

## Asst. Prof. AYSUN CEBECİ AYDIN

### Personal Information

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### Education Information

Post Doctorate, Massachusetts Institute Of Technology, Koch Institute Of Integrative Cancer Research, United States Of America 2014 - 2015

Doctorate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya, Turkey 2002 - 2008

Postgraduate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 1999 - 2002

Undergraduate, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler, Turkey 1994 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Molecular identification and typing of *Lactobacillus delbrueckii* subspecies *bulgaricus* and *Streptococcus thermophilus*, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya, 2008

Postgraduate, Characterization of *Lactobacillus plantarum* strains as probiotics, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya, 2002

### Research Areas

Health Sciences, Medicine, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Medical Microbiology, Food Engineering, Food Science, Food Microbiology, Food Biochemistry, Life Sciences, Biochemistry, Microbial Biochemistry, Bioinformatics, Biodiversity, Biological Information, Biotechnology, Microbial Biotechnology, Microbiology, Bacteriology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği, 2018 - Continues

Assistant Professor, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği, 2011 - 2018

Other, Massachusetts Institute Of Technology, Koch Institute , Integrative Cancer Research, 2014 - 2015

Assistant Professor, Aksaray Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji, 2009 - 2011

### Advising Theses

CEBECİ AYDIN A., Investigation of intestinal microbiota and its interaction with intestinal stem cells, Doctorate,

M.Sefa(Student), Continues

CEBECİ AYDIN A., Survival of probiotic organisms with yoghurt starter cultures during storage, Postgraduate,

I.Köse(Student), 2011

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **One-pot conjugated linoleic acid production from castor oil by *Rhizopus oryzae* lipase and resting cells of *Lactobacillus plantarum***  
Khaskheli A. A. , Talpur F. N. , CEBECİ AYDIN A., Jawaid S., Surhio M. A. , Afridi H. I.  
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, vol.81, no.10, pp.2002-2008, 2017 (Journal Indexed in SCI)
- II. **Glucose-dependent anaplerosis in cancer cells is required for cellular redox balance in the absence of glutamine**  
Cetinbas N. M. , Sudderth J., Harris R. C. , Cebeci A., Negri G. L. , Yilmaz O. H. , DeBerardinis R. J. , Sorensen P. H.  
SCIENTIFIC REPORTS, vol.6, 2016 (Journal Indexed in SCI)
- III. **Monitoring the *Rhizopus oryzae* lipase catalyzed hydrolysis of castor oil by ATR-FTIR spectroscopy**  
KHASKHELI A. A. , TALPUR F. N. , ASHRAF M. A. , Cebeci A., JAWAID S., AFRIDI H. I.  
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.113, pp.56-61, 2015 (Journal Indexed in SCI)
- IV. **A highly selective whole cell biocatalysis method for the production of two major bioactive conjugated linoleic acid isomers**  
Khaskheli A. A. , Talpur F. N. , DEMİR A., Cebeci A., Jawaid S.  
Biocatalysis and Agricultural Biotechnology, vol.2, no.4, pp.328-332, 2013 (Journal Indexed in SCI Expanded)
- V. **Comparative typing of *L. delbrueckii* subsp *bulgaricus* strains using multilocus sequence typing and RAPD-PCR**  
Cebeci A., Gurakan G. C.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.233, no.3, pp.377-385, 2011 (Journal Indexed in SCI)
- VI. **Molecular methods for identification of *Lactobacillus delbrueckii* subsp *bulgaricus* and *Streptococcus thermophilus* using methionine biosynthesis and 16S rRNA genes**  
Cebeci A., Guerakan G. C.  
JOURNAL OF DAIRY RESEARCH, vol.75, no.4, pp.392-398, 2008 (Journal Indexed in SCI)
- VII. **Properties of potential probiotic *Lactobacillus plantarum* strains**  
Cebeci A., GURAKAN C.  
FOOD MICROBIOLOGY, vol.20, no.5, pp.511-518, 2003 (Journal Indexed in SCI)

## Books & Book Chapters

- I. **Milk Hygiene Education in Turkey**  
CEBECİ AYDIN A.  
in: HMILK: Key Components of Milk Hygiene from Farm to Consumer Project Reports, Cebeci Aydin A, Tutar H., Sakiroglu M., Editor, Serka Development Agency, Kars, pp.36-43, 2012
- II. **Türkiye’de Süt Hijyeni Eğitimi**  
CEBECİ AYDIN A.  
in: HMILK: C, iftlikten Tu“ketickiye Su“t Hijyeninin Anahtar Biles,enleri (HMILK: Key Components of Milk Hygiene from Farm to Consumer) Proje Raporları, Cebeci Aydin A., Tutar H., Sakiroglu M. , Editor, Serka Kalkınma Ajansı, Kars, pp.46-55, 2012
- III. **Probiotic dairy beverages: Microbiology and Technology**  
Gürakan G. C. , CEBECİ AYDIN A., Özer B.  
in: Development and manufacture of yoghurt and other functional dairy probiotics, Yıldız F., Editor, Crc Press, Florida, pp.45-65, 2009

## Refereed Congress / Symposium Publications in Proceedings

- I. **INTESTINAL MICROBIAL DIVERSITY CHANGES SIGNIFICANTLY ON A WESTERN DIET**  
ULUTAŞ M. S. , Doğan O., Gürakan G. C. , AYDIN E., CEBECİ AYDIN A.  
Targeting Microbiota 2018, 28 - 30 October 2018

## Supported Projects

CEBECİ AYDIN A., TUBITAK Project, Investigation of nanoparticle-based drug delivery systems on intestinal organoid cultures, 2017 - Continues

CEBECİ AYDIN A., TUBITAK Project, Modulation of intestinal microbiota through paneth cells, 2014 - 2015

## Scientific Refereeing

December 2015

May 2011

May 2011

## Edit Congress and Symposium Activities

1. yaşam bilimleri Sempozyumu, Invited Speaker, Kayseri, Turkey, 2016

1. yaşam bilimleri sempozyumu, Attendee, Kayseri, Turkey, 2016

## Citations

Total Citations (WOS):166

h-index (WOS):4

## Scholarships

2219- Yurtdışı Doktora Sonrası Araştırma programı, TUBITAK, 2014 - Continues