

ELIF AYLIN OZUDOGRU, PhD

Date / Place of Birth September 30, 1975 / Istanbul, Turkey
Current position: Assistant Professor at the Gebze Institute of Technology, Faculty of Science, Department of Molecular Biology and Genetics. İstanbul cad. No: 101, 41400, Gebze, Kocaeli, Turkey
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EDUCATION

2005-2006 Post-Doc (CNR-IVALSA, Florence, Italy)
2000-2005 Ph.D (Gebze Institute of Technology, Turkey)
1997-2000 MSc. (Gebze Institute of Technology, Turkey)
1993-1997 BSc. (Istanbul University, Biology Department)

FOREIGN LANGUAGE

English Written, Perfect; Comprehension, Perfect
Italian Written, Good; Comprehension, Good

RESEARCH AREAS

Plant Tissue Culture *In vitro* plant propagation of woody and herbaceous, ornamental and horticultural plants, effect of gaseous compounds (CO₂ and ethylene) on *in vitro* plant cultures, synthetic seed production, TIS-temporary immersion bioreactor systems.

Biodiversity Conservation Short-, medium- (“slow growth storage”) and long-term conservation (“cryopreservation”) of plant germplasm, gas chromatographic analysis.

Plant Biotechnology Plant molecular genetics, PCR-based molecular markers, somaclonal variation, TTC viability test, ESEM microscopic analysis, histoanatomic observations.

ACADEMIC POSITION

2007- Assistant Professor Gebze Institute of Technology, Faculty of Science, Department of Molecular Biology and Genetics
1998-2007 Research Assistant Gebze Institute of Technology, Faculty of Science, Department of Molecular Biology and Genetics

MAIN ACTIVITIES AND RESPONSABILITIES

2008-.... Responsible of the “Plant Conservation and Cryopreservation Laboratory” of GYTE, Department of Molecular Biology and Genetics
2008-.... Head of the GYTE Research Project “Micropropagation of *Thymus vulgaris* and long-term storage of its germplasm by means of cryopreservation”
2007-.... Teaching “Plant Physiology” and “Conservation of Plant Biodiversity” to graduate students (MSc/Ph.D.) at GYTE, Department of Molecular Biology and Genetics
2003-2007 Elected Representative of GYTE at “Council of Research Assistants”
2005-.... Co-responsible of the “Plant Tissue Culture and Molecular Biology Laboratory” of GYTE, Department of Molecular Biology and Genetics

SUPERVISING EXPERIENCE

- 2007-2010 MSc. student (thesis on cryopreservation of *Sequoia sempervirens*)
2008-2011 Ph.D student (thesis on *in vitro* propagation, conservation and cryopreservation of *Thymus* spp.)
2010-.... Ph.D student

REVISIONS FOR INTERNATIONAL JOURNALS

Advances in Horticultural Science, Italy
CryoLetters, UK
In Vitro Cellular and Developmental Biology-Plant, USA
Journal of Horticultural Science, USA
Plant Cell, Tissue and Organ Culture, Netherlands
Propagation of Ornamental Species, Bulgaria (in the editorial board since January 2011)
Turkish Journal of Agriculture and Forestry, Turkey (as an editor)
Turkish Journal of Botany, Turkey

INVITED SPEAKER

Invited speaker at the “1st Meeting of Working Group 2 – Technology, application and validation of plant cryopreservation”, which was held in Florence on May 10-12, 2007, in the frame of the COST Action 871 “Cryopreservation of Crop Species in Europe”. Title “The current status of plant genetic diversity in Turkey and implications for cryopreservation studies”.

Invited speaker at the National Conference on “Micropropagation in Italy: Present Situation and Future Prospects”, Legnaro (PD), Italy, November 20-21, 2008. Title “Micropropagation in Turkey, Greece and Bulgaria”.

AWARDS / FELLOWSHIPS (achieved as a student / researcher)

- CNR Fellowship CNR, Rome, Italy (June 2010 – August 2011)
In the frame of a national project “VITROFLOR”
STM Fellowship CNR, Rome, Italy (April 2009)
Short-Term Mobility Programme for Scientists and Researchers
Post-Doc Fellowship CNR/IVALSA, Florence, Italy (September 2005- October 2006)
Encouragement Award TUBITAK, Scientific and Technological Research Council of Turkey (September, 2005)
For research article, “Effect of silver nitrate on multiple shoot formation of Virginia-type peanut through shoot tip culture”
IBPGR Fellowship IBPGR, Rome, Italy (September, 2005)
Attandance to the International Workshop on “Crymcept; Cryopreservation in Support of Conservation of European Plant Genetic Resources”, held in Leuven, Belgium
SIVB Travel Award SIVB, San Francisco, USA (May 2004)
For the poster presentation on micropropagation of peanut
Mashav Fellowship MASHAV, Israel (December 2000- February 2001)
Attandance to the International Course on “Biotechnology in Agriculture: Plants and Microorganisms”, held in Rehovot, Israel

AWARDS / FELLOWSHIPS (achieved with students' thesis)

- SIVB Student Travel Award SIVB, St. Louis, Missouri, USA (June 2010)
and Registration Fellowship For the poster presentation on cryopreservation of *Sequoia sempervirens* (presented by PhD student Emrah Kirdok)
Philip R. White Award SIVB, St. Louis, Missouri, USA (June 2010)

And Registration Fellowship For the poster presentation on micropropagation and cryopreservation of *Thymus* spp. (presented by PhD student Ergun Kaya)

John S. Song and SIVB SIVB, Charleston, South Carolina, USA (June 2009)

Travel Awards For the poster presentation on medium- and long-term conservation of *Sequoia sempervirens* (presented by MSc student Emrah Kirdok)