) nanoparticles for biofuel production**
Duman F., Şahin U., Atabani A.
Fuel, vol.256, 2019 (SCI-Expanded)
- XIII. **Genotoxic and cytotoxic activity of green synthesized TiO₂ nanoparticles**
Koca F. D., Duman F.
APPLIED NANOSCIENCE, vol.9, no.5, pp.815-823, 2019 (SCI-Expanded)
- XIV. **Eco-Friendly Fabrication of Plasmonically Active Substrates Based on End-Grafted Poly(ethylene glycol) Layers**
Ocal S. K., Pekdemir S., Serhatlioglu M., Ipekci H. H., Şahmetlioğlu E., Narin I., Duman F., Elbuken C., Demirel G., Önses M. S.
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.7, pp.4315-4324, 2019 (SCI-Expanded)
- XV. **DNA Cleavage Properties, Antimicrobial and Cytotoxic Activity and 4D-QSAR Analysis of Some Pyrazole Derivatives**
Köprü S., Kup F. O., Sabancı N., Çadır M., Bulut D. C., Duman F., İlhan İ. Ö., Sarıpınar E.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, pp.904-918, 2019 (SCI-Expanded)
- XVI. **A rapid synthesis of 2-((2-amino-4,6-dimethylpyrimidine-5yl) diazenyl)benzoic acid: Experimental, DFT study and DNA cleavage activity**
Karabacak Atay Ç., DUMAN F., Gökalp M., TİLKİ T., Ozdemir Kart S.
Journal of Molecular Structure, vol.1171, pp.906-914, 2018 (SCI-Expanded)
- XVII. **Antimicrobial, Antioxidant, Cytotoxic and Wound Healing Effects of Thymbra sintonisii Extract**
Tutar U., Hepokur C., Mısır S., Hepokur A., DUMAN F.
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.80, no.5, pp.868-874, 2018 (SCI-Expanded)
- XVIII. **An inclusive physicochemical comparison of natural and synthetic chitin films**
Kaya M., Salaberria A. M., Muhtaba M., Labidi J., Baran T., Mulercikas P., DUMAN F.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.106, pp.1062-1070, 2018 (SCI-Expanded)
- XIX. **Comparison of phytotoxic effects of bio-synthesised copper oxide nanoparticle and ionic copper on Elodea canadensis**
KOCA F. D., Yılmaz D., DUMAN F., ÖÇSOY I.
CHEMISTRY AND ECOLOGY, vol.34, no.9, pp.839-853, 2018 (SCI-Expanded)
- XX. **Formation of Matricaria chamomilla extract-incorporated Ag nanoparticles and size-dependent enhanced antimicrobial property**
Doğru E., Demirbaş A., ALTINSOY B., DUMAN F., ÖÇSOY I.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.174, pp.78-83, 2017 (SCI-Expanded)
- XXI. **High optoelectronic and antimicrobial performances of green synthesized ZnO nanoparticles using Aesculus hippocastanum**
Colak H., Karakose E., DUMAN F.
ENVIRONMENTAL CHEMISTRY LETTERS, vol.15, no.3, pp.547-552, 2017 (SCI-Expanded)
- XXII. **Green synthesis and antimicrobial activity of ZnO nanostructures Punica granatum shell extract**
Karakose E., Colak H., DUMAN F.
GREEN PROCESSING AND SYNTHESIS, vol.6, no.3, pp.317-323, 2017 (SCI-Expanded)
- XXIII. **A green approach for formation of silver nanoparticles on magnetic graphene oxide and highly effective antimicrobial activity and reusability**
ÖÇSOY I., TEMİZ M., CELİK C., Altinsoy B., YILMAZ V., DUMAN F.
JOURNAL OF MOLECULAR LIQUIDS, vol.227, pp.147-152, 2017 (SCI-Expanded)
- XXIV. **Crayfish chitosan for microencapsulation of coriander (Coriandrum sativum L.) essential oil**
DUMAN F., Kaya M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.92, pp.125-133, 2016 (SCI-Expanded)

- XXV. **Chamomile flower extract-directed CuO nanoparticle formation for its antioxidant and DNA cleavage properties**
DUMAN F., ÖÇSOY I., Kup F.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.60, pp.333-338, 2016 (SCI-Expanded)
- XXVI. **DETERMINATION OF HEAVY METAL ACCUMULATION IN WATER, SEDIMENT AND SMARTWEED (POLYGONUM AMPHIBIUM) FROM SARIMSAKLI DAM LAKE (KAYSERI-TURKEY)**
KOCA F. D., KIZILDAĞ N., DARICI C., DUMAN F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.5, pp.1373-1382, 2016 (SCI-Expanded)
- XXVII. **A TAXONOMICAL STUDY ON THE ROTIFER FAUNA OF CAPPADOCIA REGION (CENTRAL ANATOLIA, TURKEY)**
Kar M., Duman F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.8, pp.2718-2724, 2016 (SCI-Expanded)
- XXVIII. **Comparison of some blood parameters of Rainbow Trout (*Oncorhynchus mykiss*) living in running and still water**
AYDIN D., Kaya Ö. F., DUMAN F.
IRANIAN JOURNAL OF FISHERIES SCIENCES, vol.15, no.1, pp.497-507, 2016 (SCI-Expanded)
- XXIX. **Temporal variation of heavy metal accumulation and translocation characteristics of narrow-leaved cattail (*Typha angustifolia* L.)**
DUMAN F., UREY E., KOCA F. D.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.22, pp.17886-17896, 2015 (SCI-Expanded)
- XXX. **Characterisation of alpha-chitin extracted from a lichenised fungus species *Xanthoria parietina***
Kaya M., HALICI M. G., DUMAN F., Erdogan S., Baran T.
NATURAL PRODUCT RESEARCH, vol.29, no.13, pp.1280-1284, 2015 (SCI-Expanded)
- XXXI. **Evaluation of effects of exposure conditions on the biological responses of *Gammarus pulex* exposed to cadmium**
DUMAN F., Kar M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.12, no.2, pp.437-444, 2015 (SCI-Expanded)
- XXXII. **SINGLE AND COMBINED EFFECTS OF EXPOSURE CONCENTRATION AND DURATION ON BIOLOGICAL RESPONSES OF *CERATOPHYLLUM DEMERSUM* L. EXPOSED TO Cr SPECIES**
DUMAN F., KOCA F. D.
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.16, no.12, pp.1192-1208, 2014 (SCI-Expanded)
- XXXIII. **Resting Eggs as New Biosorbent for Preconcentration of Trace Elements in Various Samples Prior to Their Determination by FAAS**
SAÇMACI Ş., Yilmaz Y., KARTAL Ş., Kaya M., DUMAN F.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.159, pp.254-262, 2014 (SCI-Expanded)
- XXXIV. **Antagonist Effects of Sodium Chloride on the Biological Responses of an Aquatic Plant (*Ceratophyllum demersum* L.) Exposed to Hexavalent Chromium**
DUMAN F., KOCA F. D., ŞAHAN S.
WATER AIR AND SOIL POLLUTION, vol.225, no.2, 2014 (SCI-Expanded)
- XXXV. **The quick extraction of chitin from an epizoic crustacean species (*Chelonibia patula*)**
Kaya M., Karaarslan M., Baran T., Can E., Ekemen G., Bitim B., DUMAN F.
NATURAL PRODUCT RESEARCH, vol.28, no.23, pp.2186-2190, 2014 (SCI-Expanded)
- XXXVI. **Temporal Variation of Metal Concentrations of Creek Sediment Samples**
DUMAN F., UREY E., Kar M.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.22, no.5, pp.1335-1339, 2013 (SCI-Expanded)
- XXXVII. **Temporal Variation of Metals in Water, Sediment and Tissues of the European Chup (*Squalius cephalus* L.)**
DUMAN F., Kar M.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.89, no.2, pp.428-433, 2012 (SCI-

- Expanded)
- XXXVIII. **Single and combined effects of exposure concentration and duration on chromium phytoaccumulation.**
duman f., KOCA F. D., AKSOY A.
CURRENT OPINION IN BIOTECHNOLOGY, 2011 (SCI-Expanded)
- XXXIX. **Effects of Exogenous Glycinebetaine and Trehalose on Cadmium Accumulation and Biological Responses of an Aquatic Plant (*Lemna gibba* L.)**
DUMAN F., Aksoy A., Aydin Z., TEMİZGÜL R.
WATER AIR AND SOIL POLLUTION, vol.217, pp.545-556, 2011 (SCI-Expanded)
- XL. **Effects of Exogenous Glycinebetaine and Trehalose on Lead Accumulation in an Aquatic Plant (*Lemna gibba* L.)**
Duman F.
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.13, no.5, pp.492-497, 2011 (SCI-Expanded)
- XLI. **Correlation Between Chlorophyll Degradation and the Amount of Heavy Metals Found in *Pseudevernia furfuracea* in Kayseri (Turkey)**
Yildiz A., Aksoy A., Akbulut G., Demirezen D., Islek C., Altuner E. M., DUMAN F.
EKOLOJİ, vol.20, no.78, pp.82-88, 2011 (SCI-Expanded)
- XLII. **Influence of salinity on the growth and heavy metal accumulation capacity of *Spirodela polyrrhiza* (Lemnaceae)**
Leblebici Z., Aksoy A., DUMAN F.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.2, pp.215-220, 2011 (SCI-Expanded)
- XLIII. **Arsenic accumulation and biological responses of watercress (*Nasturtium officinale* R. Br.) exposed to arsenite**
Ozturk F., DUMAN F., LEBLEBİCİ Z., TEMİZGÜL R.
ENVIRONMENTAL AND EXPERIMENTAL BOTANY, vol.69, no.2, pp.167-174, 2010 (SCI-Expanded)
- XLIV. **Exogenous Salicylate Application Affects the Lead and Copper Accumulation Characteristics of *Lemna gibba* L.**
DUMAN F., Aksoy A., Ozturk F., CEYLAN A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.65, pp.675-680, 2010 (SCI-Expanded)
- XLV. **Influence of nutrient addition on growth and accumulation of cadmium and copper in *Lemna gibba***
LEBLEBİCİ Z., Aksoy A., DUMAN F.
CHEMICAL SPECIATION AND BIOAVAILABILITY, vol.22, no.3, pp.157-164, 2010 (SCI-Expanded)
- XLVI. **HEAVY METAL ACCUMULATION IN SOILS AROUND A SALT LAKE IN TURKEY**
Tug G. N., DUMAN F.
PAKISTAN JOURNAL OF BOTANY, vol.42, no.4, pp.2327-2333, 2010 (SCI-Expanded)
- XLVII. **Biological responses of duckweed (*Lemna minor* L.) exposed to the inorganic arsenic species As(III) and As(V): effects of concentration and duration of exposure**
DUMAN F., Ozturk F., AYDIN Z.
ECOTOXICOLOGY, vol.19, no.5, pp.983-993, 2010 (SCI-Expanded)
- XLVIII. **Biological responses of a non-target aquatic plant (*Nasturtium officinale*) to the herbicide, tribenuron-methyl**
DUMAN F., UREY E., TEMİZGÜL R., BOZOK F.
WEED BIOLOGY AND MANAGEMENT, vol.10, no.2, pp.81-90, 2010 (SCI-Expanded)
- XLIX. ***Argyroneta aquatica* (CLERCK, 1757) (Araneae: Cybaeidae) as a Biological Indicator for Environmental Pollution of Sultan Marsh National Park, Turkey**
SEYYAR O., Demir H., Kar M., DUMAN F.
ACTA ZOOLOGICA BULGARICA, vol.62, no.1, pp.107-112, 2010 (SCI-Expanded)
- L. **Nickel accumulation and its effect on biomass, protein content and antioxidative enzymes in roots and leaves of watercress (*Nasturtium officinale* R. Br.)**
DUMAN F., Ozturk F.

- JOURNAL OF ENVIRONMENTAL SCIENCES, vol.22, no.4, pp.526-532, 2010 (SCI-Expanded)
- LI. **Habitat Selection, Diversity and Estimating the Species Richness of Rotifers in Two Ponds Located in Central Anatolia**
Kaya M., DUMAN F., Altindag A.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.9, no.19, pp.2437-2444, 2010 (SCI-Expanded)
- LII. **ACUTE TOXICITY OF SOME INSECTICIDES ON *Artemia salina* and *Daphnia magna***
Onbasili D., DUMAN F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.11, pp.2608-2610, 2010 (SCI-Expanded)
- LIII. **Growth and bioaccumulation characteristics of watercress (*Nasturtium officinale* R. BR.) exposed to cadmium, cobalt and chromium**
DUMAN F., LEBLEBİCİ Z., Aksoy A.
CHEMICAL SPECIATION AND BIOAVAILABILITY, vol.21, no.4, pp.257-265, 2009 (SCI-Expanded)
- LIV. **Bioaccumulation of Nickel, Copper and Cadmium by *Spirodela polyrhiza* and *Lemna gibba*.**
duman f., LEBLEBİCİ Z., AKSOY A.
JOURNAL OF FRESHWATER ECOLOGY, no.24, pp.177-0, 2009 (SCI-Expanded)
- LV. **Bioaccumulation of Nickel, Copper, and Cadmium by *Spirodela polyrhiza* and *Lemna gibba***
DUMAN F., LEBLEBİCİ Z., Aksoy A.
JOURNAL OF FRESHWATER ECOLOGY, vol.24, no.1, pp.177-179, 2009 (SCI-Expanded)
- LVI. **Seasonal variation of metal accumulation and translocation in yellow pond-lily (*Nuphar lutea*)**
DUMAN F., Obali O.
CHEMICAL SPECIATION AND BIOAVAILABILITY, vol.20, no.3, pp.181-190, 2008 (SCI-Expanded)
- LVII. **Seasonal variability of heavy metals in surface sediment of lake sapanca, turkey**
Duman F., Aksoy A., Demirezen D.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.133, pp.277-283, 2007 (SCI-Expanded)
- LVIII. **Seasonal changes of metal accumulation and distribution in common club rush (*Schoenoplectus lacustris*) and common reed (*Phragmites australis*)**
Duman F., ÇİÇEK M., SEZEN G.
ECOTOXICOLOGY, vol.16, no.6, pp.457-463, 2007 (SCI-Expanded)
- LIX. **Seasonal Variability of Heavy Metals in Surface Sediment of Sapanca Lake**
DUMAN F., AKSOY A., DEMİREZEN YILMAZ D.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.133, pp.277-283, 2007 (SCI-Expanded)
- LX. **Seasonal changes of metal accumulation and distribution in shining pondweed (*Potamogeton lucens*)**
Duman F., Obali O., Demirezen D.
CHEMOSPHERE, vol.65, no.11, pp.2145-2151, 2006 (SCI-Expanded)
- LXI. **Heavy metal accumulation and distribution in narrow-leaved cattail (*Typha angustifolia*) and common reed (*Phragmites australis*)**
Aksoy A., Duman F., SEZEN G.
JOURNAL OF FRESHWATER ECOLOGY, vol.20, no.4, pp.783-785, 2005 (SCI-Expanded)
- LXII. **Bioaccumulation, detection and analyses of heavy metal pollution in Sultan Marsh and its environment**
Aksoy A., Demirezen D., Duman F.
WATER AIR AND SOIL POLLUTION, vol.164, pp.241-255, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Encapsulation of Flurbiprofen by Chitosan Using a Spray-Drying Method with In Vitro Drug Releasing and Molecular Docking**
Akyuz L., Duman F., Kaya M.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.14, no.1, pp.34-39, 2017 (ESCI)
- II. **Kayseri İli, Pınarbaşı İlçesinde Doğal Olarak Yakalanan ve Yetiştiriciliği Yapılan Gökkuşluğu**

Alabalıklarının (*Oncorhynchus mykiss*) Genotoksisite Yönünden İncelenmesi

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Uluslararası Ekoloji 2018, Chairman of the Scientific Committee, 2018 - 2018, Turkey
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Erasmus Programme, Staff Mobility, Poznan Ziraat Tarim Akademisi, Poland, 2019 - 2019

Metrics

Publication: 131
Citation (WoS): 1306
Citation (Scopus): 1678
H-Index (WoS): 23
H-Index (Scopus): 24

Congress and Symposium Activities

6th International Food, Agriculture and Veterinary Science Congress, Attendee, Ganca, Azerbaijan, 2023
AlgaEurope 2022, Attendee, Rome, Italy, 2022
3rd International Conference SmartBio, Working Group, Kaunas, Lithuania, 2019
Uluslararası 2018 Ekoloji Sempozyumu, Attendee, Kastamonu, Turkey, 2018
2018 2nd International Conference on Energy and Environmental Science (ICEES 2018), Attendee, Kuala-Lumpur, Malaysia, 2018
INTERNATIONAL CONFERENCE „Smart Bio“, Attendee, Kaunas, Lithuania, 2017
36th International Conference on Engineering & Technology, Computer, Basic & Applied Sciences, Attendee, İstanbul, Turkey, 2016
Uluslararası 2016 Ekoloji Sempozyumu, Attendee, Kars, Turkey, 2016

International Congress on Applied Biological Science, Attendee, Sarajevo, Bosnia And Herzegovina, 2016
Aquatic Plants 2015 - 14th International Symposium on Aquatic Plants, Attendee, Edinburgh, United Kingdom, 2015
27th European Conference on Biomaterials, Attendee, Krakow, Poland, 2015
Marine Biotechnology, Attendee, Umman, Oman, 2013
Ulusal Su Günleri, Attendee, Elazığ, Turkey, 2013
FABA 2013, Attendee, Erzurum, Turkey, 2013
Ecotoxicology, Attendee, Plymouth, UK, United Kingdom, 2012
22nd Annual Conference of The International Environmetrics Society, Attendee, Hyderabad, India, India, 2012
Contamination Cleanup to Phytoproducts (TEE 2010) Refresher course, Attendee, İstanbul, Turkey, 2010

Scholarships

2219 Doktora Sonrası Araştırma, TÜBİTAK, 2019 - 2020

Awards

Duman F., Benim İşim Girişim 5. Dönem Final Ödülü, Benim İşim Girişim, May 2023
Duman F., Medikal Kategori/İkincilik, Kimya Ar-Ge Proje Pazarı, November 2022
Duman F., Best Presentation Award, International Conference Smart Bio, May 2019
DUMAN F., Poster Sunu Birincilik Ödülü, Uluslararası Ekoloji 2016 Sempozyumu, May 2016