



**TAGEM**  
R&D AND INNOVATION

CENTRAL RESEARCH INSTITUTE OF FOOD AND  
FEED CONTROL/ BURSA



**Semra ÇAVUŞ**  
Food Engineer, MSc.

## EDUCATION

- Ph.D.**  
2019-Ongoing  
Yıldız Technical University  
Faculty of Chemical and Metallurgical  
Engineering  
Department of Food Engineering
- M.Sc.**  
2014-2016  
Michigan State University  
Agricultural and Natural Resources  
School of Packaging
- Bachelor's Degree**  
2005-2010  
Hacettepe University  
Faculty of Engineering  
Department of Food Engineering

**LANGUAGE** English - YDS 85

## CAREER

- 2016-Ongoing / Food Engineer (Researcher), Central Research Institute of Food and Feed Control - Department of Packaging Technologies and Mineral, BURSA
- 2013-2014 / Food Engineer (Food Controller), Rize Directorate of Provincial Agriculture and Forestry - Department of Food and Feed, RİZE
- 2010-2011 / Product Manager, Bifa Biscuits and Food Factory Corporation - Marketing Department, İSTANBUL

## ABOUT ME

I was born in 1987 in İstanbul. I graduated from Hacettepe University, Department of Food Engineering in Türkiye. I completed my master's degree on food packaging in USA, Michigan State University, School of Packaging between 2014-2016 with Republic of Türkiye Ministry of Public Education Scholarship. I am a Ph.D. candidate at Yıldız Technical University, Department of Food Engineering and studying on food packaging materials for my thesis.

Since 2016, i have been working on analyses and projects about food contact articles and materials in the Department of Packaging Technologies and Minerals.

## CONTACT

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### ▪ **PROJECTS**

#### ▪ **Conducted & Ongoing Projects**

1. TAGEM - Çavuş S., Törnük F., Investigation of Total and Specific Migration Profiles of Organoclay Added Polymer / Clay Nanocomposite Packaging Films, 2022-2023, (Project Coordinator).
2. TAGEM - Demir C., Korkmaz E., Çavuş S., Gürbüz O., Determination of Volatile Component Profiles and Some Phenolic Composition of Gemlik Type Varieties (*Olea europaea L.*) Table Black Olives, 2020-2022, (Researcher).
3. TAGEM - Koçer S., Çopur O.U., Cinkilic N., Tamer C.E., Suna S., Kadioğlu B., Çavuş S., Akyıldız G., Determination of Physicochemical Properties of Encapsulated Chestnut Shell Pigments Obtained by Different Extraction Techniques and Investigation of Usage Possibilities in Food Industry, 2020-2022, (Researcher).
4. TAGEM - Çavuş S., Dağdelen A.F., Korkmaz E., Alkın E., Yüzay I.E., Evaluation of The Migration of Photoinitiator Used in Printing Inks of Paper and Flexible Plastic Food Packaging Materials, 2019-2021, (Project Coordinator).
5. TAGEM - Karaca M.Y., Dağdelen A.F., Hazar İ., Şahin G.F.B., Kadioğlu B., Korkmaz E., Çavuş S., Asan A.A., Investigation into The Migration Potential of Metal Substances From Plastic Based Materials Used In Packaging For Infant Formula And Child Food, 2018-2021, (Researcher).
6. TAGEM - Korkmaz E., Dağdelen A.F., Çavuş S., Alkın E., Davarcı B., Investigation Of Potential Migrants in Food Contact Polyethylene terephthalate (PET) Packagings, 2018, (Researcher).
7. TAGEM - Korkmaz E., Dağdelen A.F., Alkın E., Çavuş S., Karataş A.B., Birlik P.M., Çetin K., Investigation into The Migration Potential and Lacquer Properties of Lacquer Coating Can, 2017-2020, (Researcher).
8. TAGEM - Alkın E., Çetin K., Azar İ., Biricik G.F., Dağdelen A.F., Özcan A., Korkmaz E., Çavuş S., Investigation into The Migration Potential of Fluoropolimers Coating Materials from Pans, 2016-2018, (Researcher).



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### ■ **PUBLICATIONS**

### ■ **INTERNATIONAL ARTICLES AND PAPERS**

### ■ **Poster Papers**

1. Çavuş S., Korkmaz E., Biodegradable Food Packaging Materials, 3rd Bioenergy Studies Symposium, Samsun-Turkey (Online), May 2021.
2. Korkmaz E., Çavuş S., Use of Chitosan in Food, Packaging and Agricultural Applications, 3rd Bioenergy Studies Symposium, Samsun-Turkey (Online), May 2021.
3. Korkmaz E., Koçer H.B., Çavuş S., Dağdelen A.F., Migration of Acetaldehyde from Polyethylene Terephthalate (PET) Food Packaging, 1st International / 11th National Food Engineering Congress, Antalya-Turkey, November 2019.
4. Çavuş S., Törnük F., Korkmaz E., Nanocellulose Material for Food Packaging Applications, 5th International Conference on Natural and Engineering Science (ICNES 2019), Istanbul-Turkey, August 2019.
5. Korkmaz E., Akyıldız H. I., Çavuş S., Hydrogels in Food Packaging Applications, V. International Agriculture Congress (IAC 2019), Istanbul-Turkey, August 2019.
6. Dağdelen A.F., Çavuş S., Korkmaz E., Dağdelen A., "Validation Procedures of Analytical Methods Used in Controls of Food Contact Materials", 1st International Congress of Agriculture, Environment and Health, Aydın-Turkey, September 2018.
7. Çavuş S., Korkmaz E., Dağdelen A., Karataş A.B., "The Use of Certain Epoxy Derivatives in Food Contact Materials and Articles", 2nd International Conference on Agriculture, Food, Forest Sciences and Technologies (ICAFOF), İzmir-Turkey, April 2018.
8. Korkmaz E., Koçer H.B., Çavuş S., Dağdelen A.F., "Migration Risks of Phthalate Esters From Polyethylene Terephthalate (PET)", 2nd International Conference on Agriculture, Food, Forest Sciences and Technologies (ICAFOF), İzmir-Turkey, April 2018.
9. Çavuş S., Dağdelen A.F., Korkmaz E., "Review of Migration of Photoinitiators from Printing Inks", 4th International Food Congress, Bursa-Turkey, September 2017.
10. Korkmaz E., Dağdelen A.F., Çavuş S., "Antimicrobial Effects of Biodegradable Polylactic Acid (PLA) Food Packaging Containing Essential Oil", 4th International Food Congress, Bursa-Turkey, September 2017.



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

1. In-Service Training Information System (HIEBIS) Training on “Chemical Contaminants that May Transmit from Food Packaging Materials to Food” (September 2021).
2. Turkish Food Codex Commission, Food Contact Materials and Articles Sub-Committee (September 2017-Ongoing).