



Mediterranean Agronomic Institute of Chania (MAICH)

The Mediterranean Agronomic Institute of Chania, Greece, established in 1985, is a constituent Institute of the International Centre of Advanced Mediterranean Agronomic Studies - CIHEAM (intergovernmental organisation) * www.ciheam.org.

The Mediterranean Agronomic Institutes at Bari (Italy), Montpellier (France) and Zaragoza (Spain) are also constituent Institutes of the same organisation.

CIHEAM country members: Albania, Algeria, Egypt, France, Greece, Italy, Lebanon, Malta, Morocco, Portugal, Spain, Tunisia, Turkey.

*EU Classification: International Organization of European Interest.

INDICATORS OF QUALITATIVE ACADEMIC PERFORMANCE* (Master of Science - MSc)

Research Indicators

39% of the total number of research theses have been published in peer review journals (256 publications),

43% have been presented and published in international conferences and proceedings.

Academic Mobility Indicators

28% of graduates have been accepted with full scholarships in PhD programmes by high ranking universities,

30% graduates and PhD holders serve as University Professors in their home country or abroad.



INDICATORS OF NATIONAL CONTRIBUTION VALORISATION **

112,36 % of **Research and Developmental** funds are competitively awarded to the Institute, in addition to the national contribution from the **Hellenic Ministry of Rural Development and Food:**

- EU support framework on Research and Technological Development Policy: **37,45 %**
- EU/GR support framework on Regional, Interregional and Neighbourhood Policy: **48,14 %**
- Bilateral Hellenic Aid program of the **Ministry of Foreign Affairs:** **19,55 %**
- Provision of certified **ISO 9001:2000** for Conference Services and accredited **ISO 17025** for Laboratory Testing, Studies and other Services: **7,22 %**

*(1987-2006, Accumulative), **(1987-2006, Mean Average)

Postgraduate Programmes - M.Sc.

- **Business Economics and Management**
- **Environmental Management**
- **Horticultural Genetics and Biotechnology**
- **Food Quality and Chemistry of Natural Products**
- **Natural Products and Biotechnology**
- **Sustainable Agriculture**

For more information,
visit our website at:
<http://www.maich.gr>
or send inquiries to
info@maich.gr

MAICH at a Glance

ACADEMIC

DEVELOPMENT/COOPERATION

INTERSECTIONAL SUPPORT

Business Economics and Management
<http://www.maich.gr/econ/>

Environmental Management
<http://www.maich.gr/env/>

Horticultural Genetics and Biotechnology
<http://www.maich.gr/hort/>

Food Quality and Chemistry of Natural Products
<http://www.maich.gr/fqm/>

Natural Products & Biotechnology
<http://www.maich.gr/np/>

Sustainable Agriculture
<http://www.maich.gr/sust/>

MEDITERRANEAN PLANT CONSERVATION UNIT
<http://www.maich.gr/p/garden/>

Areas of Competence	Research Facilities	ISO Laboratory Services	Facilities and Conference Center Services
<ul style="list-style-type: none"> Management of Agribusiness Firms Marketing of Organic and Food Quality Products Financial Analysis and Applications Operational Management Methods E-commerce Practices and Services 	<ul style="list-style-type: none"> Computer Laboratories Specialised Software Specialised Databases 	 	<p>Informatics, Development & Applications http://www.maich.gr/p/ist/</p> <ul style="list-style-type: none"> Collaborative Development and Implementation of IT Based Applications, Web Applications <p>http://www.maich.gr/p/gfx/ Graphics Design/Layout, Digital Reproduction</p> 
<p>Earth Observation and Decision Support using GIS/RS</p> <p>Spatial Planning and Environmental Impact Assessment</p> <p>Environmental and Agroenvironmental Modelling and Management</p> <ul style="list-style-type: none"> Management of Mediterranean Ecosystems 	<p>Laboratory of Geographic Information Systems and Remote Sensing</p> <p>Automated Cartography Unit</p> <ul style="list-style-type: none"> Field Survey Unit Natural Objects Multispectral Identification Unit Forest Fire Wind Tunnel Simulator Unit 	 <p>Laboratory of GIS & RS</p>	<p>Library and Documentation Centre http://www.maich.gr/library/</p> <ul style="list-style-type: none"> On-line Information Retrieval to several Bibliographic Databases On-line Access to the full-text of many Scientific Journals Bibliographical Research and Disposition of Documentation Services to non-EU Educational and Research Partner Institutions  
<ul style="list-style-type: none"> DNA Fingerprinting and Biodiversity Assessment GMO Certification DNA Based Agrofood Traceability and Authentication Post Harvest Biotechnology Plant Biotechnology Applications 	<ul style="list-style-type: none"> Laboratory of Plant Biotechnology and GMO Testing Laboratory of Plant Molecular Histology Laboratory of Horticultural Products Quality 	<ul style="list-style-type: none"> Qualitative and Quantitative Detection of Genetically Modified Organisms in Food and Agricultural Products (ISO 17025 under development) <p>http://www.maich.gr/services/gmo</p>  <p>Real Time PCR</p>	 <p>Poseidon</p>
<ul style="list-style-type: none"> Food Chemistry Natural Products: Isolation, Structural Elucidation Antioxidants: Products and Methodologies Food Quality Management Product Authentication, Chemical Fingerprinting 	<p>Laboratory of Chemistry of Natural Products and Analytical Chemistry</p>	<ul style="list-style-type: none"> Chemical Analyses in Olive Oil, Honey. Toxicant Residue Determination (water,oil, vegetables) Antibiotics in Honey (ISO 17025) <p>http://www.maich.gr/services/residuals</p>  <p>LC/MS</p>	 <p>Restaurant Mediterranean</p>
<ul style="list-style-type: none"> Natural Product Characterization and Analysis Enzymology of Secondary Metabolism Engineering Oxidative Stress Pathways Plant Molecular Biology and Biotechnology Applications Plant Molecular Biology Applications 	<ul style="list-style-type: none"> Laboratory of Plant Molecular Biology and Biochemistry Microbiological Safety Room 	 <p>ICP-AES</p>  <p>Ion Chromatograph</p>	<p>Conference Centre (ISO 9001:2000) http://www.maich.gr/conference/</p> <ul style="list-style-type: none"> Organization and Administrative Support to Conferences, Seminars, Meetings and Summer Schools <p>Accommodation and Conference Facilities</p> <ul style="list-style-type: none"> Academic Village: 15 stone houses established in the botanical garden Student Dormitories: 66 double, 50 single and 8 lofts Special Facilities available for the Disabled Laundry Facilities Restaurants Wired or Wireless Internet connection provided in all Facilities <p>Conference Space Capacity</p> <ul style="list-style-type: none"> Maximum Capacity: 600 Maximum Capacity in Plenary Session: 350 Up to 11 Parallel Sessions Poster and Exhibition Area Simultaneous Translation and high end Audiovisual Technology  <p>Aristotle</p>
<ul style="list-style-type: none"> Sustainable Production Methodologies Soil and Tissue Analysis Plant Virology Greenhouse Management Seed Germination and Certification 	<ul style="list-style-type: none"> Laboratory of Soil Science and Plant Tissue Analysis Experimental Closed System Hydroponic Greenhouses Laboratory of Plant Virology and Microbiology (under development) 	<ul style="list-style-type: none"> Soil Science and Plant Tissue Analysis Water Analysis (ISO 9001 under development) Advisory/Consultation Services (fertigation and irrigation) <p>http://www.maich.gr/services/soil</p>  <p>Soil Science Laboratory</p>	 <p>Student Restaurant</p>
<ul style="list-style-type: none"> Conservation of Endemic and Threatened Plants of Crete Seed Bank Techniques Flora of Crete Natura 2000 Network in Crete 	<p>Plant Conservation Facilities</p> <ul style="list-style-type: none"> Seed Bank for Cretan Endemic and Threatened Native Species and Traditional Horticultural Varieties under Extinction Botanical Garden of Threatened Plants Herbarium of Cretan / Mediterranean Flora 	<ul style="list-style-type: none"> Laboratory of Seed Germination Studies Information Centre for the Threatened Plants of Crete Botanical Garden of Aromatic and Medicinal Plants  <p>Seed Bank</p>	

POSTGRADUATE PROGRAMMES





GC/MS

QUANTITATIVE INDICATORS*

Educational Performance

- 1117** graduates attained a specialization post-graduate diploma.
- 563** graduates attained a Master of Science degree.



Academic Village



Botanical Garden

International Executive Training

- 24** specialised intensive courses are implemented for **CIHEAM** beneficiary countries with the participation of 458 professionals.
- 31** specialised intensive courses are implemented by the **Hellenic Aid** program for beneficiary countries with the participation of 475 executives.



Genetic Analyser

FUTURE DEVELOPMENTS

- Completion of **ISO** certification of all academic programmes and the functional procedures of the Institute
- Remodelling infrastructures and procurement of related equipment
- Improvement and reconstruction of the efficiency of the post graduate programme offer
- Use of a Hyper-Interactive Teaching Technology system for automated data collection and interactive grading
- Establishment of a Plant Virology and Microbiology Laboratory
- Establishment of a new Executive Training Dormitory
- Further development of the Athletic Resource Centre

*(1987-2006 Accumulative)



CIHEAM - International Centre for Advanced
Mediterranean Agronomic Studies

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