


### PERSONAL INFORMATION

<b>Name/Family Name:</b>	Dr. Ekrem Cem ÇANKIRILIGİL	
<b>Title:</b>	Fisheries Engineer (PhD)	
<b>Department:</b>	Aquaculture	
<b>E-mail:</b>	<a href="mailto:cem.cankiriligil@tarimorman.gov.tr">cem.cankiriligil@tarimorman.gov.tr</a> <a href="mailto:ekremcem19@gmail.com">ekremcem19@gmail.com</a>	
<b>Phone:</b>	0462 341 10 53 / 3110	
<b>Birth Date/Place:</b>	03 January 1987 - İstanbul	

### EDUCATIONAL INFORMATION

Bachelor's Degree	
University Academic Unit Graduation Year	Canakkale Onsekiz Mart University Faculty of Fisheries Engineering 2005-2009
MSc	
University Academic Unit Graduation Year	Canakkale Onsekiz Mart University Institute of Natural and Applied Sciences Fisheries Engineering 2009-2012
PhD	
University Academic Unit Graduation Year	Canakkale Onsekiz Mart University Institute of Natural and Applied Sciences Fishing and Processing Technology 2012-2019

### FOREIGN LANGUAGE

English	80 - (YDS, 2018)
---------	------------------

### TASKS

Institution	Title	Year
Central Fisheries Research Institute - Trabzon	Researcher	2013-Present
Cinemaximum Movie Theater - Çanakkale	Customer Service Representative	2012-2013

### PUBLICATIONS

**International Papers Published in SCI, SCI-expanded, E-SCI and AHCI indexes:**

Ak İ., **Çankırılıgil E. C.**, Türker G., Sever O., **2020**. Assessment of Light Intensity and Salinity Regimes on the Element Levels of Brown Macroalgae, *Treptacantha barbata*: Application of Response Surface Methodology (RSM), *Food Science and Technology*, (**Accepted**).

Kasapoglu N., **Çankırılıgil E. C.**, Çakmak E., Özel O. T., **2020**. Meristic and Morphometric Characteristics of the Black Sea Salmon, *Salmo labrax* Pallas,1814 Culture Line: an Endemic Species for Eastern Black Sea. *Journal of Fisheries* 8(3): 935-939.

**Çankırılıgil E. C.**, Berik N., Alp Erbay E., **2020**. Optimization of Hydrolization Procedure for Amino Acid

Analysis in Fish Meat with HPLC-DAD by Response Surface Methodology (RSM). *Ege Journal of Fisheries and Aquatic Sciences* 37(2): 113-123.

Berik N., **Çankırlıgil E. C.**, 2019. The Elemental Composition of Green Seaweed (*Ulva rigida*) Collected from Çanakkale, Turkey. *Aquatic Sciences and Engineering*, 34(3): 74-79.

**Çankırlıgil E. C.**, Berik N., 2018. Sensorial Evaluation of Fish Croquettes Produced from Different Seafood. *Turkish Journal of Aquatic Sciences*, 3(3):96-101.

Çakmak E., **Çankırlıgil E.C.**, Özel, O.T. 2018. The Fifth Culture Generation of Black Sea Trout (*Salmo trutta labrax*): Culture Characteristics, Meat Yield and Proximate Composition. *Ege Journal of Fisheries and Aquatic Sciences*, 35(1):103-110. 10.12714/egejfas.2018.35.1.16.

Özel, O.T., Çakmak E., Çoşkun, İ., **Çankırlıgil E.C.**, 2018. Evaluation of Growth Performance and Intestine Villi Morphology of Black Sea Trout (*Salmo trutta labrax*) Fed with Different Protein Levels Containing Diets. *Ege Journal of Fisheries and Aquatic Sciences*. 35(2):125-130. 10.12714/egejfas.2018.35.2.04.

**Çankırlıgil E. C.**, Berik N., 2017. Effects of Deep-Frying to Sardine Croquettes' Chemical Composition. *Ege Journal of Fisheries and Aquatic Sciences*, 34(3):293-302 DOI:10.12714/egejfas.2017.34.3.08.

Berik N., **Çankırlıgil E. C.**, Güzin G., 2017. Mineral Content of Smooth Scallop (*Flexopecten glaber*) Caught Canakkale, Turkey and Evaluation in terms of Food Safety, *Journal of Trace Elements in Medicine and Biology*. 42: 97-102. <https://doi.org/10.1016/j.jtemb.2017.04.011>.

Berik N., **Çankırlıgil E. C.**, Kahraman D., 2011. Determination of Quality Attributes and Production of Fingers from Rainbow Trout (*Oncorhynchus mykiss*) Fillet, *Kafkas Univ Vet Fak Derg*. 17 (5): 735-740.

**International Papers (Not indexed in SCI, SCI-expanded, E-SCI and AHCI):**

Kasapoglu N., **Çankırlıgil E. C.**, Düzgüneş, Z. D., Çakmak E., Eroğlu, O., 2020. The Bio-ecological and Genetic Characteristics of Sand Steenbras (*Lithognathus mormyrus*) in the Black Sea. *Journal of the Black Sea / Mediterranean Environment*. 26(3): 249-262.

**Çankırlıgil E. C.**, Berik N., 2020. Chemical Composition of the Black Sea Trout (*Salmo labrax* Pallas, 1814): A Comparative Study. *Aquatic Research*. 3(4): 208-219.

Çakmak E., **Çankırlıgil E. C.**, Düzgüneş Z. D., Özel O. T., Eroğlu O., Firidin Ş., 2019. Triploid Black Sea Trout (*Salmo labrax* Pallas, 1814) Induced by Heat Shock and Evaluation of Triploidy with Different Techniques, *Genetics of Aquatic Organisms (GenAqua)*. 3(1): 01-07.

**Çankırlıgil E. C.**, Berik N., 2017. Changes in Fatty Acid and Mineral Compositions of Rose-Shrimp Croquettes during Production Process. *American Journal of Food Technology*. 12 (4): 254-261. DOI: 10.3923/ajft.2017.254.261.

Berik N., **Çankırlıgil E. C.**, Gül, G., 2017. Meat Yield and Shell Dimension of Smooth Scallop

(*Flexopecten glaber*) Caught from Cardak Lagoon in Canakkale, Turkey. *Journal of Aquaculture & Marine Biology (JAMB)*, 5:3. DOI:10.15406/jamb.2017.05.00122.

**Çankırlıgil E. C.**, Alp Erbay, E., **2017**. Effect of different thawing techniques on color of Black Sea trout (*Salmo labrax* PALLAS, 1814) fillets. *International Journal of Agriculture, Environment and Food Sciences*. 1 (1): 27-32.

Kasapoğlu N., **Çankırlıgil E.C.**, Firidin Ş., Çakmak E., **2016**. A Preliminary Study of Some Biological Characters for the Black Sea, Turkey: East Atlantic Peacock Wrasse, *Symphodus tinca*. *International Journal of the Black Sea / Mediterranean Environment*, 22: 3 289-294. <http://www.blackmeditjournal.org/index.php/component/k2/item/566>.

Berik N., **Çankırlıgil E.C.**, **2013**. Determination of Proximate Composition and Sensory Attributes of Scallop (*Flexopecten glaber*) Gonads. *Marine Science and Technology Bulletin*, 3: 5-8.

**International Symposiums, Meetings and Conferences:**

**Çankırlıgil, E.C.**, Berik N., **2019**. Effects of Astaxanthine, Canthaxanthin and Lycopene Containing Diets on the Chemical Quality and Textural Properties of the Black Sea Trout (*Salmo labrax*) Fillets. BioEco2019- International Biodiversity & Ecology Sciences Symposium, 26-28 September 2019, Istanbul, Turkey (Oral presentation).

**Çankırlıgil, E.C.**, Berik N., **2019**. Histological Examination of Black Sea Trout (*Salmo labrax*) Fed by Carotenoid Containing Diets. BioEco2019- International Biodiversity & Ecology Sciences Symposium, 26-28 September 2019, Istanbul, Turkey (Poster presentation).

Berik, N., **Çankırlıgil, E.C.**, **2019**. Seasonal Fatty Acid Composition of Green Seaweed (*Ulva Rigida*). 4th International Anatolian Agriculture, Food, Environment and Biology Congress, 20-22 April 2019, Afyonkarahisar, Turkey (Oral presentation).

Berik, N., **Çankırlıgil, E.C.**, **2019**. Evaluation of Fatty Acid Compositions of Commercial Fish Oils Considering Recommended Omega Fatty Acid Uptake for a Healthy Diet. 4th International Anatolian Agriculture, Food, Environment and Biology Congress, 20-22 April 2019, Afyonkarahisar, Turkey (Oral presentation).

Ozel, O., Türe, M., Cakmak, E., Cimagil, R., **Çankırlıgil, E.C.**, Kutlu, İ. **2018**. Effects of Dietary Daphne (*Laurus nobilis* L.) and Fennel (*Foeniculum vulgare* L.) Essential Oils on Some Intestinal Bacteria of Black Sea Trout (*Salmo labrax*). 4<sup>th</sup> International Agriculture Congress, 05-08 July 2018, Kırşehir, Turkey (Oral presentation).

**Çankırlıgil, E.C.**, Berik N., **2017**. The Processing of Pufferfish and Usage of Tetrodotoxin in the Pharmaceutical Industry. *Jubilee International Scientific Conference "Bulgaria of the Regions"*, 27-28 October 2017, Plovdiv, Bulgaria (Poster presentation).

**Çankırlıgil, E.C.**, Berik N., **2017**. Element Composition of Farmed Rainbow Trout (*Oncorhynchus mykiss*) Obtained from Fish Farm in the Mount Ida. *SEEP-2017 VIII. International Symposium on*

*Ecology and Environmental Problems*, 4-7 October 2017, Çanakkale, Turkey (Poster presentation).

Berik N., **Çankırılıgil, E.C.**, 2017. The Seasonal Elemental Composition of Green Seaweed (*Ulva rigida*) Collected from Canakkale, Turkey. *SEEP-2017 VIII. International Symposium on Ecology and Environmental Problems*, 4-7 October 2017, Çanakkale, Turkey (Poster presentation).

**Çankırılıgil, E.C.**, Berik N., 2017. Amino Acid Composition of Cultured Black Sea Trout (*Salmo trutta labrax* PALLAS, 1811). *SEAB 2017, International Symposium on EuroAsian Biodiversity*, 5-8 July 2017, Minsk Belarus (Oral presentation).

**Çankırılıgil, E.C.**, Berik N., 2017. Scallop Species in Turkey and Evaluation in terms of Food Safety Considering 9<sup>th</sup> Task Group of Marine Strategy Framework Directive. *SEAB 2017, International Symposium on EuroAsian Biodiversity*, 5-8 July 2017, Minsk-Belarus (Oral presentation).

**Çankırılıgil, E.C.**, Çakmak, E., Özel, O.T., Kasapoğlu, N., 2017. Black Sea Trout (*Salmo trutta labrax* PALLAS, 1811) Culture in Turkey and Morphometric Characteristics of Fifth Culture Generation. *SEAB 2017, International Symposium on EuroAsian Biodiversity*, 5-8 July 2017, Minsk-Belarus (Oral presentation).

Kasapoğlu, N., Düzgüneş, E., **Çankırılıgil E.C.**, 2017. Biodiversity in The Black Sea Bottom Trawl Fisheries and Processing Possibilities of Discard Species. *SEAB 2017, International Symposium on EuroAsian Biodiversity*, 5-8 July 2017, Minsk-Belarus (Poster presentation).

**Çankırılıgil, E.C.**, Berik, N., Çakmak, E., 2016. Meat Color Changes in Different Generations of Cultured Black Sea Trout (*Salmo trutta labrax*): A Preliminary Study. *FABA 2016, International Symposium on Fisheries and Aquatic Sciences*, 3-5 November 2016, Antalya-Turkey, s511-512 (Poster presentation).

**Çankırılıgil, E.C.**, Alp Erbay E., 2016. Effect of Different Thawing Techniques on Color of Black Sea Trout (*Salmo trutta Labrax*) Fillets. *FABA 2016, International Symposium on Fisheries and Aquatic Sciences*, 3-5 November 2016, Antalya-Turkey, s513 (Poster presentation).

Kasapoğlu, N., **Çankırılıgil, E.C.**, Çakmak, E., 2016. A Preliminary Study on Growth Characteristics of Striped Sea Bream, *Lithognathus mormyrus* in the Black Sea. *FABA 2016, International Symposium on Fisheries and Aquatic Sciences*, 3-5 November 2016, Antalya-Turkey, s436 (Poster presentation).

**Çankırılıgil, E.C.** and Berik, N., 2016. Changes in Fatty Acid and Mineral Compositions of Rose-Shrimp Croquettes during Production Process. 63rd Scientific Conference with International Participation "Food Science, Engineering and Technology 2016, Plovdiv-Bulgaria, 21-22 October 2016, vol.II, pp.6-6 (Oral presentation).

**Çankırılıgil, E.C.**, Çakmak, E., Özcan Akpınar, İ., 2016. Histological Development of the Digestive Tract of Black Sea Trout (*Salmo trutta labrax* PALLAS, 1811) During Larval Ontogeny. *41th CIESM Congress, Living Resources & Marine Ecosystems Committee*, 12-16 September 2016, Kiel-

Almanya (Full-text, oral and poster presentation).

Kasapoğlu, N., Çakmak, E., **Çankırlıgil, E.C.**, **2016**. Differences Between Cultured and Wild Black Sea Trout (*Salmo trutta labrax*) Otoliths: a Comparative Study. *41th CIESM Congress, Living Resources & Marine Ecosystems Committee*, 12-16 September 2016, Kiel-Almanya (Full-text, oral and poster presentation).

Berik N., **Çankırlıgil E. C.**, **2015**. Mineral Contents of Meat and Digestive Glands of Scallops (*Flexopecten glaber*) Caught in Çanakkale Strait, Turkey. *MACODESU 2015, Conference of Sea and Coastal Development in the frame of Sustainability*, Trabzon-Turkey. 18-20 September 2015 (Poster presentation).

Berik N., **Çankırlıgil E. C.**, **2012**. Determination of Proximate Composition and Sensory Attributes of Scallop (*Flexopecten glaber*) Gonads. *Turkish-Japanese Marine Forum, Harmonization of Bio-diversity and Marine Industries Symposium*, 9-12 November 2012, Çanakkale-Turkey (Poster presentation).

**Çankırlıgil E. C.**, Berik N., **2012**. Production of Croquettes from Deep-Water Rose Shrimp (*Parapenaeus longirostris*) Meat. *Turkish-Japanese Marine Forum, Harmonization of Bio-diversity and Marine Industries Symposium*, 9-12 November 2012, Çanakkale-Turkey (Poster presentation).

### **National Publications**

#### **National Papers:**

Berik N., **Çankırlıgil E. C.**, **2017**. The Usage of Carotenoids in Fisheries Sector and Evaluation in terms of Food Safety. *Journal of Dünya Gıda*, June, p:90 (in Turkish).

**Çankırlıgil E. C.**, Berik N., **2017**. Determination of Shelf Life of Rainbow Trout (*Oncorhynchus mykiss*) Croquettes during Cold Storage (+4°C). *Turkish Journal of Aquatic Sciences*, 32(1):35-48. doi: 10.18864/TJAS201704 (in Turkish).

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

**Çankırlıgil, E.C.**, Berik N., **2017**. Sensorial Evaluation of Fish Croquettes Produced from Different Seafood. *19. National Symposium of Fisheries*, 12-15 September 2017 Sinop (In Turkish) (Poster presentation).

**Çankırlıgil, E.C.**, Güven, A., Balçık Mısır, G., **2017**. Determination of Amino Acid Composition of Cultured Grey Mullet (*Liza aurata*)' Muscle Tissue and Other Organs. *19. National Symposium of Fisheries*, 12-15 September 2017 Sinop (In Turkish) (Poster presentation).

Kasapoğlu, N., Güven, A., Çakmak, E., **Çankırlıgil, E.C.**, Firidin, Ş., **2017**. By-catch rates of Black Sea Grey Mullet Fishing. *19. National Symposium of Fisheries*, 12-15 September 2017 Sinop (In Turkish) (Poster presentation).

**Çankırlıgil E.C.**, Berik N., **2013**. Determination of Shelf Life of Croquettes Produced by Rainbow Trout (*Oncorhynchus mykiss*) in Cold Storage (+4°C). *17. National Symposium of Fisheries*, 3-6

September 2013, İstanbul. 375p (in Turkish) (Poster presentation).

Berik N., **Çankırlıgil E.C.**, 2011. Applying Different Cooking Techniques To Scallops (*Flexopecten glaber*) Provided From Çanakkale Fish Market. 16. National Symposium of Fisheries, Antalya. 25-27 October 2011, 125p (in Turkish) (Oral presentation).

Berik N., Kahraman D., **Çankırlıgil E.C.**, 2010. Appreciation of Rainbow Trout (*Oncorhynchus mykiss*) Marinades in Terms of Sensorial and Nutritive Value. 2. National Symposium of Trout, Ermenek/Karaman. 6-8 July 2010 (in Turkish) (Poster presentation).

Berik N., **Çankırlıgil E.C.**, Kahraman D., 2010. Determination of Proximate Composition and Sensory Attributes of Fingers from Rainbow Trout (*Oncorhynchus mykiss*). 2. National Symposium of Trout, Ermenek/Karaman. 6-8 July 2010 (in Turkish) (Poster presentation).

## PROJECTS

### Current Projects:

**TAGEM** - Black Soldier Fly (*Hermetia illucens*, L.) and Mealworm (*Tenebrio molitor*, L.) Larvae Usage on Fish Feed Instead of Fish Meal and Effects of Growth Parameters, Amino Acid and Fatty Acid Compositions in Rainbow trout (*Oncorhynchus mykiss*) Researcher (2020 - Ongoing).

**TAGEM** - Determination of Biochemical Contents of the Eastern Black Sea Coastal Macroalgae Species by Molecular Techniques (in Turkish) – Researcher (2018 - Ongoing).

**TAGEM** - A Research on Possibilities of Using Some Phytobiotic Containing Diets in Blacksea Trout (*Salmo trutta labrax* Pallas, 1811) nutrition (in Turkish) – Researcher (2017 – Ongoing).

**TAGEM** - Determination of the Success of Usage Cryopreserved Sperm (Artificial Insamiation) in Rainbow Trout (*Oncorhynchus mykiss*) Aquaculture (in Turkish) – Researcher (2017 - Ongoing)

### Completed Projects:

**TAGEM** – Conventionalization of Black Sea trout (*Salmo labrax*) culture - Trainer-Researcher (2020)

**TAGEM** - Determination of the Bioecology and Aquaculture Characteristics of the Mullet Species (*Mugil cephalus*, *Liza aurata*) in the Eastern Black Sea (in Turkish) – Researcher (2015 - 2019)

**TAGEM** - Broodstock Management in Sturgeon Breeding (in Turkish) – Researcher (2015 - 2017)

**TAGEM** - Analysis of the Genetic Structure of Brown Trout (*Salmo trutta* L.) Population in Turkey Using Microsatellite DNA and mtDNA Markers (in Turkish) – Researcher (2014 - 2016)

**TAGEM** - The Determination of Nutritional Requirements in Black sea Trout (*Salmo trutta labrax*) (in Turkish) - Researcher (2013-2015).

**COMU** - Determination of Quality Parameters of Coated Products (Croquette) Obtained from Different Seafood/2010/142 (in Turkish) – (2010 - 2012).

## OTHER

### **PhD thesis:**

Determination of Meat Quality of the Black Sea Trout (*Salmo labrax* PALLAS, 1814) Fed With Carotenoid Containing Diets – **2012-2019**

### **Master Thesis:**

Determination of Quality Parameters of Coated Products (Croquette) Obtained from Different Seafood – **2009-2012**

### **Trainings (as a trainer):**

**Çankırılıgil, E. C. , 2020.** Constitution & Components of Recirculating Aquaculture Systems - GFCM Aquaculture Demonstrative Centres (ADC) Online Courses. 29.04.2020.

<http://www.fao.org/gfcm/news/detail/en/c/1270852/>

**Çankırılıgil, E. C., 2019.** Basic components of RAS. Aquaculture Demonstrative Centre - Demonstrative training on trout farming in RAS, 17.07.2019.

**Çankırılıgil, E. C., 2019.** Constitution of RAS. Aquaculture Demonstrative Centre - Demonstrative training on trout farming in RAS, 17.07.2019.

**Çankırılıgil, E. C., 2018.** Black Sea Trout (*Salmo labrax*): Biology and Culture Characteristics. Study Visit on Selective Breeding Practical Approach, 25.12.2018.

### **Presentations:**

**Çankırılıgil, E.C., Çakmak, E., Özel, O.T., Kasapoğlu, N., Alp Erbay, E., Özcan Akpınar, İ., 2017.** An Overview on Biology, Biochemistry and Aquaculture of the 5th Culture Generation of Black Sea Trout (*Salmo trutta labrax*) Considering Recent Studies. Workshop on Aquaculture in the Black Sea: Potential and Opportunities, 24-26 October 2017, Trabzon, Turkey.

### **Administrative:**

Chief of Fresh Water Recirculating Aquaculture Unit – Central Fisheries Research Institute (2013 - Present).

### **Awards:**

**2019:** Publons Peer Review Award – For placing top 1% of reviewers in Agricultural Sciences.

**2018:** Publons Peer Review Award – For placing top 1% of reviewers in Agricultural Sciences.

**2012:** Best Poster Presentation for **Çankırılıgil E. C., Berik N., 2012.** Production of Croquettes from Deep-Water Rose Shrimp (*Parapenaeus longirostris*) Meat - Turkish-Japanese Marine Forum; Harmonization of Bio-diversity and Marine Industries Symposium.

**2011:** TUBITAK; Encouragement award of International Scientific Publications.

**Grant review:**

National Oceanic and Atmospheric Administration (NOAA), FY20 Saltonstall-Kennedy (S-K) full proposal call, **2019**.

**Peer review:**

Food Chemistry (53), **2016-2020**.

LWT - Food Science and Technology (33), **2017-2020**.

Food Research International (19), **2017-2020**.

Current Research in Nutrition and Food Science Journal (13), **2019-2020**.

Turkish Journal of Fisheries and Aquatic Sciences (5), **2017-2018**.

Journal of Applied Phycology (2), **2020**.

Biological Trace Element Research (2), **2020**.

International Journal of Fisheries Science and Research (2), **2017-2018**.

Asian Fisheries Science (2), **2019**.

Marine Life, Science & Technology (1), **2020**.

Çanakkale Onsekiz Mart University Journal of Marine Sciences and Fisheries (1), **2019**.

Oriental Journal of Chemistry (1), **2019**.

International Journal of Analytical Techniques (1), **2017**.

Food & Function (1), **2016**.

**Organizing Committee:**

Workshop on Aquaculture in the Black Sea: Potential and Opportunities – 24-26 October 2017, Trabzon, Turkey (Organizing committee and secretariat).

**Editorial:**

**Associate editor:** Journal of Aquaculture & Marine Biology (**2017 – 2019**).

**Associate editor:** International Journal of Fisheries Science And Research (**2017 – 2019**).

**Associate editor:** Journal of Nutrition and Food Science Forecast (**2017 – 2019**).

**Çankırılıgil E. C.**, Ak O., Akbulut B., **2014**. Symposium Abstract Book - FABA 2014: International Symposium on Fisheries and Aquatic Sciences.

**Training and Courses:**

**2017:** Agilent; Amino acid analysis and application training with HPLC.

**2016:** Agilent; HPLC setup and usage training.



**2016:** TAGEM; Use of SPSS Statistical Package Program in Agricultural Research.

**2015:** TAGEM; Trial Techniques and Statistics in Agricultural Research.

**2015:** TAGEM; Use of Statistical Package Programs in Agricultural Research.

**2015:** Academic Article Writing Course, TEOL Language School.

**2015:** ULAKBIM; editor and writer training seminar.

**2014:** ARDEB, national academic AR-GE support presentation and project proposal preparation training.

**2008:** Utku Counseling; ISO 9001, ISO 22000 and Internal auditor certification program.

**2008:** CMAS One Star Diver Training Program

Publons: <https://publons.com/researcher/1230970/ekrem-cem-cankiriligil/>

Researchgate: [https://www.researchgate.net/profile/Ekrem\\_Cankiriligil](https://www.researchgate.net/profile/Ekrem_Cankiriligil)

Google Scholar: <https://scholar.google.com.tr/citations?user=XkeIjmMAAAAJ&hl=tr>