

# Prof. HİJRAN YAVUZCAN

## Personal Information

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**Address:** Ziraat Fakültesi Su Ürünleri Mühendisliği Bölümü, Fahrettin Altay Caddesi Ankara

## International Researcher IDs

ScholarID: 1667552298590

ORCID: 0000-0001-6567-7467

Yoksis Researcher ID: 3314

## Biography

Well acquainted with sustainable agriculture, aquaculture and bio-based economy topics, mostly related to innovative use of biotechnology in aquaculture. The alliance of a strong scientific background in the area of biosecurity and **fish welfare** as well as fish health. Recent focus on bioactive compounds uses in fish health. Extensively published in theoretical and experimental work, with significant expertise in fish health for the sustainability of aquaculture. Highly experienced in project and team management, strategic planning and budget management, as well as administrative domain in academia. Experience on project evaluation and peer reviewing in SCI and SCI-core index journals. A confident presenter and teacher, able to impart complex information to audiences of all levels. Activities in EU projects including Horizon2020.

## Research Areas

Agricultural Sciences, Natural Sciences

## Academic and Administrative Experience

Vice Dean, Ankara University, 2015 - 2016

Director of the Center, Ankara University, Ziraat Fakültesi, Su Ürünleri Mühendisliği Bölümü, 2011 - 2014

Head of Department, Ankara University, 2011 - 2014

## Courses

TEZ ÇALIŞMASI, Postgraduate, 2023 - 2024

UZMANLIK ALANI, Postgraduate, 2023 - 2024

FISH DISEASES TREATMENT METHODS, Postgraduate, 2022 - 2023, 2012 - 2013, 2011 - 2012

ALABALIK HASTALIKLARI, Postgraduate, 2022 - 2023, 2021 - 2022

FRESHWATER FISH CULTURE, Undergraduate, 2022 - 2023, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Freshwater Fish and Culture Techniques, Undergraduate, 2021 - 2022

FISH BREEDING, Undergraduate, 2022 - 2023, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001  
Aquaculture II, Undergraduate, 2021 - 2022  
ENVIRONMENTAL FISH DISEASES, Doctorate, 2022 - 2023  
Beslenmeye Bağlı Balık Hastalıkları, Doctorate, 2021 - 2022  
BALIK HASTALIKLARI, Undergraduate, 2021 - 2022, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001  
PRINCIPLES OF AQUACULTURE ENGINEERING, Undergraduate, 2022 - 2023  
ICHTHYOLOGY, Undergraduate, 2022 - 2023  
STRESS FACTORS OF FISH, Postgraduate, 2021 - 2022, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001  
BALIK BAĞIŞIKLIK SİSTEMİ, Postgraduate, 2013 - 2014, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001  
SU ÜRÜNLERİ YETİŞTİRME, Undergraduate, 2012 - 2013, 2006 - 2007, 2005 - 2006, 2003 - 2004, 2002 - 2003  
TATLI SU İSTAKOZU HASTALIKLARI, Postgraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011  
BALIK ÜRETİMİ, Undergraduate, 2012 - 2013, 2011 - 2012  
Aquaculture (Erasmus Teaching Mobility) Florence University, Doctorate, 2010 - 2011  
Aquaculture (Erasmus Teaching Mobility) Thessaloniki, Undergraduate, 2010 - 2011  
Balıkçılık Amenajmanı, Undergraduate, 2002 - 2003

## Advising Theses

YAVUZCAN H., Determining anti-parasitic effects of some herbal essential oils (EO) against monogenean parasites found on carp (*Cyprinus carpio*), Postgraduate, B.HARMANŞA(Student), 2020  
YAVUZCAN H., Assessing the ectoparasites of sea bass (*Dicentrarchus labrax*) and sea bream (*Sparus aurata*) in off shore cages in the Güllük bay (Muğla), Doctorate, Q.PHAN(Student), 2020  
YAVUZCAN H., Parasites of some freshwater ornamental fishes imported into Turkey: Disease profiles and risk analysis, Doctorate, G.ŞAHİN(Student), 2019  
YAVUZCAN H., Zostera spp. ekstraktı uygulanan artemia larvalarına ait baskın bakteri türlerinin DNA barkodlama tekniği ile analizi, Postgraduate, S.KAYNAR(Student), 2016  
YAVUZCAN H., Deneysel olarak Edwardsiella tarda ile enfekte edilen Nil tilapia (*Oreochromis niloticus* L.) balıklarında sublethal nitrit ve amonyağın bazı hematolojik ve immunolojik parametreler ile et kalitesine etkisi, Doctorate, F.SERTEL(Student), 2015  
YAVUZCAN H., Avrupa Birliği'ne uyum sürecinde Türkiye'de orkinos (*Thunnus thynnus* L.1758) yetiştiriciliği sektörünün sosyo-ekonomik analizi, B.BİLGİN(Student), 2012  
YAVUZCAN H., Avrupa Birliği'ne uyum sürecinde türkiye'de orkinos (*Thunnus thynnus* L.1758) yetiştiriciliği sektörünün sosyo-ekonomik analizi, Doctorate, B.BİLGİN(Student), 2012  
YAVUZCAN H., Sibirya mersini balıklarında (*Acipenser baeri*, Brandt 1869) bazı kan parametrelerinin referans değerlerinin belirlenmesi, Postgraduate, Z.GÜLEN(Student), 2010  
YAVUZCAN H., Lactococcus garvieae ile enfekte edilen tilapia balıklarında (*Oreochromis niloticus* L.) plazma lizozim aktivitesinin belirlenmesi, Postgraduate, F.SERTEL(Student), 2007  
YAVUZCAN H., Avrupa Birliği'nde balıkçılık ve ortak balıkçılık politikası karşısında Türkiye'nin durumu, Doctorate, H.ALPER(Student), 2007  
YAVUZCAN H., Kesikköprü Baraj Gölü'nde bir kafes işletmesinde yetiştirilen gökkuşacağı alabalıklarının (*Oncorhynchus mykiss* Walbaum, 1792) ektoparazitolojik olarak incelenmesi, Postgraduate, S.ALTUNAY(Student), 2006  
YAVUZCAN H., İthal edilen altın balıkların (*Carassius auratus auratus*) ektoparazitolojik olarak incelenmesi, Postgraduate, G.ŞAHİN(Student), 2004  
YAVUZCAN H., Farklı tuz derişimlerine uyumun tilapia balıklarının (*Oreochromis niloticus* L. 1758) bazı kan parametrelerine etkisi, Postgraduate, A.KARŞI(Student), 2002

## Jury Memberships

Doctorate, Doctorate, İstanbul Üniversitesi, June, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Üniversitesi, April, 2024

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

Committee Of Expert, Committee Of Expert, Ankara University, June, 2022

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, May, 2022

Committee Of Expert, Committee Of Expert, Ankara University, April, 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of dietary mannan oligosaccharide inclusion on production parameters of *Farfantepenaeus aztecus* cultured in a biofloc system**  
GENÇ E., Kaya D., Genc M. A., KESKİN E., YAVUZCAN H., Guroy D., Aktas M.  
Journal of the World Aquaculture Society, vol.55, no.5, 2024 (SCI-Expanded)
- II. **Effect of biofloc technology in *Farfantepenaeus aztecus* culture: The optimization of dietary protein level on growth performance, digestive enzyme activity, non-specific immune response, and intestinal microbiota**  
Genç E., Kaya D., Genc M. A., Keskin E., Yavuzcan H., Guroy D., Gurler A., Yaras K. U., Pipilos A., Ozbek B. F., et al.  
JOURNAL OF THE WORLD AQUACULTURE SOCIETY, vol.55, no.2, 2024 (SCI-Expanded)
- III. **Dietary citric acid decreased the theront number of *Cryptocaryon irritans* (Ciliata) in seawater-adapted tilapia (*Oreochromis niloticus*)**  
YAVUZCAN H., HARMANŞA YILMAZ B.  
Journal of Fish Diseases, vol.47, no.2, 2024 (SCI-Expanded)
- IV. **Anthelmintic effects of peppermint (*Mentha piperita*), lemon (*Citrus limon*), and tea tree (*Melaleuca alternifolia*) essential oils against Monogenean parasite (*Dactylogyrus* sp.) on carp (*Cyprinus carpio*)**  
HARMANŞA YILMAZ B., YAVUZCAN H.  
HELMINTHOLOGIA, vol.60, no.2, pp.125-133, 2023 (SCI-Expanded)
- V. **Fish welfare in aquaponic systems: Its relation to water quality with an emphasis on feed and faeces-A review**  
Yildiz H., Robaina L., Pirhonen J., Mente E., Dominguez D., Parisi G.  
Water (Switzerland), vol.9, no.1, 2017 (SCI-Expanded)
- VI. **Cortisol and finfish welfare**  
Ellis T., Yildiz H., López-Olmeda J., Spedicato M. T., Tort L., Øverli Ø., Martins C. I. M.  
Fish Physiology and Biochemistry, vol.38, no.1, pp.163-188, 2012 (SCI-Expanded)
- VII. **Physiological stress and innate immune response in gilthead sea bream (*Sparus aurata*) and sea bass (*Dicentrarchus labrax*) exposed to combination of trimethoprim and sulfamethoxazole (TMP-SMX)**  
Yildiz H., Altunay S.  
Fish Physiology and Biochemistry, vol.37, no.3, pp.401-409, 2011 (SCI-Expanded)
- VIII. **Physiological stress responses of sea bass (*Dicentrarchus labrax*) to hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) exposure**  
Roque A., Yildiz H., Carazo I., Duncan N.  
Aquaculture, vol.304, no.1-4, pp.104-107, 2010 (SCI-Expanded)
- IX. **Is prophylactic formalin exposure a stress source for gilthead sea bream (*Sparus aurata*) and sea bass (*Dicentrarchus labrax*)? Profilaktik amaçla formaline maruz bırakma çipura (*Sparus aurata*) ve levrek (*Dicentrarchus labrax*) için stres kaynağı mıdır?**

Yavuzcan Yildiz H., ERGÖNÜL M. B.

Ankara Universitesi Veteriner Fakultesi Dergisi, vol.57, no.2, pp.113-118, 2010 (SCI-Expanded)

- X. **Histopathological and electron microscopical evaluation of pox disease in carp (*Cyprinus carpio* L.)**  
Yardimci B., SEÇER F. S., YAVUZCAN H.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.56, no.1, pp.43-45, 2009 (SCI-Expanded)
- XI. **Nitrite-induced methemoglobinemia in Nile tilapia, *Oreochromis niloticus***  
Yildiz H., Koksall G., Borazan G., Benli C. K.  
Journal of Applied Ichthyology, vol.22, no.5, pp.427-426, 2006 (SCI-Expanded)
- XII. **Infection with metacercariae of *Centrocestus formosanus* (Trematoda: Heterophyidae) in ornamental fish imported into Turkey**  
Yildiz H.  
Bulletin of the European Association of Fish Pathologists, vol.25, no.5, pp.244-246, 2005 (SCI-Expanded)
- XIII. **Alteration of renal tissue in Nile tilapia, *oreochromis niloticus*, after transfer to saline water**  
Benli A., Yildiz H.  
Israeli Journal of Aquaculture - Bamidgeh, vol.56, no.4, pp.286-289, 2004 (SCI-Expanded)
- XIV. **Blood parameters in Nile tilapia (*Oreochromis niloticus* L.) spontaneously infected with *Edwardsiella tarda***  
Benli A., Yildiz H.  
Aquaculture Research, vol.35, no.14, pp.1388-1390, 2004 (SCI-Expanded)
- XV. **Physiological response of the crayfish, *Astacus leptodactylus* to saline water**  
Yildiz H., Koksall G., Benli A.  
Crustaceana, vol.77, no.10, pp.1271-1276, 2004 (SCI-Expanded)
- XVI. **Nitrite toxicity to crayfish, *Astacus leptodactylus*, the effects of sublethal nitrite exposure on hemolymph nitrite, total hemocyte counts, and hemolymph glucose**  
Yildiz H., Benli A.  
Ecotoxicology and Environmental Safety, vol.59, no.3, pp.370-375, 2004 (SCI-Expanded)
- XVII. **Haemocyte classification and differential counts in the freshwater crab, *Potamon fluviatilis***  
Yildiz H., Atar H. H.  
Turkish Journal of Veterinary and Animal Sciences, vol.26, no.2, pp.403-406, 2002 (SCI-Expanded)
- XVIII. **A report on spontaneous diseases in the culture of grass carp (*Ctenopharyngodon idella* Val. 1844), Turkey**  
Uzbilek M., Yildiz H.  
Turkish Journal of Veterinary and Animal Sciences, vol.26, no.2, pp.407-410, 2002 (SCI-Expanded)
- XIX. **The evaluation of secondary stress response of grass carp (*Ctenopharyngodon idella*, Val. 1844) after exposing to the saline water**  
Yavuzcan-Yildiz H., Kirkagac-Uzbilek M.  
Fish Physiology and Biochemistry, vol.25, no.4, pp.287-290, 2001 (SCI-Expanded)
- XX. **Evaluation of the secondary stress response in healthy Nile tilapia (*Oreochromis niloticus* L.) after treatment with a mixture of formalin, malachite green and methylene blue**  
Yildiz H., Pulatsu S.  
Aquaculture Research, vol.30, no.5, pp.379-383, 1999 (SCI-Expanded)
- XXI. **The effects of chicken manure on benthic productivity in carp ponds Sazan havuzlarında piliç gübresinin bentik fauna verimliliğine etkisi**  
Köksal G., Yildiz H., KIRKAĞAÇ M.  
Turkish Journal of Zoology, vol.21, no.4, pp.509-515, 1997 (SCI-Expanded)
- XXII. **Baseline haematological and serological parameters of healthy Nile tilapia *Oreochromis niloticus* L**  
Yavuzcan H., Pulatsu S., Kurtoğlu F.  
ANIMAL SCIENCE PAPERS AND REPORTS, vol.15, pp.213-217, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Validity of Visible Ectoparasite Intensity As a Non-invasive Biomarker for Fish welfare: Parasitic Copepod, *Lernantropus kroyeri* in Sea Bass As an Example**  
YAVUZCAN H.  
Aquatic Science and Engineering, vol.39, pp.30-35, 2024 (ESCI)
- II. **Towards zero waste: Sustainable waste management in aquaculture**  
YAVUZCAN H., PULATSÜ S.  
SU URUNLERI DERGISI, vol.39, no.4, pp.341-348, 2022 (ESCI)
- III. **Interactions Between Economy and Fish Welfare in Aquaponics Systems**  
YAVUZCAN H., BEKCAN S.  
Mediterranean Fisheries and Aquaculture Research, vol.2, no.1, pp.27-38, 2019 (Peer-Reviewed Journal)
- IV. **Cytotoxic Activity of Solvent Extracts of Detrital *Zostera* spp. Leaves Collected from West Coast of Turkey**  
YAVUZCAN H., BAHADIR ACIKARA Ö., ERYILMAZ M., ÖZBİLGİN S., ERGENE ÖZ B., SALTAN H. G.  
International Journal of Innovative Studies in Aquatic Biology and Fisheries, vol.5, no.1, pp.7-11, 2019 (Peer-Reviewed Journal)
- V. **Digenetic *Centrocestus* Sp. *Metacercariae* (Trematoda: Heterophyidae) Were Detected on Two Freshwater Ornamental Fish Species Imported Into Turkey: Disease Profile and Risk**  
Taner G. S., Yildiz H.  
AQUATIC SCIENCES AND ENGINEERING, vol.33, no.3, pp.106-109, 2018 (ESCI)
- VI. **Role of stocking density of tilapia (*Oreochromis aureus*) on fish growth, water quality and tomato (*Solanum lycopersicum*) plant biomass in the aquaponic system**  
YAVUZCAN H., BEKCAN S.  
International Journal of Environment, Agriculture and Biotechnology, vol.2, no.6, pp.2819-2824, 2017 (Peer-Reviewed Journal)
- VII. **Formation of Bacteria (*Rhizobium* spp) in the Roots of Bean Plants Grown in Aquaponics System**  
BEKCAN S., ATAR H. H., YAVUZCAN H.  
Journal of Applied Biological Sciences, vol.11, no.2, pp.35-38, 2017 (Peer-Reviewed Journal)
- VIII. **The Survival Rate of Rainbow Trout (*Oncorhynchus mykiss*, Walbaum) at the Stages of Eyed Eggs, Larvae and Fry in Tetraploid Applications (Ululararası sunum yapılmıştır)**  
Bekcan S., Atar H. H., Yavuzcan H.  
Journal of Applied Biological Sciences, vol.10, no.3, pp.23-26, 2016 (Peer-Reviewed Journal)
- IX. **The survival rate of rainbow trout (*Oncorhynchus mykiss*, Walbaum) at the stages of eyed eggs, larvae and fry in tetraploid applications**  
Bekcan S., YAVUZCAN H.  
Journal of Applied Biological Sciences, vol.10, no.3, pp.20-23, 2016 (Scopus)
- X. **EFFECTS OF SUBLETHAL NITRITE AND AMMONIA IN *OREOCHROMIS NILOTICUS* L. INFECTED WITH *EDWARDSIELLA TARDA***  
SEÇER F. S., YAVUZCAN H.  
Science and technologies, vol.6, no.5, pp.76-83, 2016 (Peer-Reviewed Journal)
- XI. **DETERMINING THE PLASMA LYSOZYME ACTIVITY IN *OREOCHROMIS NILOTICUS* L. INFECTED BY *Lactococcus garvieae***  
SEÇER F. S., YAVUZCAN H.  
BULGARIAN JOURNAL OF VETERINARY MEDICINE, vol.16, no.1, pp.209-215, 2013 (Scopus)
- XII. **Balık Sağlığı ve İmmunostimulanların Kullanımı**  
ERGÖNÜL M. B., YAVUZCAN H., ALTINDAĞ A.  
Journal of FisheriesSciences.com, vol.6, pp.188-202, 2012 (Peer-Reviewed Journal)
- XIII. **Ankara Üniversitesi Ziraat Fakültesi Öğrencilerinin Su Ürünleri Tüketim Alışkanlıklarının Değerlendirilmesi**  
Yavuzcan H., Atar H. H., Ayvaz Z.

- Ziraat Mühendisliği, vol.1, no.354, pp.10-15, 2010 (Peer-Reviewed Journal)
- XIV. **Fresh Water Hatcheries Raising Rainbows in Turkey**  
YAVUZCAN H., MERİÇ İ., DOĞANKAYA L.  
Hatchery International, vol.6, no.3, pp.25-29, 2005 (Non Peer-Reviewed Journal)
- XV. **Marine Fish Hatcheries in Turkey**  
YAVUZCAN H., MERİÇ İ., DOĞANKAYA L.  
Hatchery International, vol.6, no.2, pp.13-15, 2005 (Non Peer-Reviewed Journal)
- XVI. **Tatlısu Yengecinin Potamon fluviatilis Hemosit Sayılarına Üç Farklı İnektisidin Etkilerinin Karşılaştırılması**  
Atar H. H., Yavuzcan H., Bekcan S.  
EĞİRDİR SU ÜRÜNLERİ FAKÜLTESİ DERGİSİ, vol.1, no.9, pp.40-42, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Overview of projected climate change impacts on aquaculture, with particular emphasis on mitigation strategy for the Turkish aquaculture sector**  
YAVUZCAN H., GANIOĞLU B.  
in: MARINE AQUACULTURE IN TURKEY: ADVANCEMENTS AND MANAGEMENT, DENİZ ÇOBAN, DİDEM DEMİRCAN, DİDEM TOSUN, Editor, TÜDAV, İstanbul, pp.376-401, 2020
- II. **Insight into Risks in Aquatic Animal Health in Aquaponics**  
YAVUZCAN H.  
in: Aquaponics Food Production Systems, Vladimir Radosavjlevic, Giuliana Parisi, Alexander Cvetkovikj, Editor, Springer, nature, pp.435-452, 2019
- III. **Aquaponics as an Educational Tool**  
YAVUZCAN H.  
in: Aquaponics Food Production Systems, Ranka Junge, Tsaja Bulc, Dieter Anseeuw, Sarah Milliken, Editor, Springer, nature, pp.561-595, 2019
- IV. **Stress and Fish Health: towards an understanding of allostatic load**  
YAVUZCAN H., SEÇER F. S.  
in: Trends in Fisheries and Aquatic Animal Health, Dr. Panagiotis Berillis, Editor, Bentham Science Publishers LTD, New York, pp.133-154, 2017
- V. **Stress and Fish Health: Towards an Understanding of Allostatic Load**  
YAVUZCAN H., SEÇER F. S.  
in: Trends in Fisheries and Aquatic Animal Health, Panagiotis Berillis, Editor, BENTHAM, New York, pp.133-154, 2017
- VI. **Su Ürünleri Bilgisi**  
YAVUZCAN H., Doğan A.  
Ankara Üniversitesi, Ankara, 2016
- VII. **Ankara'da Tarım ve Hayvancılık (Ankara Keçisi)**  
ÜNAL N., Çiftçi C. Y., BENLİOĞLU B., KÖROĞLU A., YAVUZCAN H., TOPÇU A., BAŞAĞAÇ GÜL R. T., ARAL Y., ÇEVİRİMLİ M. B., ARIKAN M. S., et al.  
in: Cumhuriyetin 90 Yılında Başkent Ankara ve Ankara Üniversitesi, Prof. Dr. Temuçin Faik ERTAN, Editor, Ankara Üniversitesi Basımevi, Ankara, pp.241-256, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Introduction of Brown Shrimp as a Nonindigenous Species into the Mediterranean and its Culture Practices**  
Kaya D., Genç E., Genç M. A., Keskin E., Yavuzcan H., Aktaş M.

7th International Congress of Fisheries and Aquatic Research, Karaj, Iran, 24 December 2023

- II. **Fish disease problems in recirculating aquaculture systems (RAS)**  
HARMANŞA YILMAZ B., YAVUZCAN H.  
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 November 2022
- III. **Balık parazitlerinin ülkeler arası yolculuğu**  
HARMANŞA YILMAZ B., YAVUZCAN H.  
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 November 2022
- IV. **WHAT HAPPENED OVER THE LAST 10 YEARS (2012 to 2021): A BIBLIOMETRIC ANALYSIS OF FISH WELFARE RESEARCH IN EUROPEAN SEA BASS (*Dicentrarchus labrax*)**  
YAVUZCAN H., Kokokiris L.  
EUROPEAN AQUACULTURE SOCIETY, Rimini, Italy, 26 September 2022, vol.1, pp.448-451
- V. **Responsible and sustainable aquaculture practices: Current trends and prospects**  
Hersi M. A., KAYA D., HARMANŞA YILMAZ B., Gürler A., GENÇ E., YAVUZCAN H.  
8th International Agriculture Congress, Ankara, Turkey, 26 October 2022, vol.1, pp.33
- VI. **In Vitro Antiparasitic Effects of Some Herbal Extracts on Ciliata, Cryptocaryon irritans Theronts**  
HARMANŞA YILMAZ B., SEÇER F. S., TUNAR M. A., YAVUZCAN H.  
Aquaculture Europe 2022 - International Conference & Exposition, Rimini, Italy, 27 September 2022
- VII. **Drivers of seafood consumption: Awareness and attitudes of dieticians towards seafood**  
YAVUZCAN H., Kokokiris L., Doulgeraki S., Posnakidou G.  
1st International Conference of Nutritional Sciences&Dietetics, Selanik, Greece, 27 May 2022
- VIII. **Farmed versus wild fish fillets: What are the differences?**  
YAVUZCAN H.  
1st International Conference of Nutritional Sciences&Dietetics, Selanik, Greece, 27 May 2022, vol.1
- IX. **POTENTIAL ANTIMICROBIAL ACTIVITY OF CHASTEBERRY (*VITEX FRUIT*) and GINGER PLANT LIQUID EXTRACTS AGAINST *Vibrio anguillarum***  
SEÇER F. S., ÜRKÜ ATANASOV Ç., Tunar M. A., YAVUZCAN H.  
Scientific conference with international participation "Agricultural sciences and business", Stara Zagora, Bulgaria, 26 - 27 May 2022
- X. **Novel Technologies in The Diagnosis of Bacterial Fish Diseases**  
Tunar M. A., SEÇER F. S., YAVUZCAN H.  
Scientific conference with international participation "Agricultural sciences and business", Stara Zagora, Bulgaria, 26 - 27 May 2022
- XI. **A note on *Thaparocleidus caecus* (Monogenea: Dactylogyridae) detected with morphological and molecular tools in *Pangasianodon hypophthalmus* imported into Turkey**  
Taner G. Ş., KESKİN E., YAVUZCAN H.  
AQUABIOTECH 2021 2nd Aquatic Biotechnology Symposium, İstanbul, Turkey, 13 October 2021, vol.1, pp.1-5
- XII. **SU ÜRÜNLERİ YETİŞTİRİCİLİĞİNDE ve AVCILIĞINDA MEVCUT DURUM ve GELECEK**  
Yavuzcan H., Atar H. H., Pulatsü S.  
Türkiye Ziraat Mühendisliği IX. Teknik Kongresi, Ankara, Turkey, 13 - 17 January 2020, vol.2, pp.299-321
- XIII. **A Note on The Microbial Load in One-Loop Aquaponics System producing Carp, *Cyprinus carpio* and Mint, *Mentha spp.***  
YAVUZCAN H., BEKCAN S., ATAR H. H.  
5th International Agricultural Congress, İstanbul, Turkey, 21 - 24 August 2019, vol.1, pp.103-104
- XIV. **MINERAL NUTRIENT CONTENT OF TOMATO PLANTS IN THE AQUAPONICS SYSTEM AS AFFECTED BY THE FISH DENSITY**  
BEKCAN S., İNAL A., KAYA E. C., YAVUZCAN H.  
ASPA 23rd Congress 2019, SORRENTO, Italy, 11 - 14 June 2019, vol.18, pp.1-239
- XV. **Inactivation of Fish Pathogen, *Lactococcus garvieae* by Carbon Nanotubes**  
YAVUZCAN H., Van Phan Q., SÖZÜDOĞRU OK S., ABDELBAĞİ Ö.  
FABA2018, 21 - 23 November 2018
- XVI. **Do Plant Extracts Inhibit *Lactococcus garvieae* Growth In Vitro?**

- YAVUZCAN H., Van Phan Q.  
FABA2018, 21 - 23 November 2018
- XVII. **Ectoparasites of Sea Bass and Sea Bream Mariculture in Turkey**  
YAVUZCAN H., Otgucuoglu Ö.  
FABA2018, 21 - 23 November 2018
- XVIII. **Aquaculture Sustainability**  
ATAR H. H., YAVUZCAN H., BEKCAN S.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XIX. **Blood Cells in Fish as Biomarker for Early-Warning Tool for the Environmental Pollutants**  
YAVUZCAN H., BEKCAN S., ATAR H. H.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XX. **Mushroom Cultivation Facilities in Aquaponics System**  
BEKCAN S., ATAR H. H., YAVUZCAN H.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XXI. **Hazard Assessment of Commonly Used Aquacultural Antibiotics on Aquatic Systems**  
YAVUZCAN H., Van Phan Q.  
The Int Symposium on Food Security and Sustainable Development 2017, 22 - 24 November 2017
- XXII. **Potential Antimicrobial Activities of sea grass, *Zostera spp* from Aegean Sea against *Edwardsiella tarda* ATcc 15947**  
YAVUZCAN H., SEÇER F. S., ERYILMAZ M., ÖZBİLGİN S., ERGENE ÖZ B., BAHADIR ACIKARA Ö., SALTAN H. G.  
Veterinary Medicine in Service of People, 6 - 07 October 2017
- XXIII. **Potential antimicrobial activities of seagrasses, *Zostera spp.* from Aegean Sea against *Edwardsiella tarda* ATCC 15947**  
YAVUZCAN H., SEÇER F. S., ERYILMAZ M., ÖZBİLGİN S., ERGENE ÖZ B., TEKİN H. C., SALTAN H. G.  
Veterinary medicine in service of people, 6 - 07 October 2017
- XXIV. **EFFECTS OF SUBLETHAL AMMONIA ON SOME HEMATOLOGICAL AND IMMUNOLOGICAL PARAMETERS IN NILE TILAPIA (*OREOCHROMIS NILOTICUS* L.) EXPERIMENTALLY INFECTED WITH EDWARDSIELLA TARDA**  
SEÇER F. S., YAVUZCAN H.  
PROMARE 2017, Herceg Novi, Montenegro, 7 - 09 September 2017
- XXV. **RAS (Recirculating aquaculture systems) or Aquaponic? The future of aquaculture**  
ATAR H. H., YAVUZCAN H.  
3th International Congress on Veterinary and Animal Science, 14 - 18 August 2017
- XXVI. **Fish Health and Aquaponics**  
YAVUZCAN H., ATAR H. H., BEKCAN S.  
3th International Congress on Veterinary and Animal Science, 14 - 18 August 2017
- XXVII. **Potential antimicrobial activities of *Zostera ssp.* from Aegean sea against *Edwardsiella tarda***  
YAVUZCAN H., SEÇER F. S., ERYILMAZ M., ÖZBİLGİN S., ERGENE ÖZ B., Tekin C., SALTAN H. G.  
International Scientific Conference, 6 - 07 July 2017
- XXVIII. **EFFECTS OF SUBLETHAL NITRITE ON PARAMETERS IN *Oreochromis niloticus* L. INFECTED WITH *Edwardsiella tarda***  
SEÇER F. S., YAVUZCAN H.  
INTERNATIONAL SYMPOSIUM ON ANIMAL SCIENCE (ISAS) 2017, 5 - 10 June 2017
- XXIX. **Potential antimicrobial activities of seagrasses *Zostera spp* from aegean sea against *vibrio alginolyticus* ATCC 17749**  
YAVUZCAN H., ERYILMAZ M., BAHADIR ACIKARA Ö., ÖZBİLGİN S., ERGENE ÖZ B., SALTAN H. G.  
2nd International Congress on Applied Ichthyology & Aquatic Environment, 10 - 12 November 2016
- XXX. **Stress response and gill tissue alteration of gilthead sea bream following to high ammonia exposure**  
YAVUZCAN H., KARASU BENLİ A. Ç., ERGÖNÜL M. B.  
Aquaculture Europe 2007, Competing Claims, İstanbul, Turkey, 24 - 27 October 2007
- XXXI. **Stress responses of Siberian sturgeon *Acipenser baerii* to sublethal nitrite exposure**



altunay s., YAVUZCAN H., ERGÖNÜL M. B.

HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan., 10 - 12 November 2016

- XXXII. **Alterations in thrombocyte counts and clotting time of Tench Tinca Tinca after Chronic Zinc Exposure**  
ERGÖNÜL M. B., YAVUZCAN H., ATASAĞUN S.  
."HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan., 10 - 12 November 2016
- XXXIII. **The Effect of Different Pressure Shocks and Heat Shocks on The Early Life Stages of Tetraploid Rainbow Trout *Oncorhynchus mykiss* Walbaum**  
Bekcan S., Atar H. H., Yavuzcan H.  
International Congress on Natural and Engineering Science, Sarajevo, Bosnia And Herzegovina, 9 - 13 September 2015
- XXXIV. **Su Ürünleri Üretim ve Tüketim Projeksiyonları**  
YAVUZCAN H., KORKMAZ A. Ş., DOĞANKAYA L., ALTAN Ö.  
Türkiye Ziraat Mühendisliği VIII. Teknik Kongresi, Ankara, Turkey, 12 - 16 January 2015, vol.2, pp.931-942
- XXXV. **Determining the plasma lysozyme activity in *oreochromis niloticus* L. infected by *Lactococcus garvieae***  
SEÇER F. S., YAVUZCAN H.  
International Scientific Conference "90th Years Faculty of Veterinary Medicine in Bulgaria", 30 - 31 May 2013
- XXXVI. **Ankara İli Akvaryum İşletmelerinden Temin Edilen *Procambarus clarkii* Girard 1852 Crustacea Decapoda den Döl Alınması Avantaj ve Dezavantajları**  
SEÇER F. S., GENÇ E., DOĞANKAYA L., YAVUZCAN H.  
FABA (Fisheries and Aquatic Sciences) – 2012 Sempozyumu, Turkey, 21 - 24 November 2012
- XXXVII. **Ankara İli Akvaryum İşletmelerinden Temin Edilen *Procambarus clarkii* (Girard, 1852) (Crustacea: Decapoda)'den Döl alınması: Avantaj ve Dezavantajları.**  
SEÇER F. S., GENÇ E., Doğankaya L., Yavuzcan H., Kaynar T., Çoşkun T.  
FABA 2012, 21 - 24 November 2012
- XXXVIII. **Türkiye'xxde Sürdürülebilir Su ürünleri yetiştiriciliği**  
YAVUZCAN H., PULATSÜ S., DEMİR A. N., KIRKAĞAÇ M., BEKCAN S., BAŞÇINAR N.  
TMMOB Ziraat Mühendisliği VII Teknik Kongresi, Turkey, 11 - 15 January 2010, vol.2, pp.767-789
- XXXIX. **Türkiye de Sürdürülebilir Su Ürünleri Yetiştiriciliği**  
Yavuzcan H., Pulatsü S., Demir A. N., Kırkağaç M., Bekcan S., Topçu A., Doğankaya L., Başçınar N.  
TMMOB Ziraat Mühendisliği VII. Teknik Kongresi, Ankara, Turkey, 11 - 12 January 2010, vol.2
- XL. **Sürdülebilir su ürünleri yetiştiriciliği**  
YAVUZCAN H.  
Ziraat Mühendisliği Teknik kongresi, Turkey, 10 - 15 January 2010
- XLI. **Gökkuşluğu Alabalıklarında *Oncorhynchus mykiss* Bazı Kan Parametrelerinin Referans Değerleri**  
YAVUZCAN H., MERİÇ TURGUT İ., ERGÖNÜL M. B., KESKİN E.  
1. Ulusal Alabalık Sempozyumu, Isparta, Turkey, 14 - 16 October 2008, vol.1, pp.60
- XLII. **Evaluation of Innate Immune Parameters in Rainbow Trout *Oncorhynchus mykiss* After Exposure To Malachite Green and Leteux Meyer Mixture**  
YAVUZCAN H., MERİÇ TURGUT İ.  
The 1st International Workshop on the Aquatic Toxicology and Biomonitoring, VODNANY, Czech Republic, 27 - 29 August 2008, vol.1, pp.73
- XLIII. **Characterisation of Plasma Chemistry and Mucus Lysozyme Activity for Tench tinca tinca L 1758 Exposed to Leteux Meyer Mixture**  
YAVUZCAN H., MERİÇ TURGUT İ., ERGÖNÜL M. B.  
Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 October 2007, vol.1, pp.358-359
- XLIV. **Characterisation of plasma chemistry for tench Tinca tinca L 1758 exposed to Leteux Mayer mixture**  
YAVUZCAN H., MERİÇ İ., ERGÖNÜL M. B.

Aquaculture Europe, İstanbul, Turkey, 24 - 27 October 2007

- XLV. **Does Short term Exposure of Leteux Meyer Mixture Affect the Plasma Lysozyme of Rainbow Trout *Oncorhynchus mykiss***  
YAVUZCAN H., MERİÇ TURGUT İ.  
Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 October 2007, vol.1, pp.360-361
- XLVI. **Gökkuşluğu alabalıklarında *Oncorhynchus mykiss* bazı kan parametrelerinin referans değerleri**  
YAVUZCAN H., MERİÇ İ., ERGÖNÜL M. B., KESKİN E.  
1. Ulusal Alabalık Sempozyumu, Isparta, Turkey, 14 October 2008 - 16 October 2007
- XLVII. **Histopathology and some blood characteristics of carp (*Cyprinus carpio*) after sublethal exposure to fenitrothion**  
GÜNAL A. Ç., YAVUZCAN H., SELVİ M., SARIKAYA R., ERKOÇ F., ÖZKUL A.  
Aquaculture Europe 2007, 24 - 27 September 2007
- XLVIII. **Stress response and gill tissue alteration of gilthead sea bream (*Sparus auratus*) following to high ammonia exposure**  
GÜNAL A. Ç., YAVUZCAN H., SEPİCİ DİNÇEL A., ERGÖNÜL M. B., SERT S. C.  
Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 September 2007
- XLIX. **Crayfish in Turkey: Past and Present Situation.**  
KÖKSAL G., YAVUZCAN H., ZENCİR Ö.  
Craynet Final Conference. Florence, Italy, 5 - 07 May 2005
- L. **Su Ürünleri Üretimi Avcılık ve Politikalar**  
Seçer S., Korkmaz A. Ş., Yavuzcan H., Atar H. H., Pulatsü S.  
TMMOB Ziraat Mühendisliği VI. Teknik Kongresi, Ankara, Turkey, 10 - 11 January 2005, vol.2, pp.773-791
- LI. **Blood Parameters in Siberian Sturgeon *Acipenser baeri* Yearlings Fed on Rainbow Trout diet with particular reference to skeletal deformity**  
KÖKSAL G., YAVUZCAN H., RAT F., AYDIN F., UYSAL H.  
European Association of Fish Pathologists (EAFP) 9th International Conference on Diseases of Fish and Shellfish, Rodos, Greece, 19 - 24 September 1999

## Expert Reports

- I. **2015 2 DENİZ BİLİMLERİ PANELİ**  
YAVUZCAN H.  
2015
- II. **2015 1 1000 PROGRAMI DENİZ BİLİMLERİ VE TEKNOLOJİLERİ PANELİ**  
YAVUZCAN H.  
2015
- III. **3140750 BALIK SİLAJI ÜRETİMİ VE ÜRÜNÜN BALIK UNU YERİNE AĞ KAFESLERDE LEVREK YETİŞTİRİCİLİĞİNDE KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI** başlıklı projenin 2015 1 dönem Ar Ge Yardımı İstek Formu projenin dönemsel değerlendirilmesi  
YAVUZCAN H.  
2015
- IV. **TOVAG DIŞ HAKEM**  
YAVUZCAN H.  
2015
- V. **Değerlendirmeniz için tarafınıza gönderilen 3150403 numaralı ERKEN DÖNEM VE ANAÇ BALIK YEMLERİNİN SICAK VE SOĞUK EKSTRUZYON TEKNOLOJİLERİNİN GELİŞTİRİLMESİ VE ÖZEL MİKRONİZE YEM OLUŞTURMA YÖNTEMLERİ DENEMELERİ** başlıklı projenin değerlendirme raporu  
YAVUZCAN H.  
2015
- VI. **2015 1 DENİZ İÇSU PANELİ**

YAVUZCAN H.

2015

- VII. **3140750 BALIK SİLAJI ÜRETİMİ VE ÜRÜNÜN BALIK UNU YERİNE AĞ KAFESLERDE LEVREK YETİŞTİRİCİLİĞİNDE KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI** başlıklı projenin 2 dönem projenin dönemsel değerlendirilmesi

YAVUZCAN H.

2015

- VIII. **GÖKKUŞAĞI ALABALIĞI YEMLERİNE FARKLI ORANLARDA İLAVE EDİLEN C VİTAMİNİNİN YEMDEKİ KALICILIĞININ VE YETİŞTİRİCİLİK PERİYODU BOYUNCA STRES ETKENLERİ ÜZERİNE ETKİSİNİN ARAŞTIRILMASI** başlıklı projenin değerlendirme raporu

YAVUZCAN H.

2015

- IX. **Makale Hakemliği ÇELİK GÖLÜ ADIYAMAN TÜRKİYE NDEKİ YAYIN Silurus glanis LINNAEUS 1758 BALIĞININ HEMATOLOJİK PARAMETRELERİ ÜZERİNE ÜREMENİN ETKİSİ**

YAVUZCAN H.

2015

## Supported Projects

Yavuzcan H., TÜBİTAK - AB COST Project, Lifting farm animal lives – laying the foundations for positive animal welfare (LIFT), 2022 - 2026

Genç E., Genç M. A., Yavuzcan H., Aktaş M., Kaya D., Keskin E., TUBİTAK Project, Biyoyumak Teknolojisi Kullanılarak Kahverengi Karidesin (*Farfantepenaeus aztecus*) Yetiştiricilik Performansının Değerlendirilmesi: Yemdeki Proteinin Azaltılması, Mannan Oligosakkarit İlavesi ve Stok Oranlarının Etkileri, 2021 - 2024

Yavuzcan H., Horizon Europe Project, Welfare Index Modeling of Sea Bass and Sea Bream., 2018 - 2020

Yavuzcan H., Saltan İşcan H. G., Bahadır Acıkara Ö., Eryılmaz M., TUBİTAK Project, Deniz Çayırı *Zostera spp* Ölü Ekstraktının Patojen Bakterilere Karşı Antimikrobiyal Aktivitesinin ve *Artemia* nauplilerinin Bakteriyel Yükünü Azaltmada Kullanılabilirliğinin Belirlenmesi, 2015 - 2017

YAVUZCAN H., Project Supported by Higher Education Institutions, Akvaponik Sistemde Tilapya Balığının *Oreochromis niloticus* Linnaeus 1758 Farklı Stoklama Oranlarının Toplam Balık ve Bitki Verimine Etkileri, 2014 - 2015

Atar H. H., Yavuzcan H., FP7 Project, Aquatnet 3, 2012 - 2015

Atar H. H., Yavuzcan H., FP7 Project, AquaTNET2: Aquaculture, Fisheries and Aquatic Resource Management Thematic Network in Education & Training, 2008 - 2012

Yavuzcan H., Murphy D., Christofilogianis P., Dove C., Pita C., Bostock J., Erasmus Project, Vocational Aqualabs , 2009 - 2011

Yavuzcan H., Erasmus Project, Harmonisation of Diagnostic Techniques and Disseminating the Information for Fish Diseases Control in Aquaculture Education Leonardo da Vinci Mobility, 2008 - 2008

Köksal G., Yavuzcan H., Kırkağaç M., Project Supported by Higher Education Institutions, Sazan Havuzlarında Piliç Gübresinin Zooplankton Verimliliğine Etkisi, 1992 - 1993

## Patent

Yavuzcan H., Bitkisel bazlı balık yem katkısı, Patent, CHAPTER A Human Needs, The Invention Recourse Number: E-39616753-110-220366277 , Standard Registration, 2022

## Activities in Scientific Journals

ECOCYCLES, Committee Member, 2020 - Continues

## **Scientific Refereeing**

INTERNATIONAL AQUATIC RESEARCH, Journal Indexed in ESCI, April 2024

Aquatic Research, National Scientific Refreed Journal, March 2024

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul University, Turkey, February 2024

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, November 2023

JOURNAL OF FISH BIOLOGY, SCI Journal, September 2023

Scientific Publication, BİLİRKİŞİ KURULU, Kastamonu University, Turkey, April 2022

## **Scientific Consultations**

AVRUPA BIRLIGI, Scientific Consultancy, Ankara University, Ziraat Fakültesi, Su Ürünleri Mühendisliği Bölümü, Turkey, 2023 - 2023

## **Mobility Activity**

Other, Workshop, University of Crete, Greece, 2023 - 2023

Other, Seminar, ITALIAN CONGRESSIUM, Italy, 2022 - 2022

## **Metrics**

Publication: 132

Citation (WoS): 752

Citation (Scopus): 768

H-Index (WoS): 13

H-Index (Scopus): 12

## **Congress and Symposium Activities**

MERSİN BALIĞI ÇALIŞTAYI, Audience, Sinop, Turkey, 2024

## **Invited Talks**

FARMED FISH VS WILD FISH, Conference, INTERNATIONAL HELLENIC UNIVERSITY, Greece, May 2022

## **Non Academic Experience**

Mississippi State University

Munih Ludwig Maximilian University