

## **Personal Information**

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## **Education Information**

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyokimya (YI) (Tezli), Turkey 1987 - 1991

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biyokimya (YI) (Tezli), Turkey 1984 - 1987

Under Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1979 - 1984

## **Dissertations**

Post Graduate, Isolation, identification and characterization of non-Saccharomyces and Saccharomyces yeasts in traditional wines made from five different national grapes in Turkey, Middle East Technical University, Faculty Of Engineering, Department Of Food Engineering, 2019

## **Research Areas**

Health Sciences, Agricultural Sciences, Engineering and Technology

## **Academic Titles / Tasks**

Professor, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, 1991 - Continues

## **Advising Theses**

GÜLTEKİN G. C. , Utilization of whey powder in the encapsulation of Lactobacillus acidophilus by spray drying for the production of probiotic yogurt, Post Graduate, C.DEĞİRMENÇİ(Student), 2017

GÜLTEKİN G. C. , Physiological traits of Saccharomyces cerevisiae strains isolated from traditional wines in Turkey, Post Graduate, Ç.ÇAVDAROĞLU(Student), 2017

GÜLTEKİN G. C. , Molecular identification and probiotic properties of Lactobacillus acidophilus group isolates from Turkish kefir, Post Graduate, Ş.GÜLEL(Student), 2014

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

- **Change of microbial community composition in anaerobic digesters during the degradation of nonylphenol diethoxylate**

Murdoch F. K. , Murdoch R. W. , Gurakan C., Sanin F. D.

INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.135, pp.1-8, 2018 (Journal Indexed in SCI)

- **Comparison of RAPD-PCR and PFGE analysis for the typing of Streptococcus thermophilus strains isolated from traditional Turkish yogurts**

Ghazi F., Kihal M., Altay N., Gurakan G. C.

ANNALS OF MICROBIOLOGY, vol.66, pp.1013-1026, 2016 (Journal Indexed in SCI)

- **Recombinant plasmid-based quantitative Real-Time PCR analysis of Salmonella enterica serotypes and**

**its application to milk samples**

Gokduman K., AVŞAROĞLU ERKAN M. D. , Cakiris A., Ustek D., Gurakan G. C.

JOURNAL OF MICROBIOLOGICAL METHODS, vol.122, pp.50-58, 2016 (Journal Indexed in SCI)

• **Kefir: A Multifaceted Fermented Dairy Product**

Nielsen B., Gurakan G. C. , Uenlue G.

PROBIOTICS AND ANTIMICROBIAL PROTEINS, vol.6, pp.123-135, 2014 (Journal Indexed in SCI)

• **PHENOTYPIC DIVERSITY AND TECHNOLOGICAL PROPERTIES OF YOGURT CULTURES ISOLATED FROM TRADITIONALLY PRODUCED TURKISH YOGURTS WITH COMPARISON TO COMMERCIAL STARTER CULTURES**

Dede N. A. , Acar-Soykut E., Gurakan G. C.

ITALIAN JOURNAL OF FOOD SCIENCE, vol.26, pp.308-316, 2014 (Journal Indexed in SCI)

• **Comparative typing of *L. delbrueckii* subsp *bulgaricus* strains using multilocus sequence typing and RAPD-PCR**

Cebeci A., GÜLTEKİN G. C.

EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.233, pp.377-385, 2011 (Journal Indexed in SCI)

• **Qualitative detection of GM maize (Bt 11) in food and feed sold commercially in Turkey by PCR based methods**

Gurakan G. C. , Aydin G., Yilmaz R.

INDIAN JOURNAL OF BIOTECHNOLOGY, vol.10, pp.143-146, 2011 (Journal Indexed in SCI)

• **Effects of starter culture combinations using isolates from traditional cheese on the quality of Turkish white cheese**

Kayagil F., GÜLTEKİN G. C.

INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.62, pp.387-396, 2009 (Journal Indexed in SCI)

• **Molecular methods for identification of *Lactobacillus delbrueckii* subsp *bulgaricus* and *Streptococcus thermophilus* using methionine biosynthesis and 16S rRNA genes**

Cebeci A., Gurakan G. C.

JOURNAL OF DAIRY RESEARCH, vol.75, pp.392-398, 2008 (Journal Indexed in SCI)

• **Differentiation of *Salmonella* Typhimurium from *Salmonella* Enteritidis and other *Salmonella* serotypes using random amplified polymorphic DNA analysis**

Gurakan G. C. , AKSOY C., Ogel Z. B. , Oren N. G.

POULTRY SCIENCE, vol.87, pp.1068-1074, 2008 (Journal Indexed in SCI)

• **Effect of controlled atmosphere storage modified atmosphere packaging and gaseous ozone treatment on the survival of *Salmonella* Enteritidis on cherry tomatoes**

DAS E., GÜZİN CANDAN G. C. , BAYINDIRLI A.

Food Microbiology, vol.23, pp.430-438, 2006 (Journal Indexed in SCI Expanded)

• **Behavior and control of *Listeria innocua* during manufacture and storage of Turkish White Cheese**

OZTURKOGLU S., Gurakan G. C. , Alpas H.

EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.222, pp.614-621, 2006 (Journal Indexed in SCI)

• **Properties of potential probiotic *Lactobacillus plantarum* strains**

Cebeci A., Gurakan C.

FOOD MICROBIOLOGY, vol.20, pp.511-518, 2003 (Journal Indexed in SCI)

• **Combined effect of high hydrostatic pressure treatment and hydrogen peroxide on *Salmonella* Enteritidis in liquid whole egg**

Isiker G., Gurakan G. C. , Bayindirli A.

EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.217, pp.244-248, 2003 (Journal Indexed in SCI)

• **Characterization of *Salmonella* enteritidis isolates of chicken, egg and human origin from Turkey**

İçgen B., Gurakan G. C. , Özcengiz G.

FOOD MICROBIOLOGY, vol.19, pp.375-382, 2002 (Journal Indexed in SCI)

• **Colicinogeny, lipopolysaccharide and outer membrane protein profiles of multi-drug resistant *Salmonella* typhimurium isolates from Turkey**

İçgen B., Elpek G., Özcengiz G., Gültekin G. C.

Turkish Journal Of Medical Sciences, pp.483-486, 2002 (Journal Indexed in SCI Expanded)

• **Characterisation of local isolates of Enterobacteriaceae from Turkey**

İcgen B., Gurakan G. C. , Ozcengiz G.

MICROBIOLOGICAL RESEARCH, vol.157, pp.233-238, 2002 (Journal Indexed in SCI)

- **Effects of plasmid curing on antibiotic susceptibility, phage type, lipopoly saccharide and outer membrane protein profiles in local Salmonella isolates**

İcgen B., Gurakan G. C. , Ozcengiz G.

FOOD MICROBIOLOGY, vol.18, pp.631-635, 2001 (Journal Indexed in SCI)

- **Characterization of extracellular beta-lactamases from penicillin G-resistant cells of Streptococcus thermophilus**

Chirica L., Guray T., Gurakan G. C. , Bozoglu F.

JOURNAL OF FOOD PROTECTION, vol.61, pp.896-898, 1998 (Journal Indexed in SCI)

- **Stability of a recombinant plasmid carrying alpha-amylase gene in Bacillus subtilis**

Gurakan G. C. , Bayindirli A., Ogel Z., Tanboga P.

WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.14, pp.293-295, 1998 (Journal Indexed in SCI)

- **Effects of gamma irradiation on the survival of Listeria monocytogenes and on its growth at refrigeration temperature in poultry and red meat**

Gursel B., Gurakan G. C.

POULTRY SCIENCE, vol.76, pp.1661-1664, 1997 (Journal Indexed in SCI)

- **IDENTIFICATION OF LACTOBACILLUS STRAINS FROM TURKISH-STYLE DRY FERMENTED SAUSAGES**

GURAKAN G. C. , BOZOGLU F., WEISS N.

FOOD SCIENCE AND TECHNOLOGY-LEBENSMITTEL-WISSENSCHAFT & TECHNOLOGIE, vol.28, pp.139-144, 1995 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- **Diversity of wild non-Saccharomyces yeast population in must and wine during spontaneous wine fermentation**

GÜLTEKİN G. C. , Aktuna İ., Monir E. S. , Cavdaroglu C.

Proceedings of applied Microbiology, Edinburgh, Saint Helena, 12 - 13 November 2018, vol.4, pp.43

- **Production of Plain Set-Type Yogurt with Lactobacillus Acidophilus Encapsulated in Whey and Gum Arabic Mixtures by Spray Drying.**

DEĞİRMENCİ C., ÖZDEMİR K. S. , GÜLTEKİN G. C. , ÖGEL Z. B.

1st International Food and Medicine Congress (IFMC 2018), 24 - 27 May 2018

## Supported Projects

GÜLTEKİN G. C. , SEYED MONİR E., Project Supported by Higher Education Institutions, TÜRKİYE'DE YETİŞTİRİLEN DÖRT VİTİS VİNİFERA ÜZÜM ÇEŞİDİNDEKİ ŞARAPLARDAKİ AROMA BİLEŞİKLERİ KARŞILAŞTIRMASI, 2018 - 2019

GÜLTEKİN G. C. , ULUTAŞ M. S. , Project Supported by Higher Education Institutions, Geleneksel yoğurtlardan izole edilmiş Lactobacillus delbrueckii subsp. bulgaricus kültürlerinin 16S rDNA sekanslanması ve PFGE metodu ile genotipik farklılıklarının belirlenmesi, 2017 - 2017

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, GELENEKSEL ŞARAP BAĞLANTILI SACCHAROMYCES CEREVISIAE SUŞLARININ MOLEKÜLER KARAKTERİZASYONU, 2017 - 2017

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

GÜLTEKİN G. C. , BALCI O., Eyüboğlu Ö., Çetinkaya A., Çavdaroglu Ç., Project Supported by Higher Education Institutions, Yöre üzümünün yıkama suyundan, must ve geleneksel şaraplarından Saccharomyces cerevisiaea izolasyonu, tanı ve PFGE ile tiplendirme, 2014 - 2016

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ

PROJESİ, 2014 - 2015

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, PFGE yöntemi ile Geleneksel yoğurtlardan izole edilmiş Streptococcus thermophilus kültürlerinin (PFGE) ve RAPD-PCR metotları ile genotipik farklılıklarının belirlenmesi, 2013 - 2013

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, Kefirden İzole Edilen Probiyotik Lactobacillus Acidophilus Suşlarının Rapd-Pcr İlealttıplemesi, 2011 - 2011

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, Süt Ve Süt Ürünlerinde Salmonella Spl.'nin Real - Time Pcr Yöntemi İle Tanısı İçin Kullanılan İki Önemli Gen Bölgesinin Karşılaştırılması, 2010 - 2010

GÜLTEKİN G. C. , Project Supported by Higher Education Institutions, Genetik Modifiye (gm) Mısırlarda Etiketleme Gereği "quantifikasyon", 2009 - 2009

## Citations

Total Citations (WOS):379

h-index (WOS):9

## Invited Talks

Diversity of wild non-Saccharomyces yeast population in mustand wine during spontaneous wine fermentation, Conference, United Kingdom, November 2019