

Curriculum Vitae

Personal information

Surname / First name

Gravalos Ioannis
Associate Professor

Address

Technological Educational Institute of Thessaly,
School of Agricultural Technology & Food Technology & Nutrition,
Department of Biosystems Engineering,
41110 Larissa (Greece)

Telephone

+30 2410 684 216

Fax

+30 2410 613 153

E-mail

gravalos@teilar.gr

Personal websites

<http://www.teilar.gr/person.php?pid=105>
<http://www.emestlab.com/>

Research Interests

- Agricultural Mechatronics & Automation
- Farm Machinery Design
- Intelligent Fault Diagnosis Systems
- Renewable Energy Engineering & Biofuel Combustion Engines

Education and training

Dates

11/1989 - 11/1992

Title of qualification
awarded

Doctor of Philosophy (PhD) in Sciences of Agriculture and Forestry

Principal subjects /
occupational skills covered

Development of an automatic controller for small and medium irrigation systems

Name and type of
organisation providing
education and training

Agricultural University of Prague,
Faculty of Agricultural Engineering,
Department of Electrical Engineering & Automation

Dates

11/2009 - 07/2012

Title of qualification
awarded

MSc in Biotechnology – Nutrition & Environment

Principal subjects /
occupational skills covered

The role of hesp1 gene in abiotic stress tolerance in *Arabidopsis Thaliana*

Name and type of organisation providing education and training | University of Thessaly,
School of Health Sciences,
Department of Biochemistry & Biotechnology

Dates | **09/1981 - 08/1986**

Title of qualification awarded | Dipl.-Ing. in Agricultural Engineering

Principal subjects / occupational skills covered | The design of hydrostatic transmission of 80-100 kW wheeled tractors

Name and type of organisation providing education and training | Agricultural University of Prague,
Faculty of Agricultural Engineering

Scholarships

Dates | **11/1989 - 11/1992**

Scholarship from the Greek Ministry of Education, via the cultural exchange program between Greece and the Czech Republic, for postgraduate studies at University of Agriculture Prague

Awards

Dates | September 2013

Bronze Medal and Certificate for long-term cooperation in science and research, Agriculture University of Prague

Work experience

Dates | **04/05/1992 - 31/01/2003**

Occupation or position held | Technical Director
Industrial experience in quality and reliability management in maintenance and automation technology for agricultural and off-road machinery

Name and address of employer | DEMETER S.A. (Import - Export - Industry),
107 Avlonos,
10443 Athens,
Greece

Dates | **29/07/1989-12/11/1989**

Occupation or position held | Agricultural Engineer

Name and address of employer Hellenic Sugar Industry S.A.
Larissa Sugar Factory

Teaching experience

Dates **01/02/2003 - 31/03/2006**

Occupation or position held Research Assistant

Name and address of employer Technological Educational Institute of Larissa,
School of Agricultural Technology,
Department of Agricultural Machinery & Irrigations,
41110 Larissa,
Greece

Dates **01/04/2006 -20/06/2013**

Occupation or position held Assistant Professor

Name and address of employer Technological Educational Institute of Larissa,
School of Agricultural Technology,
Department of Biosystems Engineering,
41110 Larissa,
Greece

Dates **20/06/2013 - Today**

Occupation or position held Associate Professor

Name and address of employer Technological Educational Institute of Thessaly,
School of Agricultural Technology & Food Technology & Nutrition,
Department of Biosystems Engineering,
41110 Larissa,
Greece

Dates **1/10/2009 - Today**

Occupation or position held Academic staff in the Postgraduate Study Program: "Automation in irrigation, in agricultural constructions and in the mechanization of agriculture"

Name and address of employer University of Thessaly,
School of Agricultural Sciences,
Department of Agriculture Crop Production and Rural Environment,
Fytokou Str.,
38446 N. Ionia, Magnisia,
Greece

Teaching activity

Undergraduate courses

- Measurement Technology
- Electrical Engineering
- Agricultural mechatronics
- Computer Aided Design
- Agricultural Machinery
- Energy & Agriculture

Postgraduate courses

- Agricultural Systems Modelling and Fault Diagnostics in Agricultural Machines
- Automation of Agricultural Field Machinery
- Robotic Applications in Agriculture
- Digital Control Systems

Personal skills and competences

Mother tongue(s)

Greek

Other language(s)

Self-assessment

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user
Czech	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user
Italian	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user

Administrative work

Dates

2006-2009

Occupation or position held

Council member of the Department of Agricultural Machinery and Irrigation, Technological Educational Institute of Larissa

Dates	2006-2009
Occupation or position held	Head of the II Division, Department of Agricultural Machinery and Irrigation, Technological Educational Institute of Larissa
Dates	2006-2016
Occupation or position held	Responsible of the "ERASMUS" European student exchange program for the Department of Biosystems Engineering
Research	Founder and head of EMEST LAB group, Department of Biosystems Engineering, Technological Educational Institute of Thessaly
Research Projects	<ul style="list-style-type: none"> ○ Number: ESPA/55227525-01-000228, Position: Coordinator, Title: Estimation of calorific value of biomass, Start/ finish year: 2011-2012, Fund (€): 7.000 ○ Number: ESPA/68590100-01-000271, Position: Coordinator, Title: The use of alcohol gasoline blends in non-road gasoline engines, Start/ finish year: 2011-2012, Fund (€): 7.000 ○ LIFE 09 ENV/GR/000296: Adapt agricultural production to climate change and limited water supply, Start/ finish year: 2010-2014, Fund (€): 2.600.000
Member of scientific associations	<ul style="list-style-type: none"> ○ Agricultural Society of Larissa ○ Geotechnical Chamber of Greece ○ Hellenic Society of Agricultural Engineers ○ European Society of Agricultural Engineers
Publications	<ul style="list-style-type: none"> A. Theses: 4 B. Patents:2 C. Books: 1 D. Book Chapters: 4 E. International Journals: 31 F. International Conference Proceedings: 42 G. Greek Conference Proceedings: 39 H. Technical Articles: 9