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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama ve İşleme Teknolojisi, Turkey 2014 - 2017
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama ve İşleme Teknolojisi, Turkey 2012 - 2014
Undergraduate, Balikesir University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1997 - 2002

Dissertations

Doctorate, Mersin Körfezi'nde (Kuzey Doğu Akdeniz) Avlanan Balon Balıklarının (Lagocephalus sceleratus, Lagocephalus spadiceus, Lagocephalus suezensis) Besin Bileşenleri, Ağır Metal ve Tetrodotoksin (TTX) Düzeylerinin Belirlenmesi, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama ve İşleme Teknolojisi, 2017
Postgraduate, Mersin Körfezi'nden Yakalanan Balon Balığı?nın (Lagocephalus sceleratus) Mevsime ve Eşeye Bağlı Olarak Besin Kompozisyonu ve Tetrodotoksin(TTX) Düzeylerindeki Değişimler, Cukurova University, Fen Bilimleri Enstitüsü, Su Ürünleri Avlama ve İşleme Teknolojisi, 2014

Research Areas

Agricultural Sciences, Seafood, Seafood Processing Technologies

Academic Titles / Tasks

Associate Professor, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Avlama ve İşleme Teknolojisi, 2020 - Continues
Medical Doctor, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Avlama ve İşleme Teknolojisi, 2010 - 2020

Courses

GENEL MİKROBİYOLOJİ, Associate Degree, 2018 - 2019

GIDA MİKROBİYOLOJİSİ, Associate Degree, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Monthly variation of Tetrodotoxin levels in pufferfish (Lagocephalus sceleratus) caught from Antalya Bay, Mediterranean Sea**
Köşker A. R., Karakus M., Katıkou P., Dal İ., Durmuş M., Uçar Y., Ayas D., Özoğul F.
MARINE DRUGS, vol.21, no.10, pp.1-15, 2023 (SCI-Expanded)

II. **Metal levels of canned fish sold in Türkiye: health risk assessment**
Köşker A. R., Gündoğdu S., Esatbeyoglu T., Ayas D., Özoğul F.
FRONTIERS IN NUTRITION, vol.10, pp.1-12, 2023 (SCI-Expanded)

III. **The impact of marine and terrestrial based extracts on the freshness quality of modified atmosphere packed sea bass fillets**
Ozogul F., Durmus M., Köşker A. R., Ozkutuk A. S., Kuley E., Yazgan H., Yazgan R., Simat V., Ozogul Y.
FOOD BIOSCIENCE, vol.53, 2023 (SCI-Expanded)

IV. **Formulation with sage tea-loaded fish oil-based microcapsules to delay oxidation**
Durmus M., Ucar Y., Köşker A. R., Ozogul Y., Ozyurt G., Ceylan Z.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.1, no.1, pp.1-15, 2023 (SCI-Expanded)

V. **Microplastic contamination in canned fish sold in Türkiye**
Gündoğdu S., Köşker A. R.
PEERJ, vol.11, no.e14627, pp.1-20, 2023 (SCI-Expanded)

VI. **Effect of Citrus Essential Oils on the Oxidative Stability of Microencapsulated Fish Oil by Spray-Drying**
Durmus M., Özogul Y., Ozyurt G., Ucar Y., Kosker A. R., Yazgan H., Ibrahim S. A., Özogul F.
FRONTIERS IN NUTRITION, vol.9, no.97813, pp.1-11, 2023 (SCI-Expanded)

VII. **Metal levels of processed ready-to-eat stuffed mussels sold in Turkey: Health risk estimation**
KÖŞKER A. R., GÜNDOĞDU S., Ayas D., Bakan M.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.106, 2022 (SCI-Expanded)

VIII. **An Updated Review of Tetrodotoxin and Its Peculiarities**
Katikou P., GÖKBULUT C., KÖŞKER A. R., Campas M., ÖZOĞUL F.
MARINE DRUGS, vol.20, no.1, 2022 (SCI-Expanded)

IX. **The impact of different levels of nisin as a biopreservative agent on the chemical, sensory and microbiological quality of vacuum-packed sea bass (Dicentrarchus labrax) fillets stored at 4 +/- 2 degrees C**
UÇAR Y., ÖZOĞUL Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., Boga E. K.
GRASAS Y ACEITES, vol.72, no.2, 2021 (SCI-Expanded)

X. **Proximate composition and fatty acid profiles of common pufferfish species in the Mediterranean Sea**
Köşker A. R., Regenstein J. M., Özoğul F.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.56, no.2, pp.874-884, 2021 (SCI-Expanded)

XI. **Influence of olive oil-based nanoemulsion on the fatty acid profiles of rainbow trout fillets**
DURMUŞ M., Bensid A., ÖZOĞUL Y., KÖŞKER A. R., UÇAR Y., Boga E., DURMUŞ M., ÖZOĞUL F.
AQUACULTURE INTERNATIONAL, vol.28, no.5, pp.1997-2014, 2020 (SCI-Expanded)

XII. **Antimicrobial activity of thyme essential oil nanoemulsions on spoilage bacteria of fish and food-borne pathogens**
ÖZOĞUL Y., KÜLEY BOĞA E., Akyol I., DURMUŞ M., Ucar Y., Regenstein J. M., KÖŞKER A. R.
Food Bioscience, vol.36, 2020 (SCI-Expanded)

XIII. **Metal and fatty acid levels of some commercially important marine species from the northeastern Mediterranean: benefits and health risk estimation**
KÖŞKER A. R.

ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.6, 2020 (SCI-Expanded)

XIV. **Effect of nisin on the shelf life of sea bass (Dicentrarchus labrax L.) fillets stored at chilled temperature (4 +/- 2 degrees C)**
UÇAR Y., ÖZOĞUL Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R.
AQUACULTURE INTERNATIONAL, vol.28, no.2, pp.851-863, 2020 (SCI-Expanded)

XV. **The impacts of water and ethanolic extracts of propolis on vacuum packaged sardine fillets inoculated with Morganella psychrotolerans during chilly storage**
YAZGAN H., BURGUT A., DURMUŞ M., KÖŞKER A. R.
JOURNAL OF FOOD SAFETY, vol.40, no.2, 2020 (SCI-Expanded)

XVI. **The function of nanoemulsion on preservation of rainbow trout fillet**
DURMUŞ M., ÖZOĞUL Y., KÖŞKER A. R., UÇAR Y., BOGA E., Ceylan Z., ÖZOĞUL F.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.57, no.3, pp.895-904, 2020 (SCI-Expanded)

XVII. **The effects of nanoemulsions based on citrus essential oils on the formation of biogenic amines in trout fillets stored at 4 +/- 2 degrees C**
KÖŞKER A. R.
JOURNAL OF FOOD SAFETY, vol.40, no.1, 2020 (SCI-Expanded)

XVIII. **The effects of edible oil nanoemulsions on the chemical, sensory, and microbiological changes of vacuum packed and refrigerated sea bass fillets during storage period at 2 +/- 2 degrees C**
DURMUŞ M., ÖZOĞUL Y., Boga E., UÇAR Y., KÖŞKER A. R., Balikci E., Gokdogan S.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.43, no.12, 2019 (SCI-Expanded)

XIX. **Elemental composition of pufferfish species from Northeastern Mediterranean Sea**
Köşker A. R., Özoğul F., Ayas D., Durmuş M., Uçar Y.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.6, 2019 (SCI-Expanded)

XX. **Tetrodotoxin levels of three pufferfish species (Lagocephalus sp.) caught in the North-Eastern Mediterranean sea**
KÖŞKER A. R., ÖZOĞUL F., Ayas D., DURMUŞ M., UÇAR Y., Regenstein J. M., ÖZOĞUL Y.
CHEMOSPHERE, vol.219, pp.95-99, 2019 (SCI-Expanded)

XXI. **Comparision of Green and Conventional Extraction Methods on Lipid Yield and Fatty Acid Profiles of Fish Species**
ÖZOĞUL Y., UÇAR Y., Takadaş F., DURMUŞ M., Koesker A. R., POLAT A.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.120, no.12, 2018 (SCI-Expanded)

XXII. **Seasonal Changes in Proximate Composition and Mineral-Heavy Metal Content of Pufferfish (Lagocephalus sceleratus) from Northeastern Mediterranean Sea**
Köşker A. R., Özoğul F., Durmuş M., Uçar Y., Özoğul Y., Boğa E., Ayas D.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.18, no.11, pp.1269-1278, 2018 (SCI-Expanded)

XXIII. **Combined effects of plant and cell-free extracts of lactic acid bacteria on biogenic amines and bacterial load of fermented sardine stored at 3 +/- 1 degrees C**
KÜLEY E., DURMUŞ M., UÇAR Y., KÖŞKER A. R., Tumerkan E. T. A., Regenstein J. M., ÖZOĞUL F.
FOOD BIOSCIENCE, vol.24, pp.127-136, 2018 (SCI-Expanded)

XXIV. **The Effects of Sex and Seasonality on the Metal Levels of Warty Crab (Eriphia verrucosa) in the Black Sea**
DURMUŞ M., Ayas D., Aydin M., KÖŞKER A. R., UÇAR Y., ÖZOĞUL Y.
Journal of Aquatic Food Product Technology, vol.27, no.6, pp.749-758, 2018 (SCI-Expanded)

XXV. **First report on TTX levels of the yellow spotted pufferfish (Torquigener flavimaculosus) in the Mediterranean Sea**
KÖŞKER A. R., ÖZOĞUL F., DURMUŞ M., UÇAR Y., Ayas D., Simat V., ÖZOĞUL Y.
TOXICON, vol.148, pp.101-106, 2018 (SCI-Expanded)

XXVI. **The effects of sex and season on the metal levels and proximate composition of red mullet (Mullus barbatus Linnaeus 1758) caught from the Middle Black Sea**
DURMUŞ M., KÖŞKER A. R., ÖZOĞUL Y., Aydin M., UÇAR Y., Ayas D., ÖZOĞUL F.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.24, no.3, pp.731-742, 2018 (SCI-Expanded)

XXVII. **The combined impact of nanoemulsion based on commercial oils and vacuum packing on the fatty acid profiles of sea bass fillets**
ÖZOĞUL Y., DURMUŞ M., UÇAR Y., KÖŞKER A. R., ÖZOĞUL F.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.41, no.6, 2017 (SCI-Expanded)

XXVIII. **The impact of gravading process on the quality of carp fillets (Cyprinus carpio): sensory, microbiological, protein profiles and textural changes**
DURMUŞ M., Surowka K., ÖZOĞUL F., MACIEJASZEK I., TESAROWICZ I., ÖZOĞUL Y., KÖŞKER A. R., UÇAR Y.
JOURNAL OF CONSUMER PROTECTION AND FOOD SAFETY, vol.12, no.2, pp.147-155, 2017 (SCI-Expanded)

XXIX. **Evaluation of effects of nanoemulsion based on herb essential oils (rosemary, laurel, thyme and sage) on sensory, chemical and microbiological quality of rainbow trout (Oncorhynchus mykiss) fillets during ice storage**
ÖZOĞUL Y., YUVKA I., UÇAR Y., DURMUŞ M., KÖŞKER A. R., Oz M., ÖZOĞUL F.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.75, pp.677-684, 2017 (SCI-Expanded)

XXX. **Tetrodotoxin levels in pufferfish (Lagocephalus sceleratus) caught in the Northeastern Mediterranean Sea**
Köşker A. R., Özoğul F., Durmuş M., Uçar Y., Ayas D., Regenstein J. M., Özoğul Y.
FOOD CHEMISTRY, vol.210, pp.332-337, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. **Public health risk assessments associated with heavy metal levels in panga fish fillets imported from Vietnam**
KİLERCİOĞLU S., KÖŞKER A. R., EVLİYAOĞLU E.
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.4, pp.568-578, 2022 (Peer-Reviewed Journal)

II. **Effects of different plant (Marjoram and Olive leaf) extracts on quality characteristics of red and ordinary muscles of vacuum–packaged tuna–like fillets**
Lahreche T., Durmuş M., Köşker A. R., Uçar Y., Küley E., Hamdi T., Özoğul F.
Applied Food Research, vol.2, no.1, pp.100034, 2022 (Peer-Reviewed Journal)

III. **Mersin Körfezi'nde Avlanan Ahtapotun (Octopus vulgaris) Yağ Asidi Düzeylerindeki Mevsimsel Değişimler**
Köşker A. R.
Avrupa Bilim ve Teknoloji Dergisi, no.18, pp.232-238, 2020 (Peer-Reviewed Journal)

IV. **Farklı konsantrasyonlarda kullanılan nisinin vakum paketlenerek soğukta (4±2oC) depolanan levrek (Dicentrarchus labrax) filetolarının yağ asit profili üzerine etkileri**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., ÖZOĞUL Y.
Su Ürünleri Dergisi (EgeJFAS), vol.1, no.5, pp.1-15, 2019 (Peer-Reviewed Journal)

V. **Purification of Eicosapentaenoic Acid (EPA) and Docosahexaenoic Acid (DHA) From Fish Oil Using HPLC Method and Investigation of Their Antibacterial Effects on Some Pathogenic Bacteria**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., ÖZOĞUL Y., KÖŞKER A. R., KÜLEY BOĞA E., AYAS D.
Turkish Journal of Maritime and Marine Sciences, vol.1, no.1, pp.1-15, 2019 (Peer-Reviewed Journal)

VI. **Combined impacts of oregano extract and vacuum packaging on the quality changes of frigate tuna muscles stored at 3 +/- 1 degrees C**
LAHRECHE T., UÇAR Y., KÖŞKER A. R., HAMDI T., ÖZOĞUL F.
VETERINARY WORLD, vol.12, no.1, pp.155-164, 2019 (ESCI)

VII. **The effects of age and individual size on metal levels of Serranus cabrilla (Linnaeus, 1758) from the Yeşilovacık Bay (Northeasthern Mediterranean, Turkey)**
AYAS D., KÖŞKER A. R., Sen Agılkaya G., BAKAN M., Yaglioglu D.
Natural and Engineering Sciences, vol.3, no.3, pp.248-254, 2018 (Peer-Reviewed Journal)

VIII. **The effects of age and individual size on metal accumulation of Lagocephalus sceleratus (Gmelin,**

1789) from Mersin Bay, Turkey
AYAS D., KÖŞKER A. R.
Natural and Engineering Sciences, vol.3, no.1, pp.45-53, 2018 (Peer-Reviewed Journal)

IX. **Seasonal Changes in the Chemical Composition of the Beadlet Anemones (Actinia equina) from Mersin Bay, Northeastern Mediterranean coast of Turkey**
YATKIN K., AYAS D., KÖŞKER A. R., DURMUŞ M., UÇAR Y.
Natural and Engineering Sciences (NESciences), no.2, pp.11-20, 2017 (Peer-Reviewed Journal)

X. **The Chemical Composition of the Lionfish (Pterois miles, Bennett 1828), the New Invasive Species of the Mediterranean Sea**
AYAS D., Sen Agılkaya G., KÖŞKER A. R., DURMUŞ M., UÇAR Y., BAKAN M.
Natural and Engineering Sciences, vol.3, no.2, pp.103-115, 2017 (Peer-Reviewed Journal)

XI. **DETERMINATION OF SEASONAL CHANGES ON SOME HEAVY METAL (Cd, Pb, Cr) LEVELS OF SHRIMP AND PRAWN SPECIES FROM NORTH-EASTERN MEDITERRANEAN SEA, GULF OF MERSIN, TURKEY**
Ayas D., KÖŞKER A. R., DURMUŞ M., Bakan M.
JOURNAL OF AQUACULTURE ENGİNEERİNG AND FİSHERİES RESEARCH, vol.2, no.2, pp.42-49, 2015 (Peer-Reviewed Journal)

XII. **Akdeniz'in Yeni Toksini: Tetrodotoksin**
KÖŞKER A. R., ÖZOĞUL F., AYAS D., DURMUŞ M., UÇAR Y.
Ege Journal of Fisheries and Aquatic Sciences (EgeJFAS), vol.32, pp.1, 2015 (Peer-Reviewed Journal)

XIII. **The Investigation of metal and mineral levels of some marine species from the Northeastern Mediterranean Sea**
Kulcu A. M., Ayas D., KÖŞKER A. R., Yatkın K.
Journal of Marine Biology & Oceanography, vol.2, pp.1-4, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Nanotechnology Applications**
ÖZOĞUL Y., MCCLEMENTS D. J., KÖŞKER A. R., DURMUŞ M., UÇAR Y.
in: Innovative Technologies in Seafood Processing, Ozogul Y., Editor, Crc Press Contemporary Food Engineering Press, Boston, pp.1-424, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **TETRODOTOXIN LEVELS OF PUFFERFISH SPECIES IN THE MEDITERRANEAN**
Köşker A. R.
Denizel İstilacı Yabancı Türlerin Etkileri Bilimsel Konferansı, Antalya, Turkey, 21 - 23 December 2022, pp.128-129

II. **Metal levels of commercially important Saurida lessepsianus from North-Eastern Mediterranean: Health risk estimation**
KÖŞKER A. R., UÇAR Y., DURMUŞ M., KORKMAZ K., YILMAZ H. A.
VI. International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 07 October 2022

III. **The influence of sweet potato peel extract on biogenic amine accumulation in amino acid decarboxylase broth by food-borne pathogens**
UÇAR Y., DURMUŞ M., KÖŞKER A. R., KORKMAZ K., YAZGAN H.
VI. International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 07 October 2022

IV. **Metal levels of some commercially important crustacean species from North-Eastern Mediterranean: Health risk estimation**
KÖŞKER A. R., EVLİYAOĞLU E., YILMAZ H. A.

5th International Agriculture, Environment and Health Congress, Aydın, Turkey, 17 February 2022

V. **FATTY ACID PROFILES OF NARROW-BARRED SPANISH MACKEREL (Scomberomorus commerson) FILLETS CAUGHT FROM THE NORTH-EASTERN MEDITERRANEAN IN AUTUMN**
YILMAZ H. A., EVLİYAOĞLU E., KÖŞKER A. R.
5th International Agriculture, Environment and Health Congress, Aydın, Turkey, 17 February 2022

VI. **MERSIN KO?RFEZI?NDEN AVLANAN U?C? FARKLI BALON BALIG?I TU?RU?NU?N (Lagocephalus sp.) TETRODOTOKSIN (TTX) DU?ZEYLERININ BELIRLENMESI**
KÖŞKER A. R., ÖZOĞUL F., AYAS D., DURMUŞ M., UÇAR Y., ÖZOĞUL Y.
20. ULUSAL SU U?RU?NLERI? SEMPOZYUMU, Mersin, Turkey, 24 September - 26 October 2019, pp.54

VII. **DETERMINATION OF BACTERIAL FLORA IN DIFFERENT TISSUES OF PUFFERFISH (LAGOCEPHALUS SCELERATUS, GMELIN 1789)**
KÖŞKER A. R., KÜLEY BOĞA E., UÇAR Y., DURMUŞ M., ÖZOĞUL Y., AYAS D., ÖZOĞUL F.
2. Uluslararası GAP MATEMATİK-MÜHENDİSLİK-FEN VE SAĞLIK BİLİMLERİ Kongresi, Adıyaman, Turkey, 21 - 23 June 2019, pp.1

VIII. **Determination of bacterial flora in different tissues of pufferfish (Lagocephalus sceleratus, Gmelın 1789)**
KÖŞKER A. R., KÜLEY BOĞA E., UÇAR Y., DURMUŞ M., ÖZOĞUL Y., AYAS D.
2. Uluslararası GAP Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, Adıyaman, Turkey, 21 - 23 June 2019, pp.1-2

IX. **Microbiological Effects of Propolıs Extracts on Vacuum Packaging Sardine Fillets Inoculated with Morganella Psychrotolerans**
BURGUT A., YAZGAN H., DURMUŞ M., KÖŞKER A. R., KÜLEY BOĞA E.
International Symposium on Fisheries and Aquatic Sciences, Ankara, Turkey, 21 - 23 November 2018, pp.143

X. **The Combined Impact of Nisin and Vacuum Packing on the Fatty Acid Profiles of Sea Bass (Dicentrarchus labrax) Fillets During Storage**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., ÖZOĞUL Y.
International Symposium on Fisheries and Aquatic Sciences (FABA 2018), Ankara, Turkey, 21 - 23 November 2018, pp.1-2

XI. **The Effects of Nisin on the Sensory, Biochemical and Microbiological Changes of Vacuum Packed and Refrigerated Sea Bass (Dicentrarchus labrax) Fillets**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., ÖZOĞUL Y.
International Symposium on Fisheries and Aquatic Sciences (FABA 2018), Ankara, Turkey, 21 - 23 November 2018, pp.1-2

XII. **The Impact of Nisin on Ammonia, Trimethylamine and Biogenic Amines Formation and Their Indices of Vacuum-Packed Sea Bass Fillets (Dicentrarchus labrax) in Cold Storage**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., KÜLEY BOĞA E., ÖZOĞUL Y.
International Symposium on Fisheries and Aquatic Sciences (FABA 2018), Ankara, Turkey, 21 - 23 November 2018, pp.1-2

XIII. **Tetrodotoxin (TTX) Producing Bacteria in the Marine Ecosystem**
KÖŞKER A. R., ÖZOĞUL Y., UÇAR Y., DURMUŞ M., ÖZOĞUL F.
2nd INTERNATIONAL CONFERENCE ON FISHERIES AND AQUATIC RESEARCH, Nevşehir, Turkey, 12 - 15 July 2018, pp.66

XIV. **The Applications of Organic Acids on Seafood Biopreservation**
UÇAR Y., ÖZOĞUL F., DURMUŞ M., KÖŞKER A. R., KÜLEY BOĞA E., ÖZOĞUL Y.
2nd INTERNATIONAL CONFERENCE ON FISHERIES AND AQUATIC RESEARCH, Nevşehir, Turkey, 12 - 15 July 2018, pp.108

XV. **Significance of Nanoemulsion for Seafood Safety**
DURMUŞ M., ÖZOĞUL Y., UÇAR Y., KÖŞKER A. R., KÜLEY BOĞA E., ÖZOĞUL F.
2nd INTERNATIONAL CONFERENCE ON FISHERIES AND AQUATIC RESEARCH, Nevşehir, Turkey, 12 - 15 July 2018, pp.90

XVI. **The Function of Sugar Beet Peel Extract on the In Vitro Biogenic Amine Production by Food Borne**

Pathogens
ÖZOĞUL F., UÇAR Y., DURMUŞ M., KÖŞKER A. R., KÜLEY BOĞA E., ÖZOĞUL İ., ÖZOĞUL Y.
2nd INTERNATIONAL CONGRESS ON FISHERIES and AQUATIC RESEARCH, Nevşehir, Turkey, 12 - 15 July 2018, pp.31

XVII. **The inhibitory impact of Enterococcus gallinarum and Lactobacillus plantarum on bacterial growth and biogenic amine accumulation in fermented striped piggy.**
YAZGAN H., KÜLEY BOĞA E., DURMUŞ M., UÇAR Y., KÖŞKER A. R., ÖZOĞUL F., ÖZYURT G.
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.157

XVIII. **Antimicrobial activity of nanoemulsion based on different plant oil against fish spoilage bacteri**
ÖZOĞUL Y., KÖŞKER A. R., YAZGAN H., DURMUŞ M., UÇAR Y., KÜLEY BOĞA E.
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 April 2018 - 27 April 0208, pp.17

XIX. **Antimicrobial activity of nanoemulsion based on different plant oil against fish spoilage bacteria**
KÜLEY BOĞA E., ÖZOĞUL Y., YAZGAN H., DURMUŞ M., UÇAR Y., KÖŞKER A. R.
7th International Molecular Biology and Biotechnology, Konya, Turkey, 25 - 27 April 2018, pp.17

XX. **Nisin as a natural antimicrobial and food additive in seafood industry**
ÖZOĞUL F., UÇAR Y., DURMUŞ M., KÖŞKER A. R., ÖZOĞUL İ., YAZGAN H.
The 4th International Symposium on Traditional Foods from Adriatic to Caucasus, Kyrenia, Cyprus (Kktc), 19 - 21 April 2018, pp.352

XXI. **NOVEL METHODS FOR SEAFOOD PROCESSING**
ÖZOĞUL Y., KÖŞKER A. R., ÖZOĞUL İ., UÇAR Y., ÖZOĞUL F., POLAT A.
The 4 th International Symposium on ?Traditional Foods from Adriatic to Caucasus?, Kyrenia, Cyprus (Kktc), 19 - 21 April 2018, pp.113

XXII. **Tetrodotoxin (TTX) levels of Torquigener flavimaculosus (Hardy & Randall, 1983) caught in the Northeastern Mediterranean Sea**
KÖŞKER A. R., ÖZOĞUL F., DURMUŞ M., UÇAR Y., ÖZOĞUL Y., AYAS D.
International Symposium on Pufferfish, Muğla, Turkey, 13 - 14 October 2017, pp.14

XXIII. **Metal Levels in Three Puffer Fish Species Caught from Mersin Bay**
KÖŞKER A. R., ÖZOĞUL F., AYAS D., DURMUŞ M., UÇAR Y., ÖZOĞUL Y.
International Symposium on Pufferfish, Muğla, Turkey, 13 - 14 October 2017, pp.16

XXIV. **Proximate Composition and Fatty Acid Profile of Puffer Fish (Lagocephalus sceleratus) Caught From Mersin Bay**
KÖŞKER A. R., ÖZOĞUL F., DURMUŞ M., UÇAR Y., ÖZOĞUL Y., AYAS D.
International Symposium on Pufferfish, Muğla, Turkey, 13 - 14 October 2017, pp.30

XXV. **Gender and Season Variables on the Proximate Composition and Metal Levels of Warty Crab**
AYDIN M., DURMUŞ M., AYAS D., ÖZOĞUL Y., UÇAR Y., KÖŞKER A. R., YILMAZ E.
II. Uluslararası Iğdır Sempozyumu?na (IGDIRSEMP 2017), Iğdır, Turkey, 9 - 11 October 2017, pp.1

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ÖZOĞUL Y., Takadaş F., DURMUŞ M., UÇAR Y., ÖZYURT G., KÖŞKER A. R., Ozogul F.
ICFPSFS 2017: 19th International Conference on Food Product Safety in Food Science, Barselona, Spain, 27 July - 28 August 2017, vol.19, no.7, pp.2431

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International Symposium on Fisheries and Aquatic Sciences (FABA), Antalya, Turkey, 3 - 05 November 2016, pp.499-500

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2nd Congress on Food Structure & Design, Antalya, Turkey, 26 - 28 October 2016, pp.68

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INTERNATIONAL CONGRESS ON ADVANCES IN VETERINARY SCIENCES AND TECHNICS (ICAVST), Saraybosna, Bosnia And Herzegovina, 25 - 29 August 2016, pp.146

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INTERNATIONAL CONGRESS ON ADVANCES IN VETERINARY SCIENCES AND TECHNICS (ICAVST), Saraybosna, Bosnia And Herzegovina, 25 - 29 August 2016, pp.160

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INTERNATIONAL CONGRESS ON ADVANCES IN VETERINARY SCIENCES AND TECHNICS (ICAVST), Saraybosna,

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ULUSAL TARIM KONGRESİ, Afyon, Turkey, 29 - 31 October 2015, pp.1

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TAFT 2015- 5th Trans-Atlantic Fisheries Technology conference (45th WEFTA meeting), Nantes, France, 12 - 15 October 2015, pp.1

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TAFT 2015- 5th Trans-Atlantic Fisheries Technology conference (45th WEFTA meeting), Nantes, France, 12 - 15 October 2015, pp.1

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18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, pp.1

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18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, pp.1

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18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, pp.1

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DURMUŞ M., ÖZOĞUL Y., Balıkcı E., Gökdoğan S., ÖZOĞUL F., Köşker A. R., Yuvka İ.
ICFAE 2015 : 17th International Conference on Food and Agricultural Engineering, İstanbul, Turkey, 21 - 22 April 2015, pp.1517

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UÇAR Y., ÖZOĞUL F., DURMUŞ M., ÖZOĞUL Y., Köşker A. R., KÜLEY BOĞA E., Ayas D.
ICFEB 2015 : 17th International Conference on Food Engineering and Biotechnology, Prag, Czech Republic, 23 - 24 March 2015, pp.1206

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FABA 2014: INTERNATIONAL SYMPOSIUM ON FISHERIES AND AQUATIC SCIENCES, Trabzon, Turkey, 25 - 27

September 2014, pp.468

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FABA 2014: INTERNATIONAL SYMPOSIUM ON FISHERIES AND AQUATIC SCIENCES, Trabzon, Turkey, 25 - 27 September 2014, pp.500

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ÖZOĞUL Y., BOĞA E., DURMUŞ M., UÇAR Y., Köşker A. R., Aydın M., Karadurmuş U.
INTERNATIONAL SYMPOSIUM ON FISHERIES AND AQUATIC SCIENCES, Trabzon, Turkey, 25 - 27 September 2014, pp.500

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FABA 2014: International Symposium on Fisheries and Aquatic Sciences, Trabzon, Turkey, 25 - 27 September 2014, pp.1

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40th CIESM Congress, Marseille, France, 28 October - 01 November 2013, pp.1

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DURMUŞ M., KÖŞKER A. R., Ayas D., BOĞA E., Yuvka İ., Aydın M., Karadurmuş U., ÖZOĞUL Y., UÇAR Y., Öz M.
40th CIESM Congress, Marsilya, France, 28 October - 01 November 2013, pp.1

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ÖZOĞUL Y., Yazgan H., GÖKDOĞAN S., BALIKÇI E., DURMUŞ M., Yuvka İ., Oz M., Köşker A. R.
17. Ulusal Su Ürünleri Sempızyumu, İstanbul, Turkey, 3 - 06 September 2013, pp.368

Supported Projects

Özoğul F., Hamidy S. M., Özyurt G., Takadaş F., Sakarya Y., Küley E., Özçelik S., Özkütük S. T., Uçar Y., Özkütük A. S., et al., Project Supported by Higher Education Institutions, Görüntü İşleme ve Yapay Zeka Kullanılarak Balıklarda Kalitenin Modellenmesi ve Tahmin Edilmesi, 2024 - 2027

KÜLEY E., ÖZOĞUL F., YAZGAN H., ÖZOĞUL Y., DURMUŞ M., UÇAR Y., KÖŞKER A. R., ÖZYURT G., Project Supported by Higher Education Institutions, Mikroenkapsüle Lactobacillus reuteri ve biyoaktif maddelerinin in vitro/in vivo antimikrobiyal etkilerinin incelenmesi, 2019 - 2021

DURMUŞ M., ÖZOĞUL Y., KÜLEY BOĞA E., KÖŞKER A. R., UÇAR Y., ÖZYURT G., ÖZOĞUL F., CEYLAN Z., Project Supported by Higher Education Institutions, Farklı Oranlarda Adaçayı Esansiyel Yağı ile Hazırlanan Mikroenkapsüle Balık Yağının Depolama Süresince Oksidasyon ve Yağ Asitlerindeki Değişimlerin Belirlenmesi, 2019 - 2021

ÖZOĞUL Y., KÜLEY BOĞA E., DURMUŞ M., UÇAR Y., ÖZOĞUL F., YAZGAN H., KÖŞKER A. R., Project Supported by Higher Education Institutions, Nanoemülsifiye edilmiş greyfurt esansiyel yağının bakteriler üzerine etkilerinin disk difüzyon, MIC ve MBC metotları kullanılarak araştırılması, 2019 - 2021

KÖŞKER A. R., ÖZOĞUL İ., AYAS D., UÇAR Y., DURMUŞ M., ÖZOĞUL F., ÖZOĞUL Y., KÜLEY BOĞA E., Project Supported by Higher Education Institutions, Balon Balıklarından İzole Edilen Bakterilerin Balık İnfüzyon Sıvıları İçerisindeki Tetrodotoksin TTX Üretimlerinin İncelenmesi, 2018 - 2020

Scientific Refereeing

Mediterranean Fisheries and Aquaculture Research, Other Indexed Journal, September 2020
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, SCI Journal, September 2020
MEDITERRANEAN MARINE SCIENCE, SCI Journal, September 2020
THALASSAS, SCI Journal, September 2020
Acta Adriatica - International Journal of Marine Sciences, Other Indexed Journal, August 2020
Marine Science and Technology Bulletin, Other Indexed Journal, August 2020
Acta Natura et Scientia, Other Indexed Journal, August 2020
JOURNAL OF FOOD SAFETY, SCI Journal, June 2020
CHEMOSPHERE, SCI Journal, May 2020
JOURNAL OF FOOD PROCESSING AND PRESERVATION, SCI Journal, May 2020
TURKISH JOURNAL OF ZOOLOGY, SCI Journal, February 2020
Marine Science and Technology Bulletin, Other Indexed Journal, October 2019
Food Chemistry, SCI Journal, May 2019
Food Reviews International, SCI Journal, February 2019
Food Bioscience, SCI Journal, November 2018
Mediterranean Fisheries and Aquaculture Research, Other Indexed Journal, November 2018
Data in Brief, Other Indexed Journal, October 2018
Marine Science and Technology Bulletin, Other Indexed Journal, October 2018
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, September 2018
Environmental Monitoring and Assessment, SCI Journal, September 2018
Food Research International, SCI Journal, August 2018
Food Science and Technology, Other Indexed Journal, July 2018
Marine Science and Technology Bulletin, Other Indexed Journal, July 2018
Marine Science and Technology Bulletin, Other Indexed Journal, June 2018
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, June 2018
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, February 2018
Food Research International , SCI Journal, November 2017
Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, August 2017
Journal of Advances in VetBio Science and Techniques, National Scientific Refreed Journal, April 2017

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Congress and Symposium Activities

International Congress on Fısherıes and Aquatıc Research (ICFAR, 2018), Attendee, Nevşehir, Turkey, 2018
International Symposium on Pufferfish, Attendee, Muğla, Turkey, 2017
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2017), Attendee, Nevşehir, Turkey, 2017
Faba 2016: International Symposium on Fisheries and Aquatic Sciences, Attendee, Antalya, Turkey, 2016
West European Fish Technologists Association (WEFTA), Attendee, Split, Croatia, 2016
International Congress on Advances in Veterinary Sciences and Technics, Attendee, Sarajevo, Bosnia And Herzegovina,

2016

XVIII. Ulusal Su Ürünleri Sempozyumu, Attendee, İzmir, Turkey, 2015

Faba 2014: International Symposium on Fisheries and Aquatic Sciences, Attendee, Trabzon, Turkey, 2014

First National Workshop on Marine Biotechnoloy and Genomics, Attendee, Muğla, Turkey, 2012