

TECHNICAL TRAINING COURSES 2012 CEIA3











UNIVERSIDAD DE JAÉN

Methods and Techniques to measure flower fertility

Advanced Greenhouse Technology Techniques

Application of advanced chromatographic techniques to agricultural and food laboratory

Proyecto financiado por el Campus de Excelencia Internacional Agroalimentario ceiA3 mediante fondos aportados por el Banco de Santander (División Global Santander universidades)

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Application of advanced chromatographic techniques to agricultural and food laboratory



12-16 march 2012 (8:30 to 14:00 h.)

www.ceia3.es

To create an environment in which students with interesting agro-biological problems and research lines are brought together with advanced microscopy instrumentation. Students will receive information regarding most microscopy techniques, fundaments, applications and ways of use, as well as instructions on how to perform basic maintenance of microscopes.

REGISTRATION DEADLINE 20 January to 17th February, 2012. To register, please upload a CV and fill the application form linked here

 AIMED AT Members of research groups included in the ceiA3. Of interest for researchers, Ph. D. students, technical staff and members of technological companies integrated into the ceiA3 project.

NOTIFICATION OF ADMITANCE Before 6th march 2012

APPLICANTS ACCEPTED 16 COURSE TYPE Classroom

DATES

MORE INFO

OBJECTIVES

VOLVER

REGISTRATION FEE

Free

New alternatives for the reliable identification of Iberian pig ham: Contro field, Instrumental and

Application of advanced chromatographic techniques to agricultural and food laboratory

Methods and Techniques to measure flower fertility

VOLVER

PLACE	Campus of the University of Almería site in Ctra Sacramento s/n, in Almería capital (see link http:// www.ual.es/personal/fguillen/gmaps/ for further details about the venue), and other nearby facilities.
DIRECTOR	Julián Cuevas González <mark>(jcuevas@ual.es)</mark>
DATES	from 21st to 25th May 2012
MORE INFO	www.ceia3.es
OBJECTIVES	Lack of fruiting is a common failure in cultivated plants, especially in protected cultivation where pollinators' access is complicated by the closed structure and where the climate modification brings harsh conditions for plant fertility. Unfortunately, this lack of fruiting is rarely analyzed in deep determining which component of flower fertility failed. The main objective of this course is to form students in the fundaments and methodology to evaluate reproductive success and failures in cultivated plants, more exactly in measuring male (pollen) and female (gynoecium) fertility. Students will also learn to measure flower attractiveness and rewards and their effects on insect pollinators. Evaluation of pollinators' activity and pollen-pistil interaction in response is within the program. The course also intends to form students in the evaluation of reproductive success by measuring fertilization levels, and initial and final seed set and fruit set. Fruit and seed abortion will be analyzed too.
REGISTRATION DEADLINE	Interested students must register before April 30. To register, please upload a CV and fill the application form linked here
AIMED AT	This course is of particular interest for Agronomy students, but also for students in the fields of Botany and Plant Ecology. Therefore students of Agronomy, Biological and Environmental Science, Forestry and from related fields may apply
NOTIFICATION OF ADMITANCE	Selected students will be notified no later than on May 7
APPLICANTS ACCEPTED	12
COURSE TYPE	Classroom
REGISTRATION FEE	Free

Advanced Greenhouse Technology Techniques

VOLVER

03

PLACE	University of Almería (Spain). Laboratory 1.04 CITEII-A.
DIRECTOR	Diego Luis Valera Martínez (dvalera@ual.es)
DATES	from 21st to 25th May 2012
MORE INFO	www.ceia3.es
OBJECTIVES	Over recent years greenhouse technology has been evolving continually, with traditional structures being substituted by more resistant, larger ones. At the same time, new technology is constantly being incorporated, among which we should highlight climate control systems, fertigation and soilless crops.
	This Technical Training Course will deal with cutting edge techniques applied to the greenhouse agrosystem. Amongst these techniques, we include Triaxial Sonic Anemometry, Infra-red Thermography Computational Fluids Dynamics as well as other simulation and optimisation techniques, all of which have been developed and applied by the "Rural Engineering" research group of the University of Almería.
	The aims of the course, therefore, are:
	 To present students with the cutting edge greenhouse technologies. To analyse the improvements required for the sustainability of the greenhouse agrosystem. To foment the knowledge and the correct use of new developments in greenhouse engineering.
REGISTRATION DEADLINE	Interested students must register 1-27 April, 2012. To register, please upload a CV and fill the application form linked here
AIMED AT	Agricultural Engineers and Agricultural Technicians. Graduates from associated fields. Students of Agronomy and associated sciences.
NOTIFICATION OF ADMITANCE	Selected students will be notified no later than on May 4
APPLICANTS ACCEPTED	10
COURSE TYPE	Classroom
REGISTRATION FEE	Free

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> techniques to agricultural and food laboratory

New alt reliable

Application of advanced chromatographic

04

New alternatives for the reliable identification of Iberian pig ham: Control field, Instrumental and Sensory analysis

PLACE	Edificio Marie Curie. Campus Universitario de Rabanales. Universidad de Córdoba (España)	nd Tec
DIRECTOR	Lourdes Arce Jiménez (lourdes.arce@uco.es)	hods a neasur
DATES	from 11th to 15th June 2012	Met to m
MORE INFO	www.ceia3.es	
OBJECTIVES	 Present the current status of the Iberian pig production and the weaknesses of its regulation. Show the possibilities to strengthen the methodology of field-level control. Present new analytical methodologies in order to distinguish and authenticate the different fattening diets. Show the sensory analysis as a reliable tool to authenticate the quality of Iberian products. Offer a new approach and reliable tools to be used by Protected Designations of Origin, Authorities, Industry and Dealers to differentiate air-cured hams from Iberian pigs fed on acorns from the rest of the air-cured hams from Iberian pigs fed with feed. 	nouse
		Advanced Green Technology Techr
REGISTRATION DEADLINE	Interested students must register before May 18. To register, please upload a CV and fill the application	d of
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AIMED AI	Graduates in Food Science and Technology, Veterinary, Sciences (Chemistry, Biology, Environmental Sciences) and Chemical, Agricultural or Forest Engineers.	ative entific ham ment alysis
NOTIFICATION OF ADMITANCE	Selected students will be notified no later than on May 28	lew altern eliable ide perian pig eld, Instru ensory an
APPLICANTS ACCEPTED	20	22=#0
COURSE TYPE	Classroom	anced cultural rv
REGISTRATION FEE	Free	Application of adv chromatographic techniques to agri and food laborato

and food laboratory

New alternatives for the reliable identification of Iberian pig ham: Control field, Instrumental and

Application of advanced chromatographic techniques to agricultural and food laboratory

05

VOLVER

Application of advanced chromatographic techniques to agricultural and food laboratory

PLACE	Centro Andaluz de Investigaciones Vitivinícolas (CAIV) placed in the University Campus of Puerto Real. University of Cádiz.
DIRECTOR	Ramón Natera Marín (ramon.natera@uca.es)
DATES	from 2nd to 6th July 2012
MORE INFO	www.ceia3.es
OBJECTIVES	 To know the main theoretical and practical concepts of extraction techniques employed in the treatment of agricultural and food samples. To get laboratory skills to be able to apply different extraction techniques. To know the main theoretical and practical concepts of gas chromatography related to instrumentation and application to real samples. To know the main theoretical and practical concepts of liquid chromatography (HPLC, UPLC) related to instrumentation and application to real samples. To know different methodologies of sensory analysis and their application to the study of agricultural and food products. To get laboratory skills necessary to use the different chromatographic techniques. To be aware of the importance of the statistical analysis of the results and to extract conclusions from different real situations of analysis of agricultural and food products. To apply statistical computer packages to the obtained results from the analysis of the samples.
REGISTRATION DEADLINE	Interested students must register Feb. 20 – March 13, 2012. To register, please upload a CV and fill the application form linked here
AIMED AT	It is necessary a Degree in: Chemistry, Food Science and Technology, Chemical Engineering, Oenology, Pharmacy, Biology or Agronomy.
NOTIFICATION OF ADMITANCE	Selected students will be notified no later than on March 23
APPLICANTS ACCEPTED	10
COURSE TYPE	Classroom
REGISTRATION FEE	Free