

## Prof. MAKBULE BAYLAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Su Ürünleri Fakültesi, Temel Bilimler, Turkey 2000 - 2007

Postgraduate, Cukurova University, Su Ürünleri Fakültesi, Temel Bilimler, Turkey 1996 - 2000

Undergraduate, Cukurova University, Ziraat Fakültesi, Zootekni, Turkey 1990 - 1994

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, *Spirulina platensis* (Cyanophyta)'e gen aktarımı üzerine bir araştırma, Cukurova University, Su Ürünleri Fakültesi, Temel Bilimler, 2007

Postgraduate, Bazı *Tilapia* türlerinin kantitatif (nicel) karakterleri için kalıtım derecelerinin hesaplanması, Cukurova University, Su Ürünleri Fakültesi, Temel Bilimler, 2000

### Research Areas

Fisheries, Hydrobiology, Life Sciences, Biotechnology, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Temel Bilimleri, 2020 - Continues

Assistant Professor, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Temel Bilimleri, 2018 - 2020

Assistant Professor, Cukurova University, Su Ürünleri Fakültesi, Su Ürünleri Temel Bilimleri, 2009 - 2018

### Advising Theses

Baylan M., Balık yemi katkısı  $\beta$ -glukanaz enzimleri üreten rekombinant *Bacillus subtilis* suşlarının geliştirilmesi, Doctorate, G.MAZI(Student), 2021

Baylan M., B-1,4-glukanaz enzimini üreten toprak bakterisinin izolasyonu ve in vitro mutagenез ile genetik modifikasyonu, Postgraduate, A.SEZAN(Student), 2019

- Baylan M., Karagöz balığı (*Diplodus vulgaris*, Geoffroy Saint-Hilaria, 1817) genetik çeşitliliğinin mikrosatellit markörlerle incelenmesi, Postgraduate, A.UZMAY(Student), 2019
- Yılmaz M. B., Baylan M., omega-6 ve omega-3 yağ asitlerinin insan meme kanseri MCF7 hücre hattındaki apoptoz ilişkili genler üzerine etkisi, Postgraduate, F.EZGİ(Student), 2019
- Baylan M., Genetik mühendisliği teknikleri ile yem katkısı balık probiyotiklerinin oluşturulması, Postgraduate, Ö.ARZU(Student), 2019
- Baylan M., Balıklarda büyüme parametrelerinin Bayesyen istatistiksel yöntemle tahmini, Doctorate, S.GÜNDOĞDU(Student), 2016

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

- I. **The Effect of Housing Systems on the Growth, Egg production, Overall Egg Weight and Egg Quality Traits of a New Turkish Laying Hen Hybrid, Akbay**  
BAYLAN M., KURŞUN K., Abdallah N., ÇELİK L. T., YENİLMEZ F., KUTAY H.  
Revista Brasileira de Ciencia Avicola / Brazilian Journal of Poultry Science, vol.26, no.3, 2024 (SCI-Expanded)
- II. **Environmental Enrichment/Improvement: Effect on Performance of Commercial Broiler Strains**  
Abdallah N., KURŞUN K., BAYLAN M.  
Revista Brasileira de Ciencia Avicola / Brazilian Journal of Poultry Science, vol.26, no.3, 2024 (SCI-Expanded)
- III. **Creation and Characterization of the  $\beta$ -1,4-Glucanase (CMCase) Producing Mutant Strains of *Bacillus sp.* with Ultraviolet Radiation and Ethidium Bromide**  
Sezan A., Baylan M.  
JOURNAL OF THE HELLENIC VETERINARY MEDICAL SOCIETY, vol.74, no.1, pp.5119-5130, 2023 (SCI-Expanded)
- IV. **Effect of some fatty acids on apoptosis related genes in human breast cancer**  
Öztecik F. E., Baylan M., Yılmaz M. B.  
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, vol.61, no.02, pp.83-89, 2023 (SCI-Expanded)
- V. **Cloning and Expression of  $\beta$ -(1,3-1,4) Glucanase (Lichenase) Gene in *Bacillus subtilis* RSKK246 to create new Probiotic in aquaculture**  
Çam Ö. A., Baylan M., Mazı G.  
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.94, no.4, pp.1-8, 2022 (SCI-Expanded)
- VI. **Isolation and partial characterization of alkaline tolerant alpha-amylase from *Bacillus pasificus* FEB5**  
Özcan B. D., Dikkaya E., Baylan M., Mazı G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, pp.5750-5757, 2022 (SCI-Expanded)
- VII. **HETEROLOGOUS EXPRESSION OF LICHENASE GENE FROM *Streptococcus bovis* in *Escherichia coli* STRAIN XL1 BLUE MRF'**  
Baylan M., Özcan B. D., Mazı G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.5, pp.5185-5191, 2022 (SCI-Expanded)
- VIII. **INVESTIGATION OF GENETIC DIVERSITY OF COMMON TWO-BANDED SEABREAM (*Diplodus Vulgaris* GEOFFROY SAINT-HILARIE, 1817) WITH MICROSATELLITE MARKERS**  
Uzmay A., Baylan M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.07A, pp.9363-9370, 2021 (SCI-Expanded)
- IX. **Age at maturity of some fish species distributed in Turkish marine waters (*Actinopterygii* and *Elasmobranchii*)**  
GÜNDOĞDU S., BAYLAN M.  
ZOOLOGY IN THE MIDDLE EAST, vol.63, no.1, pp.24-32, 2017 (SCI-Expanded)
- X. **Analyzing Growth Studies of Four Mullidae Species Distributed in Mediterranean Sea and Black Sea**  
GÜNDOĞDU S., BAYLAN M.  
PAKISTAN JOURNAL OF ZOOLOGY, vol.48, no.2, pp.435-446, 2016 (SCI-Expanded)
- XI. **Comparative Study of the Length-Weight Relationships of Some Fish Species along the Turkish**

## Coasts

GÜNDOĞDU S., BAYLAN M., ÇEVİK C.

MEDITERRANEAN MARINE SCIENCE, vol.17, no.1, pp.80-108, 2016 (SCI-Expanded)

- XII. **Changes of Electrophoretic Protein Profiles of Smoked and Marinated Rainbow Trout (*Oncorhynchus mykiss*) During Refrigerated Storage**  
Baylan M., Mazi G., Özcan N., Ozcan B. D., Akar M., Çoşkun A.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BILIMLERI DERGISI, vol.21, no.2, pp.262-269, 2015 (SCI-Expanded)
- XIII. **SDS-PAGE CHANGES OF RAW, SMOKED AND MARINATED RAINBOW TROUT (*Oncorhynchus mykiss*) DURING FROZEN STORAGE**  
Baylan M., Mazi G., Ozcan B. D., Gündoğdu S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.6B, pp.2063-2069, 2015 (SCI-Expanded)
- XIV. **Cloning and Expression of Cellulosimicrobium cellulans beta-1,3-Glucanase Gene in Lactobacillus plantarum to Create New Silage Inoculant for Aerobic Stability**  
Ozcan B. D., Özcan N., Baylan M., Güzel A. I.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.19, no.4, pp.575-581, 2013 (SCI-Expanded)
- XV. **Cloning and Expression of beta-1,3-Glucanase Gene from Cellulosimicrobium cellulans in Escherichia coli DH5a**  
Ozcan B. D., Özcan N., Baylan M., Güzel A. I.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.19, no.3, pp.523-528, 2013 (SCI-Expanded)
- XVI. **Effects of cooking methods on electrophoretic patterns of rainbow trout**  
Baylan M., Ozcan B. D., Kucukgulmez A., Yanar Y.  
ITALIAN JOURNAL OF ANIMAL SCIENCE, vol.10, no.3, pp.175-177, 2011 (SCI-Expanded)
- XVII. **Some Properties of a New Thermostable Xylanase from Alkaliphilic and Thermophilic Bacillus sp Isolate DM-15**  
Ozcan B. D., Çoşkun A., Özcan N., Baylan M.  
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.10, no.2, pp.138-143, 2011 (SCI-Expanded)
- XVIII. **Effects of Different Selection Methods for Body Weight on Some Genetic Parameters in Japanese Quail**  
Baylan M., Canogullari S., Sahin A., Copur G., BAYLAN M.  
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.8, no.7, pp.1385-1391, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Selülaz Enzimi Üreten Bakterilerin İzolasyonu ve Su Ürünleri Yetiştiriciliğinde Kullanılabilirliğinin Araştırılması**  
Sarıçam S., Baylan M.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.6, no.2, pp.1543-1561, 2023 (Peer-Reviewed Journal)
- II. **DNA barcoding and phylogenetic analysis of two species populations of *Diplodus* from the eastern Mediterranean coasts of Turkey**  
Baylan M., Mazi G., Özcan B. D., Gündoğdu S., Tekdal D.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.6, no.1, pp.806-817, 2023 (Peer-Reviewed Journal)
- III. **Use of Bacillus Strains Producing Lichenase and Laminarinase Enzyme as Fish Feed Additives**  
Baylan M., Mazi G.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.5, no.3, pp.1855-1871, 2022 (Peer-Reviewed Journal)
- IV. **CONSTRUCTION OF RECOMBINANT YEAST (*Saccharomyces cerevisiae*) PRODUCING  $\beta$ (1.3) GLUCANASE AS A FISH FEED ADDITIVES**

MAZI G., BAYLAN M., ÖZCAN N.

SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE, vol.LIX, pp.42-47, 2016 (ESCI)

- V. **COMPARISON OF BAYESIAN ESTIMATION AND CLASSICAL ESTIMATION OF BRUSHTOOTH LIZARDFISH (*Saurida lessepsianus* RUSSELL, GOLANI & TIKOCHINSKI 2015) GROWTH**  
GÜNDOĞDU S., BAYLAN M.  
SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE, vol.LIX, pp.315-319, 2016 (ESCI)
- VI. **Effect of different parametrization methods on von Bertalanffy growth model of *Saurida lessepsianus* (Russell, Golani Tikochinski, 2015)**  
GÜNDOĞDU S., BAYLAN M.  
Ege Journal of Fisheries and Aquatic Sciences, vol.32, no.4, pp.205-208, 2015 (Peer-Reviewed Journal)
- VII. **Biotechnology Applications in Fish Nutrition**  
BAYLAN M., MAZI G., GÜNDOĞDU S.  
Turkish Journal of Agriculture - Food Science and Technology, vol.3, no.3, pp.112-116, 2015 (Peer-Reviewed Journal)
- VIII. **Investigation of the polymorphism of the myostatin gene by using PCR-RFLP in two tilapia species (*Oreochromis aureus* and *Oreochromis niloticus*)**  
Baylan M., Mazi G., Özcan N., Özcan B. D., Güzel A. İ.  
JOURNAL OF FOOD, AGRICULTURE AND ENVIRONMENT, vol.13, no.2, pp.228-231, 2015 (Peer-Reviewed Journal)
- IX. **A Quantitative Genetic Analysis of Six Phenotypes in *Oreochromis niloticus* in Different Olds**  
AKAR M., BAYLAN M., SANGÜN L.  
Biyoloji Bilimleri Araştırma Dergisi, vol.6, no.1, pp.62-66, 2013 (Peer-Reviewed Journal)
- X. **A Mini Review on Spirulina**  
Baylan M., Özcan B. D., Işık O., Akar M.  
Türk Bilimsel Derlemeler Dergisi, vol.5, no.1, pp.31-34, 2012 (Peer-Reviewed Journal)
- XI. **Characterization of thermostable  $\alpha$ -amylase from thermophilic and alkaliphilic *Bacillus* sp. isolate DM-15. Research Journal of Biological Sciences**  
ÖZCAN B. D., BAYLAN M., ÖZCAN N., TEKDAL D.  
Research Journal of Biological Sciences, vol.5, no.1, pp.118-124, 2010 (Peer-Reviewed Journal)
- XII. **Spirulina platensis den Serin Esteraz Geninin PCR yöntemi İle Çoğaltılarak PBR325SL Vektörünün Oluşturulması**  
BAYLAN M., AKAR M., ÖZCAN N.  
Ç.Ü. Fen Bilimleri Enstitüsü, vol.22, no.3, pp.8-18, 2010 (Peer-Reviewed Journal)
- XIII. ***Oreochromis niloticus* ve *Oreochromis aureus* Türleri için Bazı Nicel Karakterlere ait Kalıtım derecelerinin Tahmini**  
BAYLAN M., AKAR M.  
Fen ve Mühendislik Bilimleri Dergisi, vol.10, pp.25-33, 1999 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Role and Importance of Microarray Applications in Farm Animals**  
ELİF D., Keklik G., ÖZCAN B. D., BAYLAN M.  
III. INTERNATIONAL APPLIED STATISTICS CONFERENCE (UYIK 2022), Scopj, Macedonia, 22 - 24 June 2022
- II. **Development of Recombinant *Bacillus subtilis* Producing  $\beta$ -(1,3)-glucanase as a Fish Feed Additive**  
MAZI G., BAYLAN M.  
6. International Congress on Environmental Research and Technology (ICERAT'21), Adana, Turkey, 13 - 14 December 2021
- III. **Cloning of Lichenase Gene into *Bacillus subtilis* Strain for Fish Probiotics**  
MAZI G., BAYLAN M.  
6. International Congress on Environmental Research and Technology (ICERAT'21), Adana, Turkey, 13 - 14 December 2021

- IV. **DNA based molecular markers and their application in fisheries and aquaculture**  
BAYLAN M., UZMAY A., MAZI G.  
2 nd Aquatic Biotechnology Symposium (AQUABIOTECH 2021), İstanbul, Turkey, 13 - 14 October 2021, pp.38
- V. **Use of Chicken Egg White Treated Under Different pH Conditions as a Source of Lysozyme in Bacterial DNA Isolation**  
BAYLAN M., ÖZCAN B. D., MAZI G., BAYLAN M., ELİF D., NUMAN Ö.  
IX. International Multidisciplinary Congress of Eurasia (IMCOFE), PRAG, Czech Republic, 6 - 08 August 2019, pp.204-210
- VI. **Partial Characterization of Alpha-amylase Enzyme Produced by Newly Isolated Bacillus sp.**  
ÖZCAN B. D., BAYLAN M., DIKKAYA E., MAZI G.  
?X. INTERNATIONAL MULTIDISCIPLINARY CONGRESS OF EURASIA, Prag, Czech Republic, 6 - 08 August 2019, pp.175-181
- VII. **Çiftlik Hayvanları Yetiştiriciliğinde Hedefe Yönelik Yeni Nesil Genom Düzenleme Tekniklerinin Yeri, Önemi ve Geleceği**  
ÖZCAN B. D., DIKKAYA E., BAYLAN M.  
?X. INTERNATIONAL MULTIDISCIPLINARY CONGRESS OF EURASIA, Prag, Czech Republic, 6 - 08 August 2019, pp.277
- VIII. **GENERATION AND CHARACTERIZATION OF Bacillus subtilis MUTANT STRAINS PRODUCING BETA (1,4) GLUCANASE CMC<sub>Case</sub> WITH ETHIDIUM BROMIDE APPLICATION**  
SEZAN A., BAYLAN M., MAZI G.  
II. International Fisheries Symposium - IFSC 2018, Girne, Cyprus (Kktc), 4 - 08 November 2018, pp.122
- IX. **Microstallite Analysis of Genetic Diversity in the Two Banded Seabream (Diplodus vulgaris) in East Mediterranean Coast in Turkey**  
UZMAY A., BAYLAN M., MAZI G.  
INTERNATIONAL MARINE & FRESHWATER SCIENCES SYMPOSIUM PROCEEDINGS (MARFRESH2018), Antalya, Turkey, 18 - 21 October 2018, pp.167
- X. **ISOLATION OF FEED ADDITIVE LICHENASE PRODUCING BACTERIA AND PARTIAL CHARACTERIZATION OF THE ENZYME**  
ÖZCAN B. D., Yucel H., BAYLAN M., MAZI G., DIKKAYA E.  
The 4th International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 2 - 06 May 2018, pp.203
- XI. **BETA-GLUCAN USAGE IN ANIMAL BREEDING AND ITS ROLE IN THE IMMUNE SYSTEM**  
MAZI G., BAYLAN M., ÖZCAN B. D.  
The 4th International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 2 - 06 May 2018, pp.184
- XII. **ELECTROTRANSFORMATION OF BETA-(1,3-1,4)-GLUCANASE (LICHENASE) GENE INTO BACILLUS SUBTILIS RSKK246 STRAIN**  
ÇAM Ö. A., BAYLAN M., MAZI G.  
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Kyiv, Ukraine, 2 - 06 May 2018, pp.208
- XIII. **Partial Characterization of CMC<sub>Case</sub>, Xylanase and Lichenase Enzymes Produced by Newly Isolated Bacillus sp. CXL**  
BAYLAN M., ÖZCAN B. D., ÖZCAN N.  
8th Balkan Animal Science Conference, BALNIMALCON 2017, Prizren, Kosova, 9 - 08 September 2017, pp.30
- XIV. **Isolation of CMC<sub>Case</sub>, Xylanase and Lichenase Producer Bacillus Strain and Partial Characterization of the Enzymes**  
ÖZCAN B. D., BAYLAN M., ÖZCAN N.  
IMCOFE (IV. International Multidisciplinary Congress of Eurasia), Roma, Italy, 23 - 25 August 2017, pp.37
- XV. **Study on the Polymorphism of MSTN gene in Salmo trutta, Dicentrarchus labrax and Oreochromis aureus**  
BAYLAN M., MAZI G., ÖZCAN B. D., ÖZCAN N., GÜNDOĞDU S.

The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOT), Nevşehir, Turkey, 15 - 17 May 2017, vol.1, pp.1064

- XVI. **RELATIONSHIP BETWEEN SCIENTIFIC PAPERS AND AUTHORITIES AN EXAMPLE OF THE MINIMUM LANDING SIZE MLS REGULATION FROM TURKEY**  
GÜNDOĞDU S., ÇEVİK C., BAYLAN M.  
FABA 2016 (International Symposium on Fisheries and Aquatic Sciences), Antalya, Turkey, 3 - 05 November 2016, vol.1, pp.100-101
- XVII. **MICROSATELLITE MARKERS IN AQUACULTURE**  
BAYLAN M., MAZI G., ÇAM Ö. A.  
International Symposium on Fisheries and Aquatic Sciences, Antalya, Turkey, 3 - 05 November 2016
- XVIII. **CONSTRUCTION OF RECOMBINANT YEAST *Saccharomyces cerevisiae* PRODUCING 1 3 GLUCANASE AS A FISH FEED ADDITIVES**  
MAZI G., BAYLAN M., ÖZCAN N.  
AGRICULTURE FOR LIFE, LIFE FOR AGRICULTURE, 9 - 11 June 2016
- XIX. **THE FINGERPRINTS OF BIODIVERSITY DNA BARCODING**  
BAYLAN M., MAZI G., ÇAM Ö. A.  
ICAVST (International Congress on Advances in Veterinary Sciences and Technics), Sarajevo, Bosnia And Herzegovina, 25 - 29 August 2016
- XX. **COMPARISON OF BAYESIAN ESTIMATION AND CLASSICAL ESTIMATION OF BRUSHTOOTH LIZARD FISH *Saurida lessepsianus* RUSSELL GOLANI TIKOCHINSKI 2015 GROWTH**  
GÜNDOĞDU S., BAYLAN M.  
The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest AGRICULTURE FOR LIFE, LIFE FOR AGRICULTURE, Bükreş, Romania, 9 - 11 June 2016, pp.128
- XXI. **CONSTRUCTION OF RECOMBINANT YEAST *Saccharomyces cerevisiae* PRODUCING 1 3 GLUCANASE AS A FISH FEED ADDITIVES**  
MAZI G., BAYLAN M., ÖZCAN N.  
The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest AGRICULTURE FOR LIFE, LIFE FOR AGRICULTURE, Bükreş, Romania, 9 - 11 June 2016, pp.14
- XXII. **Balık yemi katkısı olarak beta 1 3 glukanaaz üreten rekombinant maya *Saccharomyces cerevisiae* nin oluşturulması**  
MAZI G., BAYLAN M., ÖZCAN N.  
18. ulusal su ürünleri sempozyumu, İzmir, Turkey, 1 - 04 September 2015
- XXIII. **Balık Yemi Katkısı Olarak beta 1 3 Glukanaaz Üreten Maya *Saccharomyces cerevisiae* nin Oluşturulması**  
MAZI G., BAYLAN M., ÖZCAN N.  
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015
- XXIV. **Farklı Parametrizasyon Tekniklerinin *Saurida undosquamis* Richardson 1848 in von Bertalanffy Büyüme Parametrelerinin Tahminine Etkisi**  
GÜNDOĞDU S., BAYLAN M.  
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015
- XXV. **Balık Yemi katkısı olarak B(1-3)Glukanaaz üreten Maya (*Saccharomyces cerevisiae*) oluşturulması (poster)-Özet**  
MAZI G., BAYLAN M., ÖZCAN N.  
18. Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, vol.-
- XXVI. **Farklı Parametrizasyon Tekniklerinin *Saurida undosquamis* (Richardson, 1848)'xxin von Bertalanffy Büyüme Parametrelerinin Tahminine Etkisi**  
GÜNDOĞDU S., BAYLAN M.  
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015
- XXVII. **Türkiye Sularında Yayılım Gösteren Bazı Lesepsiyen Balık Türlerinin Boy-Ağırlık İlişkileri**  
GÜNDOĞDU S., BAYLAN M.  
Ekoloji 2015 Sempozyumu, Sinop, Turkey, 6 - 09 May 2015

- XXVIII. **Difference between bayesian and classical estimation of growth parameters of Mullus barbatus barbatus Linnaeus 1758**  
GÜNDOĞDU S., BAYLAN M.  
1st International Congress of Applied Ichthyology Aquatic Environment-Hydromedit, 13 - 15 November 2014
- XXIX. **Difference Between Bayesian and Classical Estimation of Growth Parameters of Mullus barbatus Linnaeus 1758**  
GÜNDOĞDU S., BAYLAN M.  
1 st International Congress of Applied Ichthyology & Aquatic Environment, Volos, Greece, 13 - 15 November 2014, pp.404-407
- XXX. **Selection of growth models for describing length age relationship in Mullus barbatus barbatus L 1758 A Bayesian perspective**  
GÜNDOĞDU S., BAYLAN M.  
FABA International Fisheries and Aquatic Sciences Conference, 25 - 27 September 2014
- XXXI. **Selection of Growth Models for Describing Length Age Relationship in Mullus barbatus ( L.1758 ): A Bayesian Perspective**  
GÜNDOĞDU S., BAYLAN M.  
FABA-International Symposium on Fisheries and Aquatic Sciences, Trabzon, Turkey, 25 - 27 September 2014
- XXXII. **investigation on the polymorphism of myostatin gene by using PCR RFLP in two different species tilapia oreochromis aureus oreochromis niloticus**  
BAYLAN M., MAZI G., ÖZCAN B. D., ÖZCAN N., GÜZEL A. İ.  
international symposium on fisheries and aquatic sciences, Trabzon, Turkey, 25 - 27 September 2014
- XXXIII. **Investigation of the Polymorphism of the Myostatin Gene by Using PCR RFLP in Two Tilapia Species Oreochromis aureus and Oreochromis niloticus**  
BAYLAN M., MAZI G., ÖZCAN B. D., ÖZCAN N., GÜZEL A. İ.  
FABA-International Symposium on Fisheries and Aquatic Sciences, Trabzon, Turkey, 25 - 27 September 2014
- XXXIV. **A Review of Weigth Length Relationship Parameters of 225 Fish Species in Turkish Marine Waters**  
GÜNDOĞDU S., BAYLAN M.  
FABA-International Symposium on Fisheries and Aquatic Sciences, Trabzon, Turkey, 25 - 27 September 2014
- XXXV. **Biyolojik Modellemelerde Geçmişe Ait Bilgilerin Önemi**  
GÜNDOĞDU S., BAYLAN M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- XXXVI. **Cellulosimicrobium cellulans a ait beta 1 3 Glukanaz Geninin Escherichia coli ve Lactobacillus plantarum da Klonlanması ve Expresyonu**  
ÖZCAN B. D., BAYLAN M., ÖZCAN N., GÜZEL A. İ.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- XXXVII. **Balık Beslemede Biyoteknolojik Uygulamalar**  
BAYLAN M., MAZI G., GÜNDOĞDU S.  
5. Doğu Anadolu Bölgesi Su Ürünleri Sempozyumu, Elazığ, Turkey, 31 May - 02 June 2014
- XXXVIII. **Su Ürünlerinde Biyoteknoloji Alanında Güncel Gelişmeler**  
GÜNDOĞDU S., BAYLAN M.  
5. Doğu Anadolu Bölgesi Su Ürünleri Sempozyumu, Elazığ, Turkey, 31 May - 02 June 2014
- XXXIX. **Constraction of pRS416G Vector for use as feed additive of beta 1 3 Glukanase in Culture of marine and fresh water fish**  
MAZI G., BAYLAN M., ÖZCAN N.  
First National Workshop on Marine Biotechnology and Genomics, Muğla, Turkey, 24 - 25 April 2012, pp.186-194
- XL. **Spirulina platensis den Serin Esteraz Geninin PCR Yöntemi ile Çoğaltılarak pBR325SL Vektörünün Oluşturulması**  
BAYLAN M., AKAR M., ÖZCAN N.  
XIV. Ulusal Su Ürünleri Sempozyumu, Muğla, Turkey, 4 - 07 September 2007
- XLI. **İskenderun Körfezinde Asilhani Serranus cabrilla L 1758 Balığının Populasyon Dinamiği Parametrelerinin Tahmini**

AKAR M., SANGÜN L., BAYLAN M., NAGEHAN B.

XIII. Ulusal Su Ürünleri Sempozyumu, Çanakkale, Turkey, 1 - 04 September 2005

**XLII. On the Estimation of Population Parameters for the Species of *Serranus hepatus* from İskenderun Bay Mediterranean**

AKAR M., BAYLAN M., SANGÜN L.

The 7 th Balkan Conference on Operational Research, Constanta, Romania, 25 - 28 May 2005

**XLIII. Estimation of Heritabilities for Some Traits for Species Of *Oreochromis niloticus***

AKAR M., SANGÜN L., BAYLAN M., BAYLAN M.

The 7th Balkan Conference on Operational Research, Constanta, Romania, 25 - 28 May 2005, vol.1, pp.55

**XLIV. *Serranus hepatus* Linnaeus 1758 Türünün Bazı Metrik Karakterleri Hakkında Bir Çalışma**

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XI. Ulusal Su Ürünleri Sempozyumu, Hatay, Turkey, 4 - 06 September 2001, vol.1, pp.360-367

**XLV. *Oreochromis niloticus* türünün bazı kantitatif özelliklerine ait kalıtım derecelerinin belli periyotlarda incelenmesi**

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**XLVI. Negatif Olmayan Kalıtım Derecelerinin Tahmini ve Balıkçılıkta Bir Uygulama**

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## Supported Projects

ÖZCAN B. D., MAZI G., BAYLAN M., DİKKAYA E., Project Supported by Higher Education Institutions, Genetik Mühendisliği Yöntemleri ile Yem Katkısı Enzimleri Üreten Bakterilerin Geliştirilmesi, 2019 - 2022

BAYLAN M., ÖZCAN B. D., GÜNDOĞDU S., MAZI G., Project Supported by Higher Education Institutions, Türkiye'nin Doğu Akdeniz Kıyılarında Yayılım Gösteren İki Diplodus Populasyonunda DNA Barkodlama ve Filogenetik analiz, 2017 - 2021

BAYLAN M., MAZI G., Project Supported by Higher Education Institutions, BALIK YEMİ KATKISI  $\beta$ -GLUKANAZ ENZİMLERİ ÜRETEN REKOMBİNANT *Bacillus subtilis* SUŞLARININ GELİŞTİRİLMESİ, 2015 - 2021

BAYLAN M., ÖZTECİK F. E., YILMAZ M. B., Project Supported by Higher Education Institutions, Omega 3 ve Omega 6 Yağ Asitlerinin İnsan Meme Kanseri MCF7 Hücre Hattındaki Apoptoz İlişkili Genler Üzerine Etkisi, 2017 - 2020

BAYLAN M., SEZAN A., Project Supported by Higher Education Institutions,  $\beta$ -1,4-GLUKANAZ ENZİMİNİ ÜRETEN TOPRAK BAKTERİSİNİN İZOLASYONU VE in vitro MUTAGENEZ İLE GENETİK MODİFİKASYONU, 2017 - 2019

BAYLAN M., UZMAY A., Project Supported by Higher Education Institutions, Karagöz Balığı (*Diplodus vulgaris* Geoffroy SaintHilaria 1817) Genetik Çeşitliliğinin Mikrosatelit Markörlerle İncelenmesi, 2017 - 2019

BAYLAN M., MAZI G., BAYLAN M., ÖZCAN B. D., Project Supported by Higher Education Institutions, YUMURTA AKI LİZOZİMİNİN FİZİKSEL VE BİYOTEKNOLOJİK YÖNTEMLERLE EKONOMİK SAFLAŞTIRILMASI ÜZERİNE BİR ARAŞTIRMA, 2016 - 2019

BAYLAN M., Çam Ö. A., MAZI G., Project Supported by Higher Education Institutions, Genetik mühendisliği teknikleri ile yem katkıları balık probiyotiklerinin oluşturulması, 2016 - 2019

BAYLAN M., ÖZCAN B. D., ÖZCAN N., Project Supported by Higher Education Institutions, Isolation of CMCase, Xylanase and Lichenase Producer *Bacillus* Strain and Partial Characterization of the Enzymes, 2017 - 2018

BAYLAN M., Project Supported by Higher Education Institutions, THE FINGERPRINTS OF BIODIVERSITY DNA BARCODING, 2016 - 2017

BAYLAN M., GÜNDOĞDU S., Project Supported by Higher Education Institutions, Bilimsel yayın teşvik, 2016 - 2017

BAYLAN M., MAZI G., ÖZCAN N., Project Supported by Higher Education Institutions, Construction of Recombinant Yeast *Saccharomyces cerevisiae* Producing B (1-3) Glucanase as a Fish Feed Additives, 2016 - 2016

BAYLAN M., GÜNDOĞDU S., MAZI G., Project Supported by Higher Education Institutions, Bikimsel Yayın desteği, 2016 - 2016

BAYLAN M., Project Supported by Higher Education Institutions, Bilimsel Yayın Desteği, 2014 - 2016

BAYLAN M., MAZI G., GÜNDOĞDU S., Project Supported by Higher Education Institutions, Alabalık ( *Salmo Trutta* ) ve



Levrekte ( Dicentrarchus Labrax ) Myostatin Gen Polimorfizminin Arařtırılması, 2013 - 2016

BAYLAN M., GÜNDOĐDU S., Project Supported by Higher Education Institutions, Balıklarda Büyüme Parametrelerinin Bayesyen İstatiksel Yöntemle Tahmini, 2012 - 2016

## **Metrics**

Publication: 78

Citation (WoS): 30

Citation (Scopus): 38

H-Index (WoS): 3

H-Index (Scopus): 4

## **Congress and Symposium Activities**

International Marine & Freshwater Sciences Symposium (Marfresh2018), Attendee, Antalya, Turkey, 2018

The 4th International Conference on Engineering and Natural Sciences (ICENS), Attendee, Kyyiv, Ukraine, 2018

8th BALKAN ANIMAL SCIENCE CONFERENCE BALNIMALCON 2017, Attendee, Prizren, Kosova, 2017

IMCOFE (IV. International Multidisciplinary Congress of Eurasia), Attendee, Rome, Italy, 2017

The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Attendee, Nevşehir, Turkey, 2017

The International Conference on Advances in Veterinary Sciences & Technicsis, Attendee, Sarajevo, Bosnia And Herzegovina, 2016

Agriculture for Life, Life for Agriculture, Attendee, Bucuresti, Romania, 2016