

Prof. Dr. Hijran Yavuzcan Yıldız

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PERSONAL STATEMENT

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.

EMPLOYMENT HISTORY

02/2008 – Present

Professor Dr | Ankara University, Ankara, Turkey

- Supervises PhD students and undergraduate students
- A two-year Vice Dean position, Faculty of Agriculture, Ankara University
- Conducts scientific and social projects supported by national and international funds
- Vice Chair Position for COST (European Cooperation in Science and Technology) FA1305 (EU Aquaponics Hub: Realising Sustainable Integrated Fish and Vegetable Production for the EU)
- Principle Investigator for the Scientific projects supported by TUBITAK (Turkish Scientific and Technical Council) and University funds

06/2002 – 02/2008

Assoc. Professor Dr | Ankara University, Ankara, Turkey

- Principle Investigator for the Scientific project supported by TUBITAK (Turkish Scientific and Technical Council)
- Project Coordinator for EU funded projects (Life Long Learning Programmes by EC)
- Successfully managed the projects, budget, team and equipment
- Supervises PhD students and undergraduate students

01/2000 – 06/2002

Assis. Professor Dr | Ankara University, Ankara, Turkey

- Supervises PhD students and undergraduate students
- Principle Investigator for the Scientific projects supported by TUBITAK (Turkish Scientific and Technical Council) and University Research Funds

08/1997 – 02/2000

Dr | Ankara University, Ankara, Turkey

- Post-doc researcher

06/1989 – 08/1997

Research Assistant | Ankara University, Ankara, Turkey

- MSc Thesis
- PhD thesis completion **10/1998 – 02/2000**

Research Fellow | Ludwig Maximilian University, Munich, Germany

- Secured this position after PhD. Involved researching in the Institute of Fisheries Biology and Fish Diseases

8/2008– 10/2008

Research Fellow | IRTA (Institute of Research & Technology, Food & Agriculture) Barcelona, Spain

- Short-term scientific mission. Involved collaborative scientific experiments.

06/2011 – 08/2011

Research Fellow | Mississippi State University, Starkville, USA

- Secured this position during Professorship. Involved researching in the Faculty of Veterinary Medicine

06/1989 – ----

Academic Tutor

Ankara University, Ankara, Turkey

- Gave tutorials on Aquaculture, Biosecurity in Aquaculture, Fish Physiology and Diseases, Sustainable Food Production,

EDUCATION

09/1992– 08/1997

Ankara University | Ankara, Turkey

PhD: Aquaculture and Fish Health for Optimal Fish Production

Supervisor: Professor Fikri AYDIN

Thesis Title: Determining the phagocytic capacity of neutrophils in carp

09/1988 – 08/1992

Ankara University | Ankara, Turkey

MSc: Graduate School of Natural and Applied Sciences, Department of Aquaculture

Thesis Title: The exploitation of frog population in Central Anatolia

09/1984 – 06/1988

Ankara University | Ankara, Turkey

BSc: Faculty of Agriculture, Department of Fisheries and Aquaculture Engineering

PROFESSIONAL ACTIVITIES

PROJECTS

National Projects

Project Leader/researcher: Potential Use of Cytotoxic Activity of *Zostera spp* Secondary Metabolites to Control Fish Diseases: Determining in vitro anti-parasitic crustacean capacity, supported by TUBITAK (currently active project)

Project Leader/researcher: Determining the antibacterial activity of extracts of sea grass (*Zostera spp.*) dead leaves against bacterial pathogens and the usability in decreasing of bacterial load of *Artemia nauplii*, supported by TUBITAK

Project Leader/researcher: The Role of Stocking Density on Fish (*Oreochromis niloticus*, Linnaeus, 1758) Growth and Tomato Productivity in the Aquaponics, supported by University Research Fund.

Project Leader/researcher: Physiological response of sea bass and sea bream against antimicrobial treatments in sea cages, supported by TUBITAK

Project Leader/researcher: Non-specific immune response of rainbow trout against antimicrobial treatments, supported by University Research Fund

Project Leader/researcher: The pathogenicity of *Aphanomyces astaci* in crayfish *Astacus leptodactylus* Esch.), supported by TUBITAK

Project Leader/researcher: The pathogenicity of Aphanomyces astaci in crayfish Astacus leptodactylus Esch.) and hemolymph calcium, supported by University Research Fund

Project researcher: Bacterial diseases; identification and Treatment in sea caged sea bream and sea bass, supported by State Planning Institute of Turkey

Project researcher: The effects of manuring on carp health in relation to optimal production, supported by University Research Fund

Project researcher: The effects of manuring on benthos in carp ponds: in relation to optimal production, supported by University Research Fund

Project researcher: The phagocytic ability of neutrophils in carp, supported by University Research Fund

Project researcher: The exploitation of frog population in Central Anatolia , supported by University Research Fund

International Projects

Researcher/Coordinator: Welfare Index Modeling of Sea Bass and Sea Bream. AQUAEXCEL2020 under Horizon2010 (currently active project)

Researcher/Vice Chair: The EU Aquaponics Hub: Realising Sustainable Integrated Fish and Vegetable Production for the EU, supported by European Science Foundation

Project Leader/researcher: The Effects of The Different Stocking Rates of Tilapia (Oreochromis niloticus Linnaeus, 1758) on Total Yield of Fish and Vegetal Crop (tomato) in Aquaponic System

Project Coordinator: Vocational Aqualabs (TRANSFER OF INNOVATION PROJECT IN LEONARDO PROGRAMMES), supported by EC

Partner/researcher: AQUATNET 2.Socrates Thematic Network for Aquaculture, Fisheries and Aquatic Resource Management (LLP), supported by EC

Partner/researcher: WELLFISH, supported by European Science Foundation

Project Partner/researcher: Erasmus+ KA2. E-FishNet (2016-1-ES01-KA204-025292)

ACADEMIC TUTORING ABROAD

- *Florence University (Scienze delle Produzioni Agroalimentari e dell'Ambiente (DISPAA) Sezione Scienze Animali), 19-24/07/2010*

- *Thessaloniki University Alexander Technological Educational Institute of Thessaloniki, 12-17/09/2011*

- *Florence University (Scienze delle Produzioni Agroalimentari e dell'Ambiente (DISPAA) Sezione Scienze Animali), 23-31/10/2012*

ADMINISTRATIVE ACTIVITIES

<i>Faculty Board Member</i>	<i>Ankara University, Faculty of Agriculture</i>	<i>2001-2002</i>
<i>Erasmus Coordinator</i>	<i>Ankara University, Faculty of Agriculture</i>	<i>2005---</i>
<i>Vice Head of Department</i>	<i>Ankara University, Faculty of Agriculture, Dept of Fisheries and Aquaculture</i>	<i>2006-2009</i>
<i>Head of Department</i>	<i>Ankara University, Faculty of Agriculture, Dept of Fisheries and Aquaculture</i>	<i>2011-2014</i>
<i>Director of Research Center</i>	<i>Ankara University, Research Center of Aquaculture</i>	<i>2011-2014</i>
<i>International Students Coordinator</i>	<i>Ankara University</i>	<i>2012-2014</i>
<i>Vice Dean</i>	<i>Ankara University, Faculty of Agriculture</i>	<i>2015-2016</i>

ADDITIONAL SKILLS

- *Software: Windows and Linux operating systems; SigmaPlot statistical analysis and graphing software*
- *Management and Administration*
- *Data Collection and Analysis*
- *Teaching, Tutoring and Presenting*

PUBLICATIONS

SCI Journals and Peer-reviewed Journals

YAVUZCAN YILDIZ H, Korkmaz AŞ. Parasitic copepod (*Lernanthropus kroyeri*) on caged sea bass (*Dicentrarchus labrax*): An estimation of abundance and internal infestation pressure. J Fish Dis. 2021 Aug 27. doi: 10.1111/jfd.13504. Epub ahead of print. PMID: 34453314.

YAVUZCAN YILDIZ, H, Quyet Phan Van, Giuliana Parisi & Mai Dam Sao 2019. Anti-parasitic activity of garlic (*Allium sativum*) and onion (*Allium cepa*) juice against crustacean parasite, *Lernanthropus kroyeri*, found on European sea bass (*Dicentrarchus labrax*). Italian J. Of Animal Sci. 18:1, 833-837, DOI: 10.1080/1828051X.2019.1593058

Gulcin Saltan Iscan , Ozlem Bahadır Acikara , Mujde Eryilmaz , Serkan Ozbilgin , Burcin Ergene1, **YAVUZCAN YILDIZ, H**. 2019. Phytochemical Analysis Of Beach-Cast Seaweed, *Zostera* Spp. Collected From Izmir Coasts, Turkey And Evaluation of In Vitro Antimicrobial Activity, Fresenius Environmental Bulletin, 28 (4A), 3333-3341.

YAVUZCAN YILDIZ, H, Ozlem Bahadır Acikara , Mujde Eryilmaz , Serkan Ozbilgin , Burcin Ergene, Gulcin Saltan Iscan. 2019. Cytotoxic Activity of Solvent Extracts of Detrital *Zostera* spp. Leaves Collected from West Coast of Turkey. International Journal of Innovative Studies in Aquatic Biology and Fisheries Volume 5, Issue 1: 7-11

YAVUZCAN YILDIZ, H. 1998. Effects of Experimental Infection with *Pseudomonas fluorescens* on Different Blood Parameters in Carp (*Cyprinus carpio* L.). The Israeli Journal of Aquaculture-Bamidgeh, 50 (2): 82-85.

YAVUZCAN YILDIZ, H., PULATSÜ, S. 1999. Evaluation of the Secondary Stress Response in Healthy Nile Tilapia (*Oreochromis niloticus* L.) after Treatment with the Mixture of Formalin, Malachite Green and Methylene Blue. Aquaculture Research, 30: 379-383.

AYDIN, F., TUNCA, R., **YAVUZCAN YILDIZ, H.** and KUL, O. 2000. Nephrocalcinosis in intensively reared rainbow trout (*Oncorhynchus mykiss*). The Israeli Journal of Aquaculture-Bamidgeh, 52(3): 111-117.

YAVUZCAN YILDIZ, H. and ATAR, H. H. 2002. Haemocyte Classification and Differential Counts in the Freshwater Crab (*Potamon fluviatilis*). Turkish Journal of Veterinary and Animal Sciences, 26(2002): 403-406.

UZBİLEK KIRKAĞAÇ, M. and **YAVUZCAN YILDIZ, H.** 2002. A Report on Spontaneous Diseases in the Culture of Grass Carp (*Ctenopharyngodon idella* Val. 1944), Turkey. Turkish Journal of Veterinary and Animal Sciences, 26: 407-410.

YAVUZCAN YILDIZ, H. and UZBİLEK KIRKAĞAÇ, M. 2003. The Evaluation of Secondary Stress Response of Grass Carp (*Ctenopharyngodon idella*) After Exposing to the Saline Water. Fish Physiology and Biochemistry 25: 287-290.

YAVUZCAN YILDIZ, H., KORKMAZ, A.S. and ZENCİR, Ö. 2003. The Infection of Tench (*Tinca tinca*) with *Ligula intestinalis* Plerocercoids in Lake Beyşehir (Turkey). Bulletin of the European Association of Fish Pathologists. 23(5):223-228.

11. **YAVUZCAN YILDIZ, H.** and KARASU BENLİ, A.C. 2004. Nitrite toxicity to crayfish, *Astacus*

leptodactylus, the effects of sublethal nitrite exposure on hemolymph nitrite, total hemocyte counts and hemolymph glucose. *Ecotoxicology and Environmental Safety*, 59: 370-375.

KARASU BENLI and **YAVUZCAN YILDIZ H.** 2004. Blood parameters in Nile tilapia (*Oreochromis niloticus* L.) spontaneously infected with *Edwardsiella tarda*. *Aquaculture Research*. 35 (14): 1388-1390.

KARASU BENLI, A.C. and **YAVUZCAN YILDIZ, H.** 2004. Alteration of Renal Tissue in Nile Tilapia, *Oreochromis niloticus*, After Transfer to Saline Water. *The Israeli Journal of Aquaculture-Bamidgeh*, 56(4):286-289.

YAVUZCAN YILDIZ, H., KOKSAL, G. and KARASU BENLI, A.C. 2004. Physiological Response of the Crayfish, *Astacus leptodactylus* to Saline Water. *Crustaceana*, 77 (10):1271-1276.

YAVUZCAN YILDIZ H. 2005. Infection with metacercariae of *Centrocestus formosanus* (Trematoda: Heterophyidae) in ornamental fish into Turkey. *Bulletin of the European Association of Fish Pathologists*, 25 (5):244-246.

YAVUZCAN YILDIZ, H., KOKSAL, G., BORAZAN, G. and KARASU BENLI, A.C. 2006. Nitrite-induced methemoglobinemia in Nile tilapia, *Oreochromis niloticus*. *Journal of Applied Ichthyology*, 22: 1-3.

YAVUZCAN YILDIZ, H. 2006. Plasma Lysozyme Levels and Secondary Stress Response in Rainbow Trout, *Oncorhynchus mykiss* (Walbaum) After Exposure to Leteux-Meyer. *Turkish Journal of Veterinary and Animal Sciences*, 30:265-269.

YAVUZCAN YILDIZ, H. 2008. Reference biochemical values for three cultured Sparid fish: striped sea bream, *Lithognathus mormyrus*; common dentex, *Dentex dentex*; and gilthead sea bream, *Sparus aurata*. *Journal of Comparative Clinical Pathology*, 18:23-27.

YAVUZCAN YILDIZ, H. Meriç, İ., Ergonul, M.B. 2009. Changes of Non-Specific Immune Parameters in Rainbow Trout, *Oncorhynchus mykiss*, After Exposure to Antimicrobial Agents Used in Aquaculture. *Journal of Applied Aquaculture* 21 (3):139-150.

YAVUZCAN YILDIZ, H and ERGONUL, B. 2010. Is prophylactic formalin exposure a stress source for gilthead seabream (*Sparus aurata*) and sea bass (*Dicentrarchus labrax*)? *Ankara Univ Vet Fak Dergisi* 57: 113-118.

ROQUE, A., **YAVUZCAN YILDIZ, H.**, CARAZZIO, I and DUNCAN, N. 2010. Physiological stress responses of sea bass (*Dicentrarchus labrax*) to hydrogen peroxide (H₂O₂) exposure. *Aquaculture*, 304:104-107.

YAVUZCAN YILDIZ, H., ALTUNAY, S. 2011. 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). *Fish Physiol. & Biochemistry*. 37(3):401-9.

ELLIS, T., **YAVUZCAN YILDIZ, H.**, Jose López-Olmeda, Maria Teresa Spedicato, Lluís Tort, Øyvind Øverli and Catarina I. M. Martins. 2011. Cortisol and finfish welfare. *Fish Physiol. & Biochem.* 2011.

38(1), 163-188.

YAVUZCAN YILDIZ, H. Robaina, Lidia, Pirhonen, J.,Mente, E., Domínguez, D., Parisi, G. 2017. Fish Welfare in Aquaponic Systems: Its Relation to Water Quality with an Emphasis on Feed and Faeces—A Review. *Water* 2017, 9(1), 13; doi:10.3390/w9010013

AYDIN,F., **YILDIZ, H.** 1993. Su Ürünleri Sağlığı. Ziraat Mühendisleri Odası, Su Ürünleri Sempozyumu. Yayın No:22, Ankara

ATAY, D., KÖKSAL, G., SEÇER, S., AYDIN, F., PULATSÜ, S. ve **YILDIZ, H.** 1996. Gübrelemenin Sazan Balıklarının (*Cyprinus carpio* L.) Bazı Hematolojik Özellikleri ile Sağlık Durumları Üzerine Etkisi . *Turkish Journal of Zoology*, 20 (ek sayı): 67-72.

KÖKSAL, G., **YILDIZ, H.** ve UZBİLEK, M. 1997. Sazan Havuzlarında Piliç Gübresinin Bentik Fauna Verimliliğine Etkisi. *Turkish Journal of Zoology*, 21 (4): 509-515.

YAVUZCAN YILDIZ, H., PULATSÜ, S. and KURTOĞLU, F. 1997. Baseline Haematological and Serological Parameters of Healthy Nile Tilapia (*Oreochromis niloticus* L.) *Animal Science Papers and Reports*, 15 (4): 213-218.

AKAN, M., **YILDIZ, H.**, İZGÜR, M. ve ATAY, D. 1996. Levreklerde *Vibrio anguillarum*'a Bağlı Vibriosis Olgusu (A case of vibriosis caused by *Vibrio anguillarum* in sea-bass). *Van Yüzüncü Yıl Sağlık Bilimleri Dergisi*, 2 (1-2): 40-43.

AYDIN F., PULATSÜ, S. ve **YILDIZ, H.** 1995. Gökkuşluğu Alabalıklarında (*O. mykiss*) Kan Yapıcı Organ Ağırlıkları ile Hematokrit – Lökosit ilişkisi (The relationship between haematocrit-leucocrit and haemopoietic organs in rainbow trout). *Ege Üniversitesi Su Ürünleri Dergisi*, 12 (3-4): 191-194.

YAVUZCAN YILDIZ, H. and AYDIN, F. 1999. A note on the Effect of Experimental Infection of Carp (*Cyprinus carpio* L.) with Two Pathogenic Bacteria on Phagocytic Activity of Neutrophils and Total Leukocyte Number. *Animal Science Papers and Reports*, 17 (3): 145-150.

ATAY, D., **YAVUZCAN YILDIZ, H.** 1997. Çevre ve Balık Sağlığı. *Türk Standartları Enstitüsü Dergisi*, 36 (424): 76-79.

AYDIN F., **YAVUZCAN YILDIZ, H.** and PULATSÜ, S. 1998. A Study on Some Haematological Characteristics of Healthy European Catfish (*Silurus glanis*) and African Catfish (*Clarias lazera*). *Selçuk Üniversitesi Veteriner Bilimleri Dergisi*, 14 (1): 51-53.

YAVUZCAN YILDIZ, H., PULATSÜ, S. and ATAY, D. 1999. Some Blood Parameters in Sea-Bass (*Dicentrarchus labrax* L.) with respect to Water Quality Parameters. *A.Ü. Ziraat Fakültesi Tarım Bilimleri Dergisi*, 5 (3): 82-86.

YAVUZCAN YILDIZ, H. ve KIRKAĞAÇ UZBİLEK, M. 2001. Çubuk Çayı'nda (Ankara) Bentik Makro - Omurgasızların Yapısı. *A.U. Ziraat Fakültesi Tarım Bilimleri Dergisi*, 7 (3): 54-57.

YAVUZCAN YILDIZ, H. 2001. Total Haemocyte Counts in The Narrow-Clawed Crayfish (*Astacus leptodactylus* Esch.) Under Starvation Stress. *Süleyman Demirel Üniversitesi Eğirdir Su Ürünleri*

Fakültesi Dergisi, 7:56-60.

ATAR, H.H., **YAVUZCAN YILDIZ, H.** and BEKCAN, S. 2003. Comparison of the effects of three insecticides on the haemocyte counts of freshwater crab (*Potamon fluviatilis*). S.D.Ü. Eğirdir Su Ürünleri Fakültesi Dergisi, 1 (9):40-42.

KARŞI, A. and **YAVUZCAN YILDIZ, H.** 2005. Secondary Stress Response of Nile Tilapia, *Oreochromis niloticus*, After Direct Transfer to Different Salinities. *Tarım Bilimleri Dergisi*, 11 (2):139-141.

YAVUZCAN YILDIZ, H and BEKCAN, S. 2017. Role of stocking density of tilapia (*Oreochromis aureus*) on fish growth, water quality and tomato (*Solanum lycopersicum*) plant biomass in the aquaponic system. *International Journal of Environment, Agriculture and Biotechnology*, 2(6), 2819-24.

YAVUZCAN YILDIZ, H and BEKCAN, S. 2019. Interaction between economy and fish welfare. *Mediterranean Fisheries and Aquaculture Research*. 2 (1), 27-38

Contributions to Symposiums/Congress

1. KÖKSAL, G., YAVUZCAN, H., RAD, F., AYDIN, F. ve UYSAL, H. 1999. Blood Parameters in Siberian Sturgeon (*Acipenser baeri*) Yearlings Fed on Rainbow Trout Diet: with particular reference to skeletal deformity. 9th International Conference (EAFP) Diseases of Fish and Shellfish. Rhodes, Greece.
2. YAVUZCAN, H. 2006. Fish Welfare Studies in Turkey. COST 867 Welfare of Fish in European Aquaculture. 1st workshop, 9-12, October, Arcachon, France.
3. YAVUZCAN, H. 2007. Welfare of Fish in European Aquaculture. 1st Progress Report. COST Food and Agriculture Domain Committee. 3rd Meeting, 31, January-2, February, Antalya, Turkey.
4. YAVUZCAN YILDIZ, H. 2007. The Cortisol Response of The Gilthead Sea Bream (*Sparus auratus*L.) and Sea Bass (*Dicentrarchus labrax* L.) After Exposure to Externally Applied Antimicrobial Agents. COST 867 2nd Workshop, 14-16, May, Varese, Italy.
5. KIESSLING, A., YAVUZCAN YILDIZ, H., DAMSGARD, B., ROGUE,A., TURNBULL,J.F., KADRI, S., VAN de VIS, H. 2007. COST Action 867-Wellfish:Welfare of Fish in European Aquaculture. Aquaculture Europe 2007, Competing Claims, 24-27, October, Istanbul, Turkey.
6. YAVUZCAN,H.2009. Vocational Aqualabs. IDEC 2010. North Cyprus.
7. YAVUZCAN, H.,PULATSÜ, S., DEMİR, N., TOPÇU, A., DOĞANKAYA,L. 2010. Türkiye’de Sürdürülebilir Su ürünleri Yetiştiriciliği. Ziraat Mühendisliği VII. Teknik Kongresi, 11-15. Ocak, Ankara
8. YAVUZCAN, H. 2014. Su Ürünleri. Stratejik Tarım Alanlarımız, Fırsatlar ve Tehditler. Tarım Haftası Ocak, 2014, Ankara
9. BENLİ, ACK., YAVUZCAN YILDIZ, H., DİNCEL, S., ERGONUL, MB., SERT, S.C. 2007. Stress Response and Gill Tissue Alteration of Sea Bream (*Sparus aurata*) Following to High Ammonia Exposure. Aquaculture Europe 2007, Competing Claims, 24-27, October, Istanbul, Turkey.
10. BENLİ, ACK., YAVUZCAN YILDIZ, H., SELVİ, M., SARIKAYA, R., ÖZKUL, A., ERKOC, F. 2007. Histopathology and Some Blood Characteristics of Carp (*Cyprinus carpio*) After Sublethal

Exposure to Fenitrothion. Aquaculture Europe 2007, Competing Claims, 24-27, October, Istanbul, Turkey.

11. YAVUZCAN, H. Y. 2004. An Overview of Vaccine and Immunostimulant Use In Turkish Aquaculture Sector. 6th International Symposium on Fish Immunology, 24-29, May, Turku, Finland.
12. YAVUZCAN, H. Y. and BENLİ AC. 2004. Total Leucocyte Counts of Tilapia, *Oreochromis niloticus* After Treatment with The Mixture of Formalin, Malachite Green and Methylene Blue. 6th International Symposium on Fish Immunology, 24-29, May, Turku, Finland.
13. KÖKSAL, G., YAVUZCAN, H. and ZENCİR, Ö. 2005. Crayfish in Turkey: Past and Present Situation. Craynet Final Conference, 2-5, May, Florence, Italy.
14. YAVUZCAN, H., BEKCAN, S. and UYSAL, N. 2005. Occurrence of *Anguilla crassus* (Dracunculoidae) in European Eel (*Anguilla anguilla*) in Bafa Lake, Turkey. Biological Invasions in Inland Waters, 5, May, Florence, Italy.
15. YAVUZCAN YILDIZ, H. AND MERIC, I. 2008. Evaluation of Immune Parameters in Rainbow Trout (*Oncorhynchus mykiss*) After Exposure to Malachite Green and Leteux-Meyer Mixture. Aquatic Toxicology and Biomonitoring, The 1st International Workshop August 27-29, 2008, Vodnany, Czech Republic.
16. BEKCAN S., ATAR, H., YAVUZCAN H. 2015. The Effect of Different Pressure Shocks and Heat Shocks on The Early Life Stages of Tetraploid Rainbow Trout (*Oncorhynchus mykiss*, Walbaum. International Congress on Natural and Engineering Sciences, Makedonya (Özet bildiri) (Yayın No:2065110).
17. KAYNAR, S., YAVUZCAN, H., KESKİN, E. 2015. Çevresel DNA ile Alabalık, Sazan ve Mersin Balıkları Yetiştiricilik Havuzlarında Baskın Bakteri Türlerinin Tespiti (En İyi Sunum Ödülü). 18. Ulusal Su Ürünleri Sempozyumu. 1-4 Eylül, İzmir (Poster).
18. KAYNAR, S., YAĞIZ, S., BEKCAN S., YAVUZCAN, H., KESKİN E. 2015. Akuaponik Sistemdeki Baskın Bakteri Türlerinin eDNA Tekniği ile Tespiti. XII. Ulusal Ekoloji ve Çevre Kongresi. 14-17 Eylül, Muğla (Poster).
19. YAVUZCAN YILDIZ, H. 2016. Sustainable and Responsible Aquaculture. 21st Century Strategic Planning Studies. January 2016. Mulkiye, Ankara.
20. YAVUZCAN, H., ERYILMAZ, M., BAHADIR ACIKARA, Ö., ÖZBİLGİN, S., ERGENE, B., SEÇER, S., SALTAN İŞCAN, G. 2016. Potential antimicrobial activities of seagrasses, *Zostera* spp. from Aegean Sea against *Vibrio alginolyticus* ATCC 17749. HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Greece.
21. YAVUZCAN, H., ERGÖNÜL, B., ALTUNAY, S. 2016. Stress responses of Siberian sturgeon, *Acipenser baerii*, to sublethal nitrite exposure. HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan.
22. ERGÖNÜL, B., YAVUZCAN, H., ATASAGUN, S. 2016. Alterations in thrombocyte counts and clotting time of Tench, *Tinca tinca* after Chronic Zinc Exposure."HYDROMEDIT 2nd International Congress on Applied Ichthyology and Environment, 10-12 November 2016, Messolonghi, Yunanistan.
23. YAVUZCAN, H. and Otgucuoglu, Ö. 2018. Ectoparasites of sea bass and sea bream mariculture in Turkey. FABA 2018, Ankara
24. YAVUZCAN, H and Phan van, Q. 2018. Do plant extracts inhibit *Lactococcus garviae*, in vitro. FABA 2018, Ankara

25. YAVUZCAN, H, Phan van Q, Ok, S., Abdelbagi, O. 2018. Inactivation of fish pathogen, *Lactococcus garviae* by carbon nanotubes. FABA 2018, Ankara

BOOKS

1. ATAY, D., AYDIN, F., **YAVUZCAN YILDIZ, H.** 2002. **Principles of Aquaculture.** Ankara Üniversitesi Ziraat Fakültesi Yayınları, Ders Kitabı.

2. **YAVUZCAN YILDIZ, H.** 2011. (E_d_i_t_o_r_). **Aquaculture.** Kitap. Anadolu Üniversitesi.

3. **YAVUZCAN YILDIZ, H., ATAY, D.** 2016. **Introduction to Aquaculture.** Ankara Üniversitesi Ziraat Fakültesi Yayınları, Ders Kitabı

4. ELLIS, T., **YAVUZCAN YILDIZ, H.** 2012. Cortisol and Finfish Welfare. In "**Welfare of Farmed Fish in Present and Future Production systems**" Ed. by Van de Vis et al. Springer Verlag ISBN 978-94-007-5382-2

5. **YAVUZCAN H** and SECER S. 2017. Stress and Fish Health: Towards an Understanding of Allostatic Load - Pp. 133-154 (22) In: **Trends in fisheries and aquatic animal health** DOI: 10.2174/97816810858071170101.

6. **YAVUZCAN YILDIZ, H.,** Radosavljevic, V., Parisi G., Cvetkovikj, A. 2019. Chapter 17: Insight into Risks in Aquatic Animal Health in Aquaponics. In Aquaponics Food Production. Springer Verlag in publish.

AWARDS

Seven Awards for publications in journals with high impact factor

The best presentation award in 18. National Aquaculture Symposium. 1-4 September 2015, İzmir, Turkey

PROFESSIONAL MEMBERSHIPS

The Chamber of Agriculture Engineers

The Accreditation Council of Agriculture Education