



TAFEM
R&D AND INNOVATION

CENTRAL FISHERIES RESEARCH INSTITUTE
SUMAE / TRABZON

BÜKET BUŞRA DAĞTEKİN, PhD Aquaculture Engineer

EDUCATION

- PhD**
2008-2015 Mersin University Department of Fisheries, Fish Processing Technology
- MSc**
2003-2007 Mersin University Department of Fisheries, Fish Processing Technology
- Bachelor's Degree**
1999-2003 Mersin University Faculty of Fisheries
- LANGUAGE** English KPDS 67, IELTS 5.0

ABOUT ME

Between 2006-2011, she worked as a research assistant at Mersin University, Faculty of Fisheries. She has been working as a researcher at the institute since 2011. She worked as project leader and researcher in various projects carried out within the Institute.

Between 2018-2020, she worked as the managing editor of the scientific journal "Aquaculture Studies" published by the Institute and has been working as a section editor since 2021. She continues to work as the managing editor in the journal "Aquatic Food Studies" since 2021. Dağtekin, is married and has two children.

CAREER

- 2011- Researcher, Central Fisheries Research Institute - Trabzon
- 2009 (6 months) Research Assistant, University of Eastern Finland- FINLAND
- 2006-2011 Research Assistant, Mersin University Faculty of Fisheries

CONTACT

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▪ PROJECTS

▪ Projects Conducted

1. BAP- Comparison of Nutrition Values of Discarded Fish Caught by Trawl Nets in Mersin Bay - Mersin University Scientific Research Projects Unit – Researcher (2006-2007)
2. DOKA- Preparation of Black Sea Region Fisheries Sector Report, Eastern Black Sea Development Agency, Project No: TR90/11/DFD/21- Researcher -(2011)
3. BAP - Investigation of Quality Changes in Fish Fingers Made from Prussian Carp (*Carassius gibelio*) Protein Isolates Produced by Surimi and pH Shifting Methods During the Frozen Storage- Mersin University Scientific Research Projects Unit – Researcher- (2011- 2015)
4. TÜBİTAK- To know and protect our seas – III - The Scientific and Technological Research Council of Turkey (TÜBİTAK) – Researcher/Expert- (2014-2015)
5. TAGEM - Determination of Quality Criterias and Shelf Life of Trout Coated with Whey Protein Isolated Nanocomposite Films) – Researcher - (2014-2015)
6. TAGEM - Use of Alternative Marinating Sources in Utilization of Anchovies - Researcher - (2016-2018)
7. TAGEM- Monitoring of Pelagic Fish Stocks of Commercial Importance in the Black Sea-General Directorate of Agricultural Research and Policies (TAGEM) - Researcher (2016-2020)
8. TAGEM - Possibilities of using some phytobiotic added diets in nutrition of Black sea trout (*Salmo labrax* Pallas, 1811) – Researcher- (2017-2020)
9. TAGEM - Determination of Storage Stability of Protein Isolates and Hydrolyzates Obtained from Sprat (*Sprattus sprattus* L., 1758) – Project Leader- (2018-2020)

▪ Ongoing Projects

1. TAGEM - The Effect of Ultrasound Assisted Protein Hydrolyzate Production and the Possibility of Use in Some Processed Foods – Researcher - (2019-2022)
2. TAGEM – The Ultrasound Assisted Fish Gelatin Extraction – Researcher- (2022-2025)



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

Articles Published in International Indexed Journals (SCI, SCI-Expanded)

Yesilsu, A.F. & Alp-Erbay, E., Dagtekin, B.B., Dagtekin, M., Ozyurt, G., & Benjakul, S. **2021.** Effect of Partial Replacement of NaCl with KCl on Quality of Marinated Anchovies, *Journal of Aquatic Food Product Technology*, <https://doi.org/10.1080/10498850.2021.1936325>

Alp-Erbay, E., Dağtekin, B. B. G., Türe, M., **Yesilsu, A.F.**, & Torres-Giner, S. **2017.** Quality improvement of rainbow trout fillets by whey protein isolate coatings containing electrospun poly (ϵ -caprolactone) nanofibers with *Urtica dioica* L. extract during storage. *LWT-Food Science and Technology*, 78, 340-351. <https://doi.org/10.1016/j.lwt.2017.01.002>

Kurt Kaya G., **Gözü, B.B.**, Baştürk, Ö. **2010.** The Investigation of Quality Changes in Marinades Obtained From Frozen African Catfish (*Clarias gariepinus*, B., 1822), *Journal of Animal and Veterinary Advances*, 9(23): 2982-2985. <https://doi.org/10.3923/jftech.2010.200.203>

Articles Published in Other International Journals

Dağtekin, B.B.G. **2021.** Comparison of Nutrition Values of Discarded Fish By Bottom Trawl Fishing in the Mersin Bay. *Aquatic Food Studies*, 1(1), AFS19. <https://doi.org/10.4194/AFS19>

Dağtekin (Gozu), B.B., Balcık Mısır, G., Kutlu, S., Basturk O., **2018.** Comparison of Biochemical, Fatty Acids and Lipid Quality Indexes of Prussian Carp (*Carassius gibelio*) Caught from Lake Çıldır on Different Seasons. *Mediterranean Fisheries and Aquaculture Research*, 1 (1): 2-14.

Yesilsu, A.F., Ture, M., Alp-Erbay, E., **Dağtekin, B.B.**, Eroglu, O. **2018.** Identification of Lactic Acid Bacteria from Spoiled Marinated Anchovy (*Engraulis encrasicolus*) Using 16S rRNA Gene Sequence Analysis. *Genetics of Aquatic Organisms*, 2: 11-15. http://doi.org/10.4194/2459-1831-v2_1_05

Gözü, B.B., Komulainen, H., Hyvönen, P., Von Wright, A. **2010.** Pinosylvin Kullanımının Farklı Sıcaklıklarda Depolanan Tuzlanmış Gökkuşağı Alabalıkları'nda (*Oncorhynchus mykiss*, Walbaum, 1792) *Listeria monocytogenes*'in Gelişimi Üzerine Etkisi, *The Journal of Fisheries Sciences.com.*, 4(4): 419-426, [doi: 10.3153/jfscom.2010045](https://doi.org/10.3153/jfscom.2010045).

International Papers, Seminars, etc.

Dağtekin, B.B., Balcık Misir, G., Kutlu, S., & Yesilsu, A.F. **2019.** A Preliminary Study on Protein Isolates and Hydrolyzate Production from Sprat (*Sprattus sprattus* L., 1758). 3th International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, April, 16-18, 2019, Trabzon, Turkey (Oral).



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Balcik Misir G., **Dagtekin, B.B.** 2017. Evaluation Possibilities of Fish Processing By-Products and Underutilized Fish as Value Added Products", 19th International Conference on Food Processing & Technology, October 23-25, 2017, Abstract Book, p. 147, Paris, France, (Poster).

Dağtekin (Gözü), B.B., Baştürk, Ö. 2014. Chemical and Sensory Quality Changes of Fish Fingers Made From Mince and Surimi of Prussian Carp (*Carassius gibelio* Bloch, 1782) During Frozen Storage (-18 °C), FABA 2014: International Symposium on Fisheries and Aquatic Sciences Abstract Book, 477-478, 25-27 September 2014, Trabzon, Turkey, (Poster).

Dağtekin (Gözü), B.B., Baştürk, Ö. 2014. Comparison of Nutrition Values of Discarded Fish Caught By Trawl Nets in Mersin Bay, FABA 2014: International Symposium on Fisheries and Aquatic Sciences Abstract Book, 479, 25-27 September 2014, Trabzon, Turkey, (Poster).

Alp, E, Yeşilsu A.F., **Dağtekin B.B.**, Türe, M. 2014. Electrospinning Parameters To Obtain Nanofibers From Stinging Nettle (*Urtica dioica* L.) To Reinforce Edible Coatings For Fish: A Novel Method, FABA 2014: International Symposium on Fisheries and Aquatic Sciences Abstract Book, 482-483, 25-27 September 2014, Trabzon, Turkey, (Poster).

Gözü, B. B., Baştürk, Ö. 2007. The Nutritional Quality of Brown Comber (*Serranus hepatus* Linnaeus, 1758) From Discard Sea Products in Mersin Bay (Northeastern Mediterranean). TASSA (Turkish American Scientists and Scholars Association) Annual Conference, "Essentials for a Better World: Energy, Environment, Food and Health", Yale University, March 24-25, 2007, New Haven, Connecticut, USA, (Poster).

Gözü, B. B., Baştürk, Ö. 2007. Chemical Quality and Meat Yield Of *Serranus hepatus* (Linnaeus 1758) Caught From The Mersin Region, International Second Annual YOK-SUNY Collaboration Symposium, Scientific Collaboration for Sustainable Development, Summary Book, pp. 45, Çukurova University, May 23-25, 2007, Adana, Turkey, (Poster).

Gözü, B. B., Ekingen, G. 2006. The Effects of Phenoxyethanol and Quinaldine on North African Catfish (*Clarias lazera*, Val. 1840) for Various Temperatures and Concentrations, International Conference Sustainable Development and New Technologies for Agricultural Production in GAP Region, Summary Book, pp. 116-117, Harran University, May 29-31, 2006, Sanlurfa, Turkey, (Poster).

■ NATIONAL ARTICLES AND PAPERS

Articles Published in National Journals

Dağtekin (Gözü), B.B., Baştürk, Ö. 2014. The Determination of Meat Yield and Biochemical Composition of Prussian Carp, (*Carassius gibelio* Bloch, 1782) in the Çıldır Lake, Central Fisheries Research Institute, Yunus Research Bulletin, (2): 15-22. (In turkish)



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Dağtekin (Gözü) B.B., Özkan, B. **2012.** Mechanization in Aquaculture" Sustainable Development of Aquaculture, International Education Program (Third Country Programme) 2010-2011-2012 book, Ed. Emre, Y., S., E., Yalım, B. F., pages 251-257, Antalya, Turkey. (In turkish)

Gündüz, S. G., Gözü, B.B., Baştürk, Ö. **2011.** Between Body Composition Differences of Triploid and Diploid Trout, Central Fisheries Research Institute, Yunus Research Bulletin,, (2): 15-22. (In turkish)

National Papers, Seminars, etc.

Balcık Misir, G., Kutlu, S., **Dağtekin, B.B.**, Yeşilsu, A.F., Alp Erbay, E. **2019.** "Ultrases Destekli Balık Protein Hidrolizatı Üretimi ve Bazı İşlenmiş Gidalarda Kullanım Olanaklarının Belirlenmesi", KTÜ Proje Pazarı, 29-30-31 Mayıs 2019, KTÜ (Poster)

Dağtekin, B.B., Balçık Mısır, G., Kutlu, S. **2014.** Çıldır Gölü'ndeki Gümüş Havuz Balığı (*Carassius gibelio* Bloch, 1782)'nın Biyokimyasal ve Yağ Asitleri Kompozisyonunun Mevsimsel Değişimi, 5. Doğu Anadolu Bölgesi Su Ürünleri Sempozyumu Bildiri Kitabı, 262-263, 31 Mayıs-2 Haziran 2014, Elazığ, Türkiye, (Oral).

Gözü, B.B., Komulainen, H., Hyvönen, P., Von Wright, A. **2009.** Pinosylvin Kullanımının Farklı Sıcaklıklarda Depolanan Tuzlanmış Gökkuşağı Alabalıkları'nda (*Oncorhynchus mykiss*, Walbaum, 1792) *Listeria monocytogenes*'in Gelişimi Üzerine Etkisi, XV. Ulusal Su Ürünleri Sempozyumu, Rize Üniversitesi, sayfa 188, 1-4 Temmuz 2009, Rize, Türkiye, (Oral).

Kurt Kaya G., **Gözü, B.B.,** Baştürk, Ö. **2009.** Tatlısu Balıklarından Karabalık (*Clarias gariepinus*, B., 1822)'tan Marinat Üretimi ve Raf Ömrünün Belirlenmesi, XV. Ulusal Su Ürünleri Sempozyumu, sayfa 510, 1-4 Temmuz 2009, Rize, Türkiye, (Oral).

Dağtekin, B.B., Balçık Mısır, G., Kutlu, S. **2015.** Gümüş Havuz Balığı (*Carassius gibelio*, Block 1782)'nın Lipit Kalite İndekslerinin Mevsimsel Değişimi, 18. Ulusal Su Ürünleri Sempozyumu, Bildiri Özeti Kitapçığı, sayfa 293, 1-4 Eylül 2015, İzmir, Türkiye, (Poster).

Dağtekin (Gözü), B.B. 2013. Çıldır Gölü'nde Yaşayan Gümüş Havuz Balığının (*Carassius gibelio* (Bloch, 1782) Et Verimi ve Kimyasal Kompozisyonu, Türkiye İstilacı Tatlısu Türleri Çalıştayı: Ulusal Eylem Planı Bildiriler Kitabı, sayfa 23, 12-13 Haziran 2013, İstanbul, Türkiye, (Poster).

Gözü, B.B., Gündüz, S. G., Kurt Kaya, G. **2010.** Akgöl-Paradeniz Lagünlerinin Sucul Biyolojik Çeşitliliğinin Önemi, Türkiye'nin Kıyı ve Deniz Alanları VIII. Ulusal Kongresi Bildiriler Kitabı, sayfa 625-632, 27 Nisan-1 Mayıs 2010, Trabzon, Türkiye, (Poster).

Kurt Kaya, G., **Gözü, B.B.,** Gündüz, S. G. **2010.** Göksu Deltası'nın Su Ürünleri Potansiyeli ve Değerlendirilmesi, Türkiye'nin Kıyı ve Deniz Alanları VIII. Ulusal Kongresi Bildiriler Kitabı, sayfa 575-582, 27 Nisan-1 Mayıs 2010, Trabzon, Türkiye, (Poster).



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Gündüz, S. G., Kurt Kaya, G., **Gözü, B.B.** 2010. Biyolojik İstila ve Doğu Akdeniz'deki İstilacı Türler, Türkiye'nin Kıyı ve Deniz Alanları VIII. Ulusal Kongresi Bildiriler Kitabı, sayfa 605-614, 27 Nisan-1 Mayıs 2010, Trabzon, Türkiye, (Poster).

Gündüz, S. G., **Gözü, B.B.**, Baştürk, Ö. 2008. Triploit ve Diploit Alabalıkların Vücut Kompozisyonları Arasındaki Farklılıklar, 1. Ulusal Alabalık Sempozyumu, sayfa 92, 14-16 Ekim 2008, Isparta, Türkiye, (Poster).

▪ OTHER PUBLICATIONS

PhD Thesis, Master Thesis, Reports, Books etc.

Master Thesis : Comparison of nutrition values of discarded fish caught by trawl nets in Mersin Bay

PhD Thesis : Investigation of quality changes in fish fingers made from prussian carp (*Carassius gibelio*) protein isolates produced by surimi and pH shifting methods during the frozen storage

Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

Editorial

Ongoing

Aquatic Food Studies- (2021)

Aquaculture Studies – Section Editor (2021)

Past

Aquaculture Studies – Manager Editor (2018-2020)

Yunus Research Bulletin - Technical Editor (2016-2018)

Awards

2020 TÜBİTAK Above Threshold Project Award

2003- Mersin University Faculty of Fisheries First Prize

2007- TASSA (Turkish American Scientists and Scholars Association) Ömer Tunç Young Academician Award (Best Poster)



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Trainings

| <u>Title of the Training</u> | <u>Start</u> | <u>Ending</u> | <u>Unit</u> |
|---|--------------|---------------|---|
| ▪ TS EN ISO 9001 Quality Management System Information Awareness Training | 26.11.2007 | 29.11.2007 | Turkish Standards Institute |
| ▪ Training Workshop on Site Selection, Allocated Zones for Aquaculture and Site Management for Coastal Marine Aquaculture | 18.02.2013 | 21.02.2013 | GFCM (General Fisheries Commission for the Mediterranean) |
| ▪ EU Grant Funds and Project Cycle Management | 10.06.2013 | 14.06.2013 | TCD Company |
| ▪ Experimental Animal Use Certificate Training | 17.11.2020 | 8.12.2020 | SUMAE |
| ▪ R Statistical Software Program | 10.03.2014 | 21.03.2014 | DOKA |
| ▪ PRIMA Program 2021 Calls and Project Writing Training | 24.01.2021 | 25.01.2021 | TUBİTAK |
| ▪ IPR, Legal and Financial Issues Training: Proposal Preparation & Submission in Horizon Europe | 07.01.2022 | 08.01.2022 | TÜBİTAK |

Social Networks

- **Google Akademik** : <https://scholar.google.com/citations?hl=tr&user=tkG4rUAAAAAJ>
- **Researchgate** : <https://www.researchgate.net/profile/Buket-Goezue-Dagtekin>
- **ORCID** : <https://orcid.org/0000-0003-1706-6228>
- **PUBLONS** : <https://publons.com/researcher/4810499/buket-busra-gozu-dagtekin/peer-review/>