


## PERSONAL INFORMATION

<b>Name/Family Name:</b>	Zehra Duygu DÜZGÜNEŞ	
<b>Title:</b>	Biologist (Msc)	
<b>Department:</b>	Breeding and Genetics	
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<b>Birth Date/Place:</b>	16.11.1983 Tarsus/Mersin	

## EDUCATIONAL INFORMATION

<b>Bachelor's Degree</b>	
University Academic Unit Graduation Year	Karadeniz Technical University Faculty of Sciences/ Biology Department, 2006
<b>MSc</b>	
University Academic Unit Graduation Year	Karadeniz Technical University Institute of Sciences / Biology Department, 2009
<b>PhD</b>	
University Academic Unit Graduation Year	Recep Tayyip Erdoğan University Institute of Sciences / Biology Department Ongoing

## FOREIGN LANGUAGE

English	61- YDS
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## TASKS

Institution	Title	Year
Central Fisheries Research Institute-TRABZON	Researcher Biologist	2011- Present

## PUBLICATIONS

### International Publications

**Düzgüneş, Z.D.**, Eroğlu, O., Firidin, Ş., Çakmak, E. (2018) Genetic Diversity for Anchovy Populations (*Engraulis encrasicolus* L.) in the Azov, Marmara and Black Sea. *Genetics of Aquatic Organisms 2*: 53-60 (DOI: 10.4194/2459-1831-v2\_2\_05)

Eyüp Çakmak, Ekrem Cem Çankırılıgil, **Zehra Duygu Düzgüneş**, Osman Tolga Özel, Oğuzhan Eroğlu, Şirin Firidin. 2019, Triploid Black Sea Trout (*Salmo labrax* Pallas, 1814) Induced by Heat Shock and Evaluation of Triploidy with Different Techniques, *Genetics of Aquatic Organisms 3*(1), 01-07

### SCI, SCI-expanded, SCI and AHCI Papers:

Ayaz F.A., Torun H., Glew R.H., **Bak Z.D.**, Chuang L.T., Presley J.M., Andrews R., 2009. Nutrient

content of carob pod (*Ceratonia siliqua L.*) flour prepared commercially and domestically. Plant Foods Human Nutr 64, 286-292.

Güney D., **Z.D Bak.**, F Aydınoğlu., İ Turna., F.A Ayaz., 2013 Effect of geographical variation on the sugar composition of the oriental beech (*Fagus orientalis Lipsky*), Turkish Journal of Agriculture and Forestry 37: 221-230

#### **International Symposiums, Meetings and Conferences:**

**Düzgüneş, Z.D.**, Firidin, Ş., Eroğlu, O., 2015. Evolutionary Journey of the Anchovy (*Engraulis encrasicolus L.*) to the Black Sea. MACEDOSU 2015 Symposium, September,18-20,2015, Symposium Abstract Book,195.(Poster Presentation)

**Düzgüneş, Z. D.**, Eroğlu, O., Firidin, Ş., Afan, F. 2016. Importance of Genetic Monitoring for Conservation and Management. 2016, 10-12 November PRONASEM 6th International Conference Symposium Abstract Book 117s. (Poster Presentation)

Firidin Ş., O.Eroğlu., Kutlu İ., **Düzgüneş, Z.D** 2017 The Future of Ancient DNA in Conservation Genetics 04-06 October 2017 Limnofish 2017 Symposium

Çakmak, E., Özel, O.T., Perker, N., Altuntas, A., Aksungur, N., Aksungur, M., Ergün, H., **Düzgüneş, Z.D.**, Özdemir, M.D. 2019. The effects of diets with different protein levels on Black Sea trout (*Salmo labrax*, Pallas 1814) reproductive performance. 11. International Animal Science Conference. 20-22 October 2019, Nevşehir.

#### **National Publications**

Firidin Ş., O.Eroğlu, **Z.D. Bak.**,2013 Genetic Aspect of Brood Stock Manegment in Brown Trout; Identification of Strain in Turkey by Multiplex PCR, Yunus Research Bulletin,, (1):1-8

#### **National Symposiums, Meetings and Conferences:**

Firidin Ş., O.Eroğlu,**Z.D. Bak.**,2013, Genetic Approach Broodstock Management FABAs 2013 (Fisheries and Aquatic Sciences) Symposium. 30 May-01 June, 2013, Erzurum, Symposium Abstract Book,511-512. (Poster Presentation)

Eroğlu, O., Firidin Ş., **Z.D. Bak**, Çiftçi Y., 2013. Determination of Pearl Mullet (*Alburnus tarichi Pallas,1811*) Population of Genetic Structure Using MtDNA-RFLP Analyses Method, FABAs 2013 (International Symposium on Fisheries and Aquatic Sciences) 30 May-01 June, 2013, Erzurum, Symposium Abstract Book,513-514. (Poster Presentation)

**Bak Z.D.**, O.Eroğlu, Ş.Firidin,2013 Population structure of anchovy (*Engraulis encrasicolus L.*) in the Black Sea inferred from RFLP Method, FABAs 2013 (Fisheries and Aquatic Sciences Symposium). 30 May-01 June, 2013, Erzurum, Symposium Abstract Book,509-510. (Poster Presentation)

Firidin Ş., O.Eroğlu, **Z.D. Bak** ,2013, Applied Genetic Studies in Natural Trout, 3. International Trout Symposium 24-26 May 2013,Kastamonu Symposium Abstract Book., (Poster Presentation)

Afan F.,O.Eroğlu, Ş.Firidin, **Z.D. Bak** Zengin M., ,M. Dağtekin, 2013. Genetic Analysis with Sequence and RFLP Method of Brown trout (*Salmo trutta labrax*), in the Cıldır Lake 3. International Trout Symposium 24-26 May 2013,Kastamonu Symposium Abstract Book., (Poster Presentation)

O.Eroğlu, Ş.Firidin, M. Aksungur, Afan F., **Z.D. Bak**,2013. Determination of Genetic Structure of Natural and Cultural populations in the Black Sea Trout (*Salmo trutta labrax*), 3. International Trout Symposium, 24-26 May 2013,Kastamonu Symposium Abstract Book., (Poster Presentation)

**Bak, Z.D.**, Firidin, Ş., Eroğlu, O., 2014. Application Transfer of Genetic Databases: Determination of Origin of Brown Trout. 5. East Anatolia Region Fisheries Symposium 31 May-02 June 2014, Elazığ, Symposium Abstract Book, 426-427. (Poster Presentation)

**Düzgüneş, Z.D.**, Firidin, Ş., Eroğlu, O., 2015. Importance of Genetic Monitoring Program for Sustainability of Natural Resources. Ecology Symposium 2015,06-09 May 2015, Sinop, Symposium Abstract Book, 307. (Poster Presentation)

Firidin S., Eroglu O., **Duzgunes Z.D.**, Afan F., Kutlu I., Cakmak E., 2017 Determination of Microsatellite Locus Usable from Populations of Black Sea Turbot (*Psetta maxima*). 12-15 September 2017 SUSEMP 2017

**Duzgunes Z. D.**, Eroglu O., Firidin S., Afan F., Kutlu İ. 2017 Applicability of Enhanced Microsatellite Markers to Black Sea Anchovy Populations. 12-15 September 2017 SUSEMP 2017, Proceedings, 117

## PROJECTS

### Completed Projects

TAGEM- Population Genetic, Phylogenic and Phylogeographic Analysis of Pearl Mullet (*Alburnus tarichi* Gldenstdt, 1814) in Lake Van Basin by Using Genetic Methods **Researcher**

TAGEM- Preliminarily Study for Fish Gen Bank: Cryoprsvervation (2013-2015) **Researcher**

TAGEM- The Determination of Nutritional Requiriments in Blacksea Trout (*Salmo trutta labrax*) (2011-2015) **Researcher**

TAGEM- Analysis of the Genetic Structure of Brown Trout (*Salmo trutta L.*) Population in Turkey Using Microsatellite DNA and mtDNA Markers **Researcher**

TAGEM- Monotoring of Anchovy Fisheries in the Black Sea **Researcher**

TAGEM -Temporal analysis of archived samples of the genetic structure in the Black Sea Mullet (*Mullus barbatus*) :1989-2015 **Researcher**

TAGEM -Establishment Of Genebank Database: Turbot (*Psetta maxima L.*) **Researcher**

### Ongoing Projects

TAGEM -National Aquaculture Genetic Database **Researcher**

TAGEM- The Use of Molecular Genetics and Biotechnological Methods to Form Black Sea Trout Breeding Line (2019-2024) **Researcher**

TAGEM- TAGEM - Investigation of the possibilities of using some phytobiotic added diets in nutrition of Black sea trout (*Salmo trutta labrax* Pallas, 1811) **Researcher**

## OTHER

### **Administrative**

Central Fisheries Research Institute – Institute committee secretary (2013- 2019)

### **Reviewing**

2016: Turkish Journal of Fisheries and Aquatic Sciences (7)

2017: Turkish Journal of Fisheries and Aquatic Sciences(2)

2018: Turkish Journal of Fisheries and Aquatic Sciences(1)

### **International Meetings**

2019: Fish Genetics Resources-Practical Training on Molecular Methods, Food Agricultural Organisation (FAO)(Trainer)