

## Res. Asst. MERVE KAPLAN

### Personal Information

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### Education Information

Postgraduate, Canakkale Onsekiz Mart University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2019 - Continues  
Undergraduate, Canakkale Onsekiz Mart University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, Turkey 2014 - 2019

### Foreign Languages

English, B2 Upper Intermediate

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Phage-encoded carbohydrate-interacting proteins in the human gut**  
Rothschild-Rodriguez D., Hedges M., KAPLAN M., KARAV S., Nobrega F. L.  
Frontiers in Microbiology, vol.13, 2023 (SCI-Expanded)
- II. **Release of bifidogenic N-glycans from native bovine colostrum proteins by an endo- $\beta$ -N-acetylglucosaminidase**  
Bunyatratchata A., Parc A. L., de Moura Bell J. M. L. N., Cohen J. L., Duman H., Arslan A., KAPLAN M., Barile D., KARAV S.  
Enzyme and Microbial Technology, vol.162, 2023 (SCI-Expanded)
- III. **Role of milk glycome in prevention, treatment, and recovery of COVID-19**  
KAPLAN M., ŞAHUTOĞLU A. S., Saritas S., Duman H., Arslan A., Pekdemir B., KARAV S.  
FRONTIERS IN NUTRITION, vol.9, 2022 (SCI-Expanded)
- IV. **Lactoferrin for COVID-19 prevention, treatment, and recovery**  
Bolat E., Eker F., KAPLAN M., Duman H., Arslan A., Saritas S., ŞAHUTOĞLU A. S., KARAV S.  
FRONTIERS IN NUTRITION, vol.9, 2022 (SCI-Expanded)
- V. **Immobilization of a Bifidobacterial Endo-ss-N-Acetylglucosaminidase to Generate Bioactive Compounds for Food Industry**  
Pekdemir B., Duman H., Arslan A., KAPLAN M., Karyelioglu M., ozer T., Kayili H. M., SALİH B., Henrick B. M., Duar R. M., et al.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.10, 2022 (SCI-Expanded)
- VI. **Benefits of A2 Milk for Sports Nutrition, Health and Performance**  
KAPLAN M., BAYDEMİR B., GÜNDAR B. B., Arslan A., Duman H., KARAV S.  
FRONTIERS IN NUTRITION, vol.9, 2022 (SCI-Expanded)
- VII. **Production of Bovine Colostrum for Human Consumption to Improve Health**  
KAPLAN M., Arslan A., Duman H., Karyelioglu M., BAYDEMİR B., Guenar B. B., Alkan M., Bayraktar A., Tosun H. I., Ertuerk M., et al.  
FRONTIERS IN PHARMACOLOGY, vol.12, 2022 (SCI-Expanded)
- VIII. **Recombinant Production of Bifidobacterial Endoglycosidases for N-glycan Release**

- Sucu B., Bayraktar A., Duman H., Arslan A., KAPLAN M., Karyelioglu M., Ntelitze E., Tastekin T., Yetkin S., Erturk M., et al.  
JOVE-JOURNAL OF VISUALIZED EXPERIMENTS, no.173, 2021 (SCI-Expanded)
- IX. **Bovine Colostrum and Its Potential for Human Health and Nutrition**  
Arslan A., KAPLAN M., Duman H., Bayraktar A., Erturk M., Henrick B. M., Frese S. A., KARAV S.  
FRONTIERS IN NUTRITION, vol.8, 2021 (SCI-Expanded)
- X. **Potential Applications of Endo-beta-N-Acetylglucosaminidases From *Bifidobacterium longum* Subspecies *infantis* in Designing Value-Added, Next-Generation Infant Formulas**  
Duman H., KAPLAN M., Arslan A., ŞAHUTOĞLU A. S., Kayili H. M., Frese S. A., KARAV S.  
FRONTIERS IN NUTRITION, vol.8, 2021 (SCI-Expanded)
- XI. **N-glycans from human milk glycoproteins are selectively released by an infant gut symbiont in vivo**  
KARAV S., Casaburi G., Arslan A., KAPLAN M., Sucu B., Frese S.  
JOURNAL OF FUNCTIONAL FOODS, vol.61, 2019 (SCI-Expanded)

## Metrics

Publication: 11  
Citation (WoS): 28  
Citation (Scopus): 32  
H-Index (WoS): 4  
H-Index (Scopus): 4

## Scholarships

YLSY, Ministry of Education, 2021 - Continues