



TAGEM
R&D AND INNOVATION

MEDITERRANEAN FISHERIES RESEARCH,
PRODUCTION AND TRAINING INSTITUTE,
ANTALYA/TURKEY

ÖZGÜR AKTAŞ, PhD Chemist

EDUCATION

Assoc. prof

PhD
2005-2013 Akdeniz University, Graduate School
of Natural and Applied Sciences

MSc
2002-2005 Akdeniz University, Graduate School
of Natural and Applied Sciences

Bachelor's Degree
1997-2001 Akdeniz University
Faculty of Arts and Sciences

LANGUAGE English YÖKDİL 55 / KPDS 60 / ÜDS 58,75

ABOUT ME

I was born in 1979 in Antalya. He graduated from Akdeniz University, Faculty of Arts and Sciences, Department of Chemistry in 2001. I started to work as a Research Assistant at the same Faculty in 2002. I have been working as a Chemist at the institute since 2011.

I work on water quality, feed and food analysis and pollution analysis.

CAREER

2011-Continues Chemist, Mediterranean Fisheries Research, Production and Training Institute-Antalya Unit -Antalya/TURKEY

2002-2011 Research Assistant, Akdeniz University, Faculty of Science, Department of Chemistry - Antalya/TURKEY

CONTACT

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- **PROJECTS**

- **Projects Conducted**

1. Self-Contained Integrated Multi-Trophic Aquaponic Systems to Improve Food Production Sustainability, Salt Water Use and Recycling (SIMTAP), TUBITAK, Researcher.
2. Investigation of Reproductive and Migration Behaviors Of Atlantic Tunas (*Thunnus Thynnus*) That Breading in The Eastern Mediterranean, Researcher.
3. Project for Determination of the Ovulation Periods of Commercial Fish Species Based on Egg and Larval Data in Antalya Bay, TAGEM, Researcher.
4. Determination of Some Breeding Conditions of Sarıağız (*Argyrosomus regius*, Asso, 1801) Larvae, TAGEM, Researcher.
5. Investigating food webs of Beymelek lagoon Lake by applying stable isotopes methods, TAGEM, Researcher.
6. Investigation of Ecological Aspects in one decade (2003-2013) change process of Karacaören Baraj Dam Lake, TAGEM, Researcher.
7. Effects of Mannan-oligosaccharide (MOS) added to sea bream feed at different rates on growth and meat quality of sea bream (*Sparus aurata*), TAGEM, Researcher.
8. Determination of Genetic Damage Level in Carp (*Cyprinus carpio*) and Cat (*Silurus glanis*) Fish Due to Water Pollution in Lake Uluabat, TAGEM, Researcher.
9. Determination of Reproductive Characteristics and Breeding Criteria of Doctor Fish (*Garra rufa* and *Cyprinodon macrostomus*), TAGEM, Researcher.
10. Investigation of Water-Sediment Structure of Eğirdir, Beyşehir, Uluabat and İznik Lakes and Heavy Metal Levels in Macrophyte, Bentose, Plankton and Economic Fisheries Types, TAGEM, Researcher.
11. Revision of the Monitoring Program in Bivalve Mollusc Production Areas and Capacity Building Project, TAGEM, Researcher.
12. Evaluation of Adığuzel and Cindere Dam Lakes (Denizli) in terms of Trout Breeding and Estimation of Carrying Capacity TAGEM, Researcher.
13. Determination of phytoplankton diversity and distribution in Antalya Bay, the effect of physicochemical parameters on succession, TAGEM, Researcher.



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14. Microbial raw material as source for protein and EPA and DHA for use in aquafeed-“MICRO-Feed”, COFASP, Araştırmacı
15. There is life in water, TUBITAK 4004, Trainer.
16. Environmental Impact of Trout Farms, TAGEM, Researcher.
17. Determination of immunostimulant effect of anise (Pimpinella anisum) on growth performance and non-specific immune system of rainbow trout (Oncorhynchus mykiss W), Akdeniz University BAP, Researcher
18. Determining the Effects of Aquaculture On Water Quality of Karacaören 2 Dam Lake By Mathematical Modeling, TAGEM, Researcher.
19. PhD. Thesis Project, Complexation of Metal Alkoxides with vic- Dioxime and Pyridyl Monoxime Ligands, Characterization of the Complex Structure, Akdeniz University Scientific Research Projects Management Unit, Researcher, December 2009- February 2013.
20. Master's Thesis Project, Complexation Reactions of Metal Alkoxides with Monoxime and Dioxime ligands and structure determination of complexes, Akdeniz University, Scientific Research Projects Management Unit, Researcher, October 2003-October 2004.



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■ Ongoing Projects

1. Kapalı Devre Multitrofik Deniz Balıkları Yetiştiriciliği Sistemine Entegre Edilerek Kültürü Yapılan Makroalglerin Balık ve Bitki Beslemede Kullanımı, TÜBİTAK 1003, Araştırmacı.
2. Finike Denizaltı Dağları Bölgesinin İhtiyoplankton Topluluklarının Araştırılması, TÜBİTAK 1003, Araştırmacı.
3. Arıtılmış evsel atıklararda yetişirilen alg ve su mercimeğinin Gökkuşağı Alabalığı yemlerinde balık unu ve soya küspesi yerine kullanımı, TÜBİTAK 1003, Araştırmacı.
4. Durgun Sularda Trofik Seviye ve Özümleme Kapasitelerinin Belirlenmesi Projesi, TAGEM, Araştırmacı.
5. Evaluation of Sediment Quality in Bivalve Cultivation Potential Areas in Aegean and Southern Marmara Coasts, TAGEM, Project Leader.
6. Determination of Potential Aquaculture Areas in the Seas, TAGEM, Researcher.
7. Reconstruction of Past Lake Environmental Variables Using the Variability of Diatomaceous Concentration and Accumulation Rates in Sediment in Selected Lakes (Turkey): A Quantitative Approach in Paleolimnology" TUBITAK 1001, Researcher.



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Habil Uğur Koca, Göknur Sürengil, Özgür Aktaş, Faruk Pak, Seval Bahadir Koca "Seasonal Variation in Proximate Composition and Fatty Acid Profiles of Three Scorpion Fish from the Mediterranean Sea, Turkey," Journal of Aquatic Food Product Technology, 32(2), 209-211 (2023), DOI: 10.1080/10498850.2023.2179905.
2. İdris Koraltan, Olgac Guven, Filiz Okturen Asri, Ozgur Aktas, Ercument Aksoy, Gunseli Yaprak, İsmail Boztosun, Suleyman Fatih Ozmen "An assessment on levels of radionuclides and trace metals and radiological risk to marine biota in the North-Eastern Mediterranean Sea" The European Physical Journal Special Topics, 232, 1583-1593 (2023), <https://doi.org/10.1140/epjs/s11734-023-00884-8>.
3. Hüseyin Sevgili, Mahir Kanyilmaz, Süleyman Öztürk, Özgür Aktaş "Estimation of dietary protein and energy requirements of doctor fish, Garra rufa, using a bioenergetic factorial approach" Animal Feed Science and Technology, 298, 115600, (2023). <https://doi.org/10.1016/j.anifeedsci.2023.115600>
4. Sinan Mavruk, Cihan Toslak, Fatma Banu Yalim, Armağan Erdem Ütük, Özgür Aktaş, Şakire Serap Yılmaz, Alpaslan Kara, Ahsen Yüksek "Contribution of integrative taxonomy of ichthyoplankton to knowledge on mesopelagic fish biodiversity in the Northeastern Mediterranean" Marine Biodiversity, 53(7) (2023). <https://doi.org/10.1007/s12526-022-01312-1>.
5. Sinan Mavruk, Cihan Toslak, F. Banu Yalim, Armağan Erdem Ütük, Alpaslan Kara, Özgür Aktaş, Ahsen Yüksek "First record of darter goby, Ctenogobius boleosoma (Jordan & Gilbert, 1882) (Gobiiformes: Gobiidae), in the Mediterranean with notes on larval morphology and cryptic diversity." Mediterranean Marine Science, 23(4), 900–906, (2022). <https://doi.org/10.12681/mms.3016.1>.
6. Hüseyin Sevgili, Soner Sezen, Adil Yilayaz, Özgür Aktaş, Faruk Pak, Inga. M. Aasen, Kjell Inge Reitan, Michael Sandmann, Sascha Rohn, Gamze Turan, Mahir Kanyilmaz, (2019) "Apparent nutrient and fatty acid digestibilities of microbial raw materials for rainbow trout (*Oncorhynchus mykiss*) with comparison to conventional ingredients" Algal Research, 42:101592.
7. Mustafa Yavuz, Özgür Aktaş, (2018) "Heavy Metal Accumulation in The Microtus Guentheri (Danford And Alston, 1880) Living Near The Mines as a Biomonitor" Fresenius Environmental Bulletin, 27(2), 1104-1121.
8. Fazlı Sözmen, Burcu Uysal, Elif Odabaş Köse, Özgür Aktaş, İlker Cinbilgel, Birsen Şengül Oksal, (2012) "Extraction of the essential oil from endemic Origanum bilgeri P.H.Davis with two different methods: comparison of theo composition and antibacterial activity." Chemistry & Biodiversity, 9, 1356-1363.



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9. Burcu Uysal, Fazlı Sözmen, Özgür Aktaş, Birsen Şengül Oksal, Elif Odabaş Köse, (2011) "Essential oil composition and antibacterial activity of the grapefruit (*Citrus Paradisi*. L) peel essential oils obtained by solvent free microwave extraction: comparison with hydro-distillation." International Journal of Food Science and Technology, 46 (7), 1455-1461.
10. Elif Odabaş Köse, İsmail Gökhan Deniz, Cengiz Sarıkürkçü, Özgür Aktaş, Mustafa Yavuz, (2010) "Chemical composition and antimicrobial and antioxidant activities of the essential oils of *Sideritis erythrantha* (var. *erythrantha* and var. *cedretorum*) endemic in Turkey." Food and Chemical Toxicology, 48, 2960-2965.
11. Elif Odabaş Köse, Özgür Aktaş, İsmail Gökhan Deniz, Cengiz Sarıkürkçü, (2010) "Chemical composition, antimicrobial and antioxidant activity of essential oil of endemic *Ferula lycia* Boiss." Journal of Medicinal Plants Research, 4 (17), 1698-1703.
12. Birsen Şengül BüyüktAŞ, Özgür Aktaş, (2006) "Complexation of titanium n-butoxide $Ti(OBu_n)_4$ and zirconium n-butoxide $Zr(OBu_n)_4$ with some oxime ligands and structural analysis of the complexes.", Transition Metal Chemistry, 31, 56-61.



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- **International Papers, Seminars, etc.**

1. Fırat Erdoğan, Seval Bahadır Koca, Batuhan Emre Özdoğan, Oğuz Yaşar Uzunmehmetoğlu, Özgür Aktaş, Hüseyin Sevgili, “Boosting narrow clawed crayfish (*Pontastacus leptodactylus*) production: a factorial model for dietary nutrient demands” Fisheries Science in the Mediterranean and the Black Sea (Fish Forum) 2024, 19-23 February 2024, Antalya, Türkiye.
2. Murat Yeşiltaş, Mehmet Ali Turan Koçer, Faruk Pak, Özgür Aktaş, E. Koru “Biomass production performance and nutritional value of microalgae grown in remineralized sludge water obtained from nutrient film technique (NFT) aquaponics” International Symposium on Fisheries and Aquatic Sciences, 24-26.10.2023 Trabzon, Türkiye.
3. Mehmet Ali Turan Koçer, Oktay Ertuğrul , Serkan Erkan , Durali Eraslan , Özgür Aktaş “Biomass productivity of *Salicornia europaea* L. in hydroponic of a pilot integrated multi-trophic aquaculture system operated full-strength seawater” V. International Conference on Agricultural, Biological and Life Science, 19-20 September 2023, Edirne, Türkiye.
4. Sinan Mavruk, Cihan Toslak, Fatma Banu Yalim, Özgür Aktaş, Fethi Bengil, Meltem Ok, Ahsen Yuksek “Spatial, intra and interannual changes of summer larvalfish assemblages and influence of environmental conditions in Antalya Bay, North-Eastern Mediterranean” 44th Larval Fish Conference, 24-26 June 2021.
5. F. Banu Yalim, Özgür Baytut, Özgür Aktaş, Talip Özgen, “A Potentially Toxic Algal Bloom of *Euglena sanguinea* Ehrenberg in a Mediterranean Creek (Antalya, Turkey).” International Biological Agricultural and LifeScience Congress, 07-08 November 2019, Lviv, Ukraine.
6. Cafer Bulut, Faruk Pak, Özgür Aktaş, Erhan Şener, Ufuk Akçimen, Kâzım Uysal, Şakir Çınar, “Investigation of Some Heavy Metal Parameters in İznik Lake and Related Streams” 2. International Symposium on Limnology and Freshwater Fisheries, LIMNOFISH 2019, 03-05 September 2019, Elazığ, Turkey.
7. Hüseyin Sevgili, İsa Aydın, Adem Kurtoğlu, Özgür Aktaş, Faruk Pak, İnga M. Aesen, Kjell Inge Reitan, Michael Sandmann, Matilde Skogen Chauton, Gamze Turan, Mahir Kanyılmaz, “*Thraustochytrids, Phaeodactylum thicornutum* and *Nannochloropsis oculata* in diets of juvenile European sea bass (*Dicentrarchus labrax*)”, AQUA 2018, 25-29 August 2018 Montpellier, France.
8. Yılmaz Emre, Nehir Kaymak, Şenol Akın, Nesrin Emre, Fatma Banu Yalim, Özgür Aktaş, Faruk Pak, Uysal, R. Stable Isotope Analyses to Elucidate Trophic Ecology of Non-Native Fish, *Gambusia affinis* in the Beymelek Lagoon (Antalya, Turkey). SEAB 2018: The 4th International Symposium on EuroAsian Biodiversity, Kiev, UKRAYNA, 03-06 July 2018.
9. Şule Nur Öztürk, Afşin Güngör, Cihan Toslak, Hatice Oruç, Fatma Banu Yalim, Faruk Pak, Özgür Aktaş “An assessment on use of fish wastes: Biogas” International Conference on Technology and Science (Techno-Science 2018), Antalya, Turkey, 13-15 December 2018.



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10. Hatice Oruç, Afşin Güngör, Şule Nur Öztürk, Fatma Banu Yalım, Faruk Pak, Özgür Aktaş, Cihan Toslak, "Balık Dip Çamuru ve Biyogaz" International Conference on Technology and Science (Techno-Science 2018), Antalya, Turkey, 13-15 December 2018.
11. Hüseyin Sevgili, Soner Sezen, Adil Yılıayaz, Özgür Aktaş, Faruk Pak, Inga. M. Aasen, Kjell Inge Reitan, Michael Sandmann, Matilde Skogen Chauton, Xinxin Wang, Gamze Turan, Mahir Kanyılmaz "Apparent Digestibility of Nutrients of Some Microbial Raw Materials and Selected Ingredients for Rainbow Trout, *Oncorhynchus mykiss*" International Symposium on Fisheries and Aquatic Sciences (FABA-2018), Ankara, Turkey, 21-23 November 2018.
12. Cafer Bulut, Abidin Fidan, Soner Savaşer, Mehmet Pazar, Ahmet Mamak, Şakir Çınar, Bahadır Emre, Faruk Pak, Özgür Aktaş "Preliminary Findings in Adıgüzel Dam Lake Water Quality: Assessment of In-Situ Measurements" International Symposium on Fisheries and Aquatic Sciences (FABA-2018), Ankara, Turkey, 21-23 November 2018.
13. Fatma Turna Demir, Özgür Aktaş, Mustafa Yavuz, "Detection of Heavy Metal Accumulation in Skin with for Tissue of *Microtus Guentheri* (Danford and Alston 1880) Collected From Polluted Sites In Korkuteli, Antalya" 1. International Health Science and Life Congress (IHSCLC 2018), 02-05 May 2018, Burdur-Turkey.
14. Fatma Turna Demir, Özgür Aktaş, Mustafa Yavuz, "A Study of Bone Heavy Metal Accumulation in Levant Vole (*Microtus Guentheri*-Danford And Alston 1880) Sites Near Marble and Stone Quarries in Korkuteli, Antalya-Turkey" 1. International Health Science and Life Congress (IHSCLC 2018), 02-05 May 2018, Burdur-Turkey.
15. Hüseyin Sevgili, Soner Sezen, Mahir Kanyılmaz, Özgür Aktaş, Faruk Pak "Dietary protein requirements of zebrafish (*Danio rerio*)" International Symposium on Limnology and Freshwater Fisheries (LIMNOFISH 2017), Isparta, 4-6 October 2017.
16. Fatma Banu Yalım, İskender Gölle, Faruk Pak, Özgür Aktaş, Mehmet Cilibiz, Yılmaz Emre, Şakir Çınar, Ramazan Uysal, Hatice Oruç, "Determination of Some Heavy Metals in Four Fish Species from Karacaören I Dam Lake, Turkey" International Symposium on Limnology and Freshwater Fisheries (LIMNOFISH 2017), Isparta, 4-6 October 2017.
17. Cafer Bulut, Kazım Uysal, Soner Savaşer, Faruk Pak, Özgür Aktaş, Şakir Çınar "Investigation of Some Metal Levels in Water and Sediment Samples of Beyşehir Lake" International Symposium on Limnology and Freshwater Fisheries (LIMNOFISH 2017), Isparta, 4-6 October 2017.
18. Faruk Pak, M. Rüştü Özgen, Özgür Aktaş, Yılmaz Emre "Acute Toxicity on Fish Meager (*Argyrosomus regius*, Asso, 1801) of Cadmium (Cd+2)" International Symposium on Limnology and Freshwater Fisheries (LIMNOFISH 2017), Isparta, 4-6 October 2017.



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19. Fatma Turna Demir, Özgür Aktaş, Murat Kılıç, Mustafa Yavuz, "Heavy Metal Accumulation In Bone Tissue Of Wild Microtus Guentheri (Danford And Alston 1880) From The Korkuteli-Antalya, Turkey" International Health and Natural Sciences Conference (INHSC 2017), Antalya, Turkey, 19-21 October 2017.
20. Fatma Turna Demir, Murat Kılıç, Özgür Aktaş, Mustafa Yavuz, "Heavy Metal Accumulation In Skin Tissue with for of Wild Microtus Guentheri (Danford And Alston 1880) From The Korkuteli-Antalya, Turkey", International Health and Natural Sciences Conference (INHSC 2017), Antalya, Turkey, 19-21 October 2017.
21. Fatma Turna Demir, Özgür Aktaş, Murat Kılıç, Mustafa Yavuz, "Heavy Metal Accumulation in Liver Tissue of Wild Microtus guentheri (Danford and Alston 1880) from The Korkuteli-Antalya, Turkey", ISEEP-2017 VIII. International Symposium On Ecology and Environmental Problems, Çanakkale, Turkey, 4-7 October 2017.
22. Hüseyin Sevgili, Adem Kurtoğlu, Masaika Oikawa, Hikmet Ertekin, Bülent Çeliköz, Özgür Aktaş, Faruk Pak, Firdevs Mert, "Effects of Dietary Salt Supplementation on Growth Performance and Body Nutrient Composition of Turbot (*Scophthalmus maximus*) in Brackish Water" International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.
23. Mahir Kanyılmaz, Süleymen Öztürk, Hüseyin Sevgili, Özgür Aktaş, "The Effects of Stocking Density on Growth Performance and Blood Glucose Levels in Doctor Fish, *Garra rufa*" International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.
24. Cafer Bulut, Kazım Uysal, Mehmet Yaman, Yılmaz Emre, Ufuk Akçimen, Şakir Çınar, İsmail Erbatur, Faruk Pak, Özgür Aktaş, "Investigation of Some Heavy Metal Levels in Water Samples of İznik Lake" International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.
25. Faruk Pak, Özgür Aktaş, Songül Uzun, "Acute Nitrite Toxicity in *Barbus conchonius* (Hamilton, 1822) and Its Compensation by Chloride" International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.
26. Faruk Pak, M. Rüştü Özén, Özgür Aktaş "Acute Toxicity on Fish Meager (*Argyrosomus regius*, Asso, 1801) of Copper (Cu^{+2})" International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.
27. Mustafa Yavuz, Özgür Aktaş, "Heavy Metal Accumulation and the Road Effect: In Social Voles (*Microtus socialis* (Pallas, 1773) at the Feke/Adana, Turkey" Symposium on EuroAsian Biodiversity (SEAB-2016), Antalya, 23-27 Mayıs 2016.



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28. Kazım Uysal, Banu Yalım, Yılmaz Emre, Özgür Aktaş, Gül Nihan Öztürk, "Determination of Fatty Acid and Heavy Metal Amounts in The Muscle of a Freshwater Fish (*Capoeta antalyensis*) Using Gas Choramatography and Atomic Absorption Spectroscopy" 1st International Turkic World Conference on Chemical Sciences and Technologies, Sarajevo, Bosnia-Herzegovina, 27 October- 1 November 2015.
29. Fatma Banu Yalım, İskender Gölle, Faruk Pak, Özgür Aktaş, Ramazan Uysal, Meltem Bayoğlu, "Changes in the Trophic State of Karacaören I Dam Lake (Burdur, Turkey)." FABA 2014: International Symposium on Fisheries and Aquatic Sciences, Trabzon/Turkey, 25-27 September 2014.
30. Mustafa Yavuz, Özgür Aktaş, Mehmet Öz, "Heavy Metal Accumulation in Muscle Tissues of *Microtus Subterraneus* (DeSelys-Longchamps, 1836) at Söğüt-Burdur, Turkey." VII. International Symposium on Ecology and Environmental Problems, Antalya/Turkey, 18-21 December 2013.
31. Mustafa Yavuz, Özgür Aktaş, Mehmet Rızvan Tunç, "Heavy Metal Accumulation in *Microtus Subterraneus* (De Selys-Longchamps, 1836) at Çaltepe-Burdur, Turkey." VII. International Symposium on Ecology and Environmental Problems, Antalya/Turkey, 18-21 December 2013.
32. Nuray Ergüner Aktaş, Özgür Aktaş, Mustafa Yavuz, Mehmet Öz, "The Heavy Metal Accumulation in the Liver of Stripe Necked Turtle (*Mauremys rivulata*) (Testudinata: Bataguridae), Distributed in Antalya." Mediterranean Scientific Association of Environmental Protection (MESAEP), Ioannina/Yunanistan, 24-27 Eylül 2011.
33. Mustafa Yavuz, Özgür Aktaş, "Heavy Metal Accumulation and the Road Effect: in Levant Voles (*Microtus guentheri* (Danford and Alston 1880)) at Tefenni/Burdur, Turkey." Mediterranean Scientific Association of Environmental Protection (MESAEP), Ioannina/Yunanistan, 24-27 Eylül 2011.
34. Mustafa Yavuz, Özgür Aktaş, Mehmet Rızvan Tunç, "Heavy Metal Accumulation: in Southern Voles (*Microtus levis* (Miller, 1908)) at the Side of Yazılı Lake/Mersin, Turkey." Mediterranean Scientific Association of Environmental Protection (MESAEP), Ioannina/Yunanistan, 24-27 Eylül 2011.
35. Birsen Şengül Büyüktas, Seyfi Hisim, Özgür Aktaş, Fazlı Sözmen, Burcu Uysal, "Tinkal ve Kolemanitden Borik Asit Esterlerinin [B(OR)3] Eldesi." 4. Uluslararası Bor Sempozyumu, Eskişehir, 15-17 Ekim 2009*.



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- **NATIONAL ARTICLES AND PAPERS**

- **Articles Published in National Journals**

1. Çağlayan Kaplan, Mete Erdoğan, Fatime Erdoğan, Özgür Aktaş, Faruk Pak, "The influence of the dietary propolis on the fatty acid profile and the hematological parameters of seabream (*Sparus aurata L. 1758*)."*Ege Journal of Fisheries and Aquatic Sciences*, 39(2), 151-159, (2022). DOI:10.12714/egefias.39.2.09.
2. Hüseyin Sevgili, Adem Kurtoğlu, Masahiko Oiakawa, Özgür Aktaş, Salih Kocakaya, Faruk Pak, (2021) "Effects of Dietary Wheat Middlings and Supplemental Phosphorus on Growth of Turbot, *Scophthalmus maximus Linnaeus, 1758*" *Turkish Journal of Maritime and Marine Sciences*, 7 (2): 128-137. DOI: 10.52998/trjmms.962181.
3. Ali Ahmet Berber, Nesrin Emre, Merve Güneş, Burçin Yalçın, Faruk Pak, Özgür Aktaş, Cafer Bulut, Hüseyin Aksoy, Yılmaz Emre, Bülent Kaya, (2021) "Uluabat Gölü Su Kirliliğine Bağlı Olarak Cyprinus carpio ve Silurus glanis'teki Genetik Hasar Düzeyinin Belirlenmesi. LimnoFish. 7(3): 219-232. doi: 10.17216/LimnoFish.821628.
4. Fatma Banu Yalım , Nesrin Emre , İskender Gölle , Yılmaz Emre , Faruk Pak , Özgür Aktaş , Ramazan Uysal , Erdinç Veske, (2020) "Karacaören I Baraj Gölü (Burdur) Mikrobiyolojik Kirlilik Düzeyinin Mevsimsel Değişimi" LIMNOFISH-Journal of Limnology and Freshwater Fisheries Research, 6 (2): 120-126.
5. Hüseyin Sevgili, Soner Sezen, Mahir Kanyılmaz, Özgür Aktaş, Faruk Pak, (2019) "Dietary Protein Requirements of Zebrafish (*Danio rerio*)" LIMNOFISH-Journal of Limnology and Freshwater Fisheries Research 5(1): 34-40.
6. Mehmet Ali Turan Koçer, Faruk Pak, Özgür Aktaş, Hatice Oruç, Ramazan Uysal, (2018) "Rotary Drum Filter Effectiveness in Suspended Solids Removal from Trout Farm Discharges - A Case Report" Aquaculture Studies, 18(5), 51-56.
7. Nesrin Emre, Kazım Uysal, Yılmaz Emre, Mustafa Kavasoğlu, Özgür Aktaş, (2018) "Seasonal and Sexual Variations of Total Protein, Fat and Fatty Acid Composition of an Endemic Freshwater Fish Species (*Capoeta antalyensis*)" Aquatic Sciences and Engineering 33(1), 6-10.
8. Fatma Turna Demir, Murat Kılıç, Özgür Aktaş, Mustafa Yavuz, (2018) "Korkuteli-Antalya, Türkiye'den Yabani *Microtus guentheri* (Danford and Alston 1880) Kürklü Deri Dokusundaki Ağır Metal Birikiminin Araştırılması" Tabiat ve İnsan, 201, 22-31.



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▪ International Papers, Seminars, etc.

1. Ramazan Uludağ, Soner Çetinkaya, Erkan Gümüş, Özgür Aktaş, Faruk Pak, Yavuz Osman Birdane, Murat O. Balaban "Japon balıklarında (*Carassius auratus*) ticari yemlerin pigmentasyon ve bazı su kalitesi parametrelerine etkileri" 6. Balık Besleme ve Yem Teknolojisi Çalıştayı, 27-28 Eylül 2023, Antalya, Türkiye.
2. Cafer Bulut, Abidin Fidan, Faruk Pak, Özgür Aktaş, Mustafa Ergün, Mehmet Pazar, Gürkan Koçer, Soner Savaşer, Bahadır Emre "Alabalık tesislerinin Kanlıçay Dere (Çameli, Denizli) üzerine etkilerinin değerlendirilmesi (Evaluation of the impacts on the Kanlıçay Stream (Çameli, Denizli) of the trout facilities)" 6. Ulusal Alabalık Sempozyumu, 15-16 Eylül 2022, Isparta.
3. Hüseyin Sevgili, İsmail Dal, Özgür Aktaş, Faruk Pak, Ramazan Uysal, Adil Yıldayaz, Soner Sezen, Mehmet Ali Turan Koçer, Serkan Erkan, Mahir Kanyılmaz, Ercüment Genç, Ayşe Genç, Doğukan Kaya "İki farklı biyoyumak ununun gökkuşağı alabalığı (*Oncorhynchus mykiss*) için besin madde Sindirilebilirliği" 6. Ulusal Alabalık Sempozyumu, 15-16 Eylül 2022, Isparta.
4. Murat Yeşiltaş, Mehmet Ali Turan Koçer, Dinçer Başdemir, Faruk Pak, Özgür Aktaş, İsmail Dal, Meryem Cansu Yeşiltaş, Tufan Koray, Serkan Erkan, Seçil Tüzün Düğan, Çoşkun Menderes Aydın, Merve Karakuş, Fatma Banu Yalım, Yılmaz Emre, "Antalya körfezi yüzey fitoplankton kompozisyonunun belirlenmesi" 20. Ulusal Su Ürünleri Sempozyumu, 24-26 Eylül 2019, Mersin, Türkiye.
5. Hüseyin Sevgili, Mahir Kanyılmaz, Süleyman Öztürk, Özgür Aktaş, "Doktor balıkların (*Garra rufa*) enerji ve protein gereksinimleri ile yem spesifikasyonlarının faktöriyel yaklaşımıyla belirlenmesi" V. Balık Besleme ve Yem Teknolojisi Çalıştayı, Atatürk Üniversitesi Su Ürünleri Fakültesi, Erzurum, 6-7 Eylül 2018.
6. Cafer Bulut, Mehmet Pazar, Abidin Fidan, Soner Savaşer, Ahmet Mamak, Elif Kübra Özil, Faruk Pak, Özgür Aktaş, İlker Bilgili, Bahadır Emre, Şakir Çınar, "Banaz Çayı (Uşak) Su Kalitesinin Son Durumu" VIII. Ulusal Limnoloji Sempozyumu, Sakarya Üniversitesi Fen Edebiyat Fakültesi Biyoloji Bölümü, Sakarya, 27-29 Ağustos 2018.
7. Cafer Bulut, Abidin Fidan, Mehmet Pazar, Soner Savaşer, Ahmet Mamak, Elif Kübra Özil, Faruk Pak, Özgür Aktaş, Mehmet Ali Turan Koçer, Hüseyin Küçüker, Ufuk Akçimen "Hamam Çayı (Uşak) Su Kalitesinin Son Durumu" VIII. Ulusal Limnoloji Sempozyumu, Sakarya Üniversitesi Fen Edebiyat Fakültesi Biyoloji Bölümü, Sakarya, 27-29 Ağustos 2018.
8. Cafer Bulut, Ayşegül Kubilay, Faruk Pak, Özgür Aktaş, Kadir Uçgun, Ufuk Akçimen, Şakir Çınar, "Eğirdir Gölü Sudak Balıklarının (*Sander lucioperca*, *Linnaeus 1758*) Solungaç, Kas ve Karaciğer Dokularındaki Bazı Ağır Metal Düzeylerinin Karşılaştırılması." II. Balıklandırma ve Rezervuar Yönetimi Sempozyumu, Eğirdir/Isparta, 20-22 Mayıs 2015.
9. Kazım Uysal, Yılmaz Emre, Nesrin Emre, İrfan Yetek, Özgür Aktaş, Ramazan Uysal, "Endemik Balıklarımızdan *Capoeta antalyensis*'in Yağ asidi Bileşiminin Mevsimsel ve Cinsiyetler Arası Değişimi." 22. Ulusal Biyoloji Kongresi, Eskişehir Osmangazi Üniversitesi, Eskişehir, 23-27 Haziran 2014.



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10. Mehmet Ali Turan Koçer, Faruk Pak, Özgür Aktaş, Hatice Oruç, Ramazan Uysal, "Eşen Çayı Havzasındaki Bazı Alabalık Yetiştiricilik Tesislerinde Kullanılan Tambur Filtre Sistemlerinin Deşarj Sularını Arıtma Etkinliği." 5. Doğu Anadolu Bölgesi Su Ürünleri Sempozyumu, Elazığ, 31 Mayıs-2 Haziran 2014.
11. İskender Gülle, Fatma Banu Yalım, Ümit Kebapçı, Meltem Bayoğlu, Özgür Aktaş, Ramazan Uysal, Faruk Pak, Hatice Oruç, "İstilacı Tatlısu Medüzü Craspedacusta sowerbii Lankester, 1880 (Cnidaria: Limnomedusae) İçin Yeni Bir Lokalite: Karacaören I Baraj Gölü (Burdur)." 5. Doğu Anadolu Bölgesi Su Ürünleri Sempozyumu, Elazığ, 31 Mayıs-2 Haziran 2014.
12. Burcu Uysal, Fazlı Sözmen, Özgür Aktaş, Birsen Şengül Oksal, Elif Odabaş Köse, "Greyfurt (Citrus Paradisi. L.) Kabuğundan Çözgensiz Mikrodalga Ekstraksiyonu (SFME) ve Hidro-destilasyon (HD) Yöntemiyle Elde Edilen Uçucu Yağların Kimyasal Bileşimi ve Antimikroiyal Aktivitelerinin Karşılaştırılması." XXV. Ulusal Kimya Kongresi, Erzurum, 27 Haziran-2 Temmuz 2011.
13. Özgür Aktaş, Birsen Şengül Oksal, "Titanyum Tetra n-bütoksit [Ti(OBu_n)₄] in Pridil Monoksimlerle Kompleksleştirilmesi ve Kompleks Yapılarının Aydınlatılması." III. Ulusal Anorganik Kimya Kongresi, Çanakkale Onsekiz Mart Üniversitesi, Çanakkale, 19-22 Mayıs 2011.
14. Nuray Ergüner Aktaş, Özgür Aktaş, Mustafa Yavuz ve Mehmet Öz, "Antalya ve Çevresinde Yayılış Gösteren Çizgili Kaplumbağa (Mauremys rivulata) (Testudinata: Bataguridae)'nin Kas Dokusundaki Ağır Metal Birikiminin İncelenmesi." XII. Ulusal Spektroskopi Kongresi, Ankara Üniversitesi, Antalya, 18-22 Mayıs 2011.
15. Özgür Aktaş, Elif Odabaş Köse, İsmail Gökhan Deniz, "Ferula lycia Boiss. Bitkisinden Elde Edilen Uçucu Yağın Kimyasal Bileşimi ve Antimikroiyal Aktivitesi." Kromatografi 2010, Atatürk Üniversitesi, Erzurum, 16-19 Haziran 2010.
16. Özgür Aktaş, Fazlı Sözmen, Elif Odabaş Köse ve Birsen Şengül Oksal, "Portakal (Citrus Sinensis) Kabuğundan Çözgensiz Mikrodalga Ekstraksiyonu (SFME) ve Hidro-destilasyon (HD) Yöntemiyle Elde Edilen Uçucu Yağların Kimyasal Bileşimi ve Antimikroiyal Aktivitelerinin Karşılaştırılması." Kromatografi 2010, Atatürk Üniversitesi, Erzurum, 16-19 Haziran 2010.
17. Özgür Aktaş, Birsen Şengül Büyükaş, "Monoksim ve vic-Dioksimlerle Kompleksleştirilmiş Titanyum Tetra n-bütoksit [Ti(OBu_n)₄] in İsisal Özelliklerinin İncelenmesi." XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, 16-20 Haziran 2009.
18. Birsen Şengül Büyükaş, Alptekin Yıldırım, Özgür Aktaş, Burcu Uysal, "Titanyum (IV) n-Butoksit'in Bazı Mono ve Dikarboksilli Asitlerle Kompleksleştirilmesi, Komplekslerin Hidroliz-Kondenzasyon Reaksiyonlarının İncelenmesi." I. Ulusal Anorganik Kimya Günleri, Çukurova Üniversitesi, Adana, 20-23 Nisan 2007.



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19. Birsen Şengül BüyüktAŞ, Özgür Aktaş, "Monoksim ve vic-Dioksimlerin Bazı Metal Alkoksitlerle Komplekslerinin Sentezi ve Yapılarının Aydınlatılması." XIX. Ulusal Kimya Kongresi, Ege Üniversitesi, Kuşadası, 30 Eylül-04 Ekim 2005.
20. Özgür Aktaş, Birsen Şengül BüyüktAŞ, Monoksim ve vic-Dioksimlerle Kompleksleştirilmiş Titanyum Tetra n-Bütoksit [Ti(OBu_n)₄] Kaplamaların Kırılma İndisi Değerlerinin ve Süperhidrofilik Özelliklerinin İncelenmesi. XIX. Ulusal Kimya Kongresi, Ege Üniversitesi, Kuşadası, 30 Eylül-04 Ekim 2005.



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■ **OTHER PUBLICATIONS**

■ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. PhD. Thesis, Complexation of Metal Alkoxides with vic- Dioxime and Pyridyl Monoxime Ligands, Characterization of the Complex Structure, Akdeniz University, Graduate School of Natural and Applied Sciences Department of Chemistry.
2. Master's Thesis, Complexation Reactions of Metal Alkoxides with Monoxime and Dioxime ligands and structure determination of complexes, Akdeniz University, Graduate School of Natural and Applied Sciences Department of Chemistry.



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▪ **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

Trainings/Symposiums/Congresses/Workshops and Organizations Involved:

1. Workshop on Prevention of Water Pollution from Plant Protection Products 25 November 2020.
2. 1st National Bivalve Workshop, Antalya, 9-11 October 2018.
3. International Symposium on Fisheries and Aquatic Sciences (FABA-2016), Antalya, 3-5 Kasım 2016.

Trainings/Seminars:

1. Laboratuvar İşleyişi (Temizlik, Güvenlik, Çalışma Sağlığı) "Deney Hayvanları Kullanım Sertifikası Eğitim Kursu", 02-13.10.2023, AKSAM, Antalya.
2. Water quality for aquaculture "Capacity Building Project for Fisheries and Aquaculture Management (FISHCap)", FAO, 27 02-03.03.2023, MEDFRI, Antalya, Türkiye.
3. Water quality for aquaculture (Laboratory Practices) "Capacity Building Project for Fisheries and Aquaculture Management (FISHCap)", FAO, 27.02-03.03.2023, MEDFRI, Antalya, Türkiye.
4. Laboratuvar İşleyişi (Temizlik, Güvenlik, Çalışma Sağlığı) "Deney Hayvanları Kullanım Sertifikası Eğitim Kursu", 17-27.10.2022, AKSAM, Antalya, Türkiye.
5. Experimental Animal Use Certificate Training Program, Trainer, 14-25 March 2022, Antalya, Turkey.
6. Water Quality in Aquaculture, Marine Cage Culture Training for Iranian Participants, FAO, 08-25 Kasım 2021, Antalya, Turkey.
7. Water Quality in Aquaculture, Aquaculture Training Course for Palestine Katar Malaysia and Uzbekistan, SESRIC, 03-07 December 2018, Antalya, Turkey.
8. Feed Analysis Applications, Freshwater Fish Farming Training Program for Niger Experts, JICA, TIKA, 23 April-04 May 2018, Antalya, Turkey.
9. Water Quality (Trout Culture), Training Program on Development of Sustainable Aquaculture of Middle East, JICA, TIKA, 08-20 January 2018, Antalya, Turkey.
10. Water Quality in Aquaculture, Aquaculture Training Course for Botswana and Gambia, TİKA, 27 November-1 December 2017, Antalya, Turkey.
11. Water Quality in Aquaculture, Training Program on Development of Sustainable Aquaculture of Middle East, JICA, TIKA, 11-20 January 2017, Antalya, Turkey.



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12. Water Quality in Aquaculture, Training Program on Development Of Sustainable Aquaculture For Congo, 07-09 March 2016, Antalya, Türkiye.
13. Water Quality in Aquaculture, Training Program on Development of Sustainable Aquaculture of Middle East, JICA, TIKA, 11-23 January 2016, Antalya, Türkiye.
14. Water Quality (Trout Culture), Training Program on Development Of Sustainable Aquaculture For Central Asia, JICA, TIKA, 07-18 December 2015, Antalya, Türkiye.
15. Water Quality in Aquaculture, Training Program on Development of Sustainable Aquaculture of Middle East, JICA, TIKA, 11-25 January 2015, Antalya, Türkiye.

National and International Trainings/Courses:

1. Deniz Stratejisi Çerçeve Direktifi (DSÇD)'ye Göre Ekonomik ve Sosyal Analiz ve Önlemler Programları Çalıştayı, 10-14 Temmuz 2017, Bolu.
2. Deniz Stratejisi Çerçeve Direktifi (DSÇD) Kapsamında Çevresel Hedefler ve İzleme/Raporlama Faaliyetleri Çalıştayı, 22-26 Mayıs 2017 Muğla.
3. Dionex ICS-3000 Ion Chromatography system application training, 15 May 2017.
4. Deniz Stratejisi Çerçeve Direktifi (DSÇD) Kapsamında Gerçekleştirilecek İlk Değerlendirme ve İyi Çevresel Durum (İÇD) Tanımları Çalıştayı, 20-24 Şubat 2017 Samsun.
5. Deniz İzlemelerinde Standardizasyonun Sağlanması Projesi Ulusal Çalıştayı, 13-14 Ekim 2016, Ankara.
6. Deniz İzlemelerinde Standardizasyonun Sağlanması Projesi Ege Denizi ve Akdeniz Bölgesel Çalıştayı, 9-11 Aralık 2015, İzmir.
7. Flow Analyzers QuAAtro Training (Seal Analytical), 19-23 October 2015, Norderstedt, Hamburg, GERMANY.
8. HACH LANGE DR 6000 UV/VIS Spectrophotometer and Analysis Methods Training, 29.01.2015.
9. Basic Training Course for Oceanographic Equipment, CTD-Water Sampler System, Cormac Q3 Winch, MacArtney Underwater Technology, 13-17 October 2014.



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10. Ulusal Akademik Ar-Ge Proje Destek Programları Tanıtımı ve Proje Önerisi Hazırlama Eğitimi Programı, Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (TÜBİTAK), 8-9 Mart 2014.
11. Avrupa Birliği Hibe Programları Tanıtımı ve Proje Hazırlama Teknikleri, Antalya Valiliği Avrupa Birliği Projeleri Koordinasyon Merkezi (CEUPA) ve Akdeniz Üniversitesi Avrupa Birliği Araştırma ve Uygulama Merkezi (AKVAM), 29 Mart 2012.

Refereeing and Editorial Board in Journals:

1. Journal of Academic Documents for Fisheries and Aquaculture, Production Editors, 2014-2017