



**TAGEM**  
R&D AND INNOVATION

CENTRAL RESEARCH INSTITUTE OF FOOD AND  
FEED CONTROL / BURSA



## AYŞE BİNNUR KARATAŞ, M.Sc.

### Food Engineer

#### EDUCATION

- **Assoc. prof**
  - **PhD** 2021-Devam Uludağ University  
Food Engineering
  - **MSc** 2016-2019 Bursa Technical University  
Food Engineering
  - **Bachelor's Degree** 2005-2010 Hacettepe University  
Food Engineering
- LANGUAGE** English

#### CAREER

- 2015-..... Researcher, Central Research Institute Of Food  
And Feed Control – BURSA
- 2013-2015 Engineer, Directorate of Provincial Agriculture  
And Forestry - BURSA

#### ABOUT ME


In 2015, she started to work as a researcher in the "Food Additives and Mycotoxin Laboratory" within the Food and Feed Control Central Research Institute.

Research and profession subjects are; Food Chemistry, Instrumental Food Analysis, Food Technology, Bioavailability, Validation and Verification in Chemical Analysis, Quality Management Systems (ISO 9001 and 17025).

#### CONTACT

Adalet Mh. 1. Hürriyet Cd. No:128  
Osmangazi / BURSA  
16160 TÜRKİYE

 [aysebinnur.karatas@tarimorman.gov.tr](mailto:aysebinnur.karatas@tarimorman.gov.tr)

 0 224 246 47 20



**AYŞE BİNNUR KARATAŞ, M.Sc.**  
**Food Engineer**



▪ **PROJECTS**

▪ **Projects Conducted**

1. The Effect of Different Dietary Fiber Sources on Advanced Glycation Products (AGEs) Formed in Biscuit Production and Investigation of Bioaccessibility /TAGEM/Project Leader
2. Investigation of Short Chain Fatty Acids Following In Vitro Fermentation of Some Dietary Fiber Sources / Project Leader
3. Acrylamide Content In Turkish Coffee and The Effect of Asparaginase Enzyme On Acrylamide Formation and Volatile Compounds Profile/ TAGEM/Researcher
4. Investigation of Total Saponin Detection Method In Tahini Halvah/TAGEM/Researcher
5. Investigation of Production Possibilities of Carrot Chips/TAGEM/Researcher
6. Investigation of The Composition of The Liquid Form of Energy Drinks In Terms of Inositol, Taurine, Glucuronolactone/ TAGEM/Researcher
7. Determining The Amount of Nisin In Cheese and Cream TAGEM/Researcher
8. Determination of Some Properties of Different Commercial Lacquers Used In Cans and Migration Profiles In Food Simulants/ TAGEM/Researcher
9. Determination of Fruit Quality Effects of Different Applications Against Storage Losses In Growing Kiwi Fruits / TAGEM/Researcher

▪ **Ongoing Projects**

1. The Effect of Different Dietary Fiber Sources on Advanced Glycation Products (AGEs) Formed in Biscuit Production and Investigation of Bioaccessibility / TAGEM/ Project Leader
2. Investigation of Total Saponin Detection Method In Tahini Halvah/TAGEM/Researcher



**AYŞE BİNNUR KARATAŞ, M.Sc.**  
Food Engineer



▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Akgün, B, Arıcı, M, Çavuş, F, Karataş, AB, Ekşi Karaağaç, H, Uçurum, HÖ. (2021). Application Of L-Asparaginase To Produce High-Quality Turkish Coffee And The Role Of Precursors In Acrylamide Formation. *J Food Process Preserv*, 45:e15486. <https://doi.org/10.1111/jfpp.15486>

▪ **International Papers, Seminars, etc.**

1. Karataş, AB & Tokat, İE (2018). Determination Of Aminoacid Composition Of Ketencik And Çörekotu Seeds By HPLC. 3.International Congress on Food Technology (Poster)
2. Çavuş, S., Korkmaz, E., Dağdelen, A.F., Karataş, A.B. (2018). The Use of Certain Epoxy Derivatives in Food Contact Materials and Articles, 2nd International Conference on Agriculture, Forest, Food Sciences and Technologies. ICAFOF 2018. IZMIR/TURKEY.

▪ **NATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in National Journals**

- Karataş, AB, Tokat, İE, Asan, A. (2019). Determination of Some Azo Dyes in Red Pepper Flakes by LC-MS/MS, *Journal of Food and Feed Science – Technology*, 21, 26-39.
- Birlik, P, Karataş, AB, TOKAT, İE. (2020). Method Validation for Determination of Taurine, Inositol and Glucoronolactone in Energy Drinks by LC-MS/MS, *Journal of Food and Feed Science – Technology*, 23, 39-48.
- Akbalık, S, Oral, R, Dağdelen, A, Alkın, E, Uğur, N, Davarcı, B, Karataş, AB, Sağlam, M. (2021). Determination Of Optimum Production Parameters In Carrot Chips, *The Journal of Food*, 46(3), 539-551. DOI: 10.15237/gida.GD20140

▪ **National Papers, Seminars, etc.**



**AYŞE BİNNUR KARATAŞ, M.Sc.**  
Food Engineer

**TAGEM**  
R&D AND INNOVATION

▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. The Effect of Different Dietary Fiber Sources on Advanced Glycation Products (AGEs) Formed in Biscuit Production and Investigation of Bioaccessibility / Master Thesis

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