

Curriculum Vitae



Personal information

First name / Surname	Carmen Diana / Mellisho Salas		
Address(es)	20 Rue des Gourlettes. 63000 Clermont-Ferrand. France		
Telephone	+33 (0)4-73-62-43-69		
Mobile	+33 (0)7-85-76-41-49		
E-mail	cdmellisho@hotmail.com, cmellishosa@clermont.inra.fr		
Nationality	Peruvian		
Date of birth	02/09/1983		
Gender	Female		

Personal statement and statement of intent

I have cognitive, objective, responsible, organized and persistent attitude. Likewise, I have great ability to propose and carry out new initiatives after the previous discussion with my colleagues and supervisors.

My training during my doctoral stage in Spain and short periods of research abroad allowed me to gain wide experience on management of different types of sensors to measure plant water status and to use them as a tool to schedule an optimal irrigation.

I am aware that if I want to develop professionally I need to look for opportunities in Europe, especially in countries with high potential such as France, and whose scientists and scientific studies are very well known around the world.

My career plans in medium terms: improve research potential, reinforce professional maturity and acquire new knowledge. My career plans in long terms: apply for the competition of recruitment as an experienced research scientist, in public scientific and technological establishments of Peru or out of Peru. Therefore, I can contribute to the development of my country and the world, as well as to respond better to the current and future challenges of food security and global changes.

Education and training

Location and dates	Cartagena (Spain). 2009 – 2012
Title of qualification awarded	PhD (European mention). <i>Advanced Techniques in Agricultural and Food Research and Development Program</i> . PhD thesis dissertation: <i>Regulated deficit irrigation scheduling in early maturing peach trees using trunk diameter sensors</i> . Qualification: 'Sobresaliente cum laude' (outstanding 1 st class), 20 th January 2012.
Principal subjects/occupational skills covered	Plant water relations, Plant growth under stress, Horticulture, Deficit irrigation, Irrigation scheduling, Plant sensors, and Fruit quality./ Highly qualified professional training for scientific and technological needs of the agricultural area, developing basic and applied research, teaching, consulting or direct involvement in agricultural production.

Name of Institute	Escuela Técnica Superior de Ingeniería Agronómica (ETSIA). Universidad Politécnica de Cartagena (UPCT).
Location and dates	Cartagena (Spain). 2008 – 2009
Title of qualification awarded	MSc. <i>Advanced Techniques in Agricultural and Food Research and Development Program</i> . MSc thesis dissertation: <i>Influence of crop load on maximum daily trunk shrinkage reference equations for irrigation scheduling of early maturing peach trees</i> . Qualification: 'Sobresaliente' (1 st class), 24 th November 2009.
Principal subjects/occupational skills covered	Programming and agronomic response of crops in irrigation, Deficit irrigation, Technical development control in ornamental plants, Conservation of plant genetic resources (Adaptation of new crops), Soil hydrophysics (Root and soil interaction), Experiment design in agricultural and food research, Soil degradation and regeneration of semi-arid areas and GIS for irrigation management./ Research training in the field of agricultural and food development, professional development, increase of the capacity to manage sources of information, development of critical skills, innovative and technical.
Name of Institute	Escuela Técnica Superior de Ingeniería Agronómica (ETSIA). Universidad Politécnica de Cartagena (UPCT).
Location and dates	Lima (Peru). 2001 – 2006
Title of qualification awarded	Agriculture Engineer. Eng thesis dissertation: <i>Determinación de la Máxima Densidad Seca Real por Reemplazo de Grava en los Controles de Compactación de Bases y Sub-bases de Pavimentos (Determination of the Real Dry Density Maximun by Replacing Gravel in Compactation Controls for Basis and Sub-basis of Pavements)</i> . Qualification: 'Very good', 22 th November 2006.
Principal subjects/occupational skills covered	Biology, Mathematics, Chemistry, Ecology, Physics, Economy, Statistics, Meteorology, Soil science, Geology, Thermodynamics, Ethics, Agricultural techniques, Hydrology, Topography, Rural design, Irrigation engineering, Hydraulics, Water engineering and Environment, Underground water, Business development, Water management, Drainage engineering, Investment projects and agricultural engineering development, etc./ Solid training in the theory and practice of topics essential to the agricultural engineering training, development of competitiveness, innovation, entrepreneurship, analysis, synthesis and organization, ability to communicate and work in a multidisciplinary team as a member or a leader.
Name of Institute	Facultad de Ingeniería Agrícola (FIA). Universidad Nacional Agraria La Molina (UNALM).

Work experience

Location and dates	Clermont-Ferrand (France). October 2013 – February 2015
Occupation or position held	Post-Doc
Main activities and responsibilities	Sampling and processing in the laboratory, recorded data analysis, and statistical analysis. Search and study of articles related to the research project (climate change, drought, waterlogging, and oak), and publish articles in indexed journals.
Name of employer	INRA Clermont-Ferrand

Location and dates	Lima (Peru). April – May 2013
Occupation or position held	Consultant
Main activities and responsibilities	Literature review and writing scientific report on the impact of climate change on the water resources outside and in Peru.
Name of employer	Autoridad Nacional del Agua (ANA)
Location and dates	Murcia (Spain). October 2008 – September 2012
Occupation or position held	PhD student at the Irrigation Department
Main activities and responsibilities	Measurements of woody crop water status, irrigation scheduling, fruit analysis, mineral analysis of leaves, statistical analysis of data, preparation of graphs, literature review, and writing scientific articles on these subjects.
Name of employer	Centro de Edafología y Biología Aplicada del Segura (CEBAS) del Consejo Superior de Investigaciones Científicas (CSIC)
Location and dates	Huancayo (Peru). February – September 2008
Occupation or position held	Technical coordinator
Main activities and responsibilities	Fieldwork performance management; planning, reporting and monitoring of the records and accounting of irrigation project.
Name of employer	District Municipality of Sapallanga
Location and dates	Lima (Peru). November 2007 – February 2008
Occupation or position held	Assistant
Main activities and responsibilities	Formulation of policy and operational guidelines and regulation of promotion of wastewater treatment in urban and peri-urban agriculture.
Name of employer	ONG IPES y Ministerio de Vivienda, Construcciones y Saneamiento
Location and dates	Lima (Peru). May – September 2007
Occupation or position held	Technical assistant
Main activities and responsibilities	Field and office work on preparation of irrigation and cultivation plan for agricultural campaign 2007-2008 of Junta de Usuarios Rímac.
Name of employer	Junta de Usuarios Rímac
Location and dates	Lima (Peru). December 2006 – March 2007
Occupation or position held	Irrigation project assistant
Main activities and responsibilities	Budget preparation and design of the technique irrigation system for parks and agricultural land.

Name of employer	Technology and Agricultural Services (TECSAGRO)
Location and dates	Lima (Peru). August 2005 – August 2006
Occupation or position held	Research assistant
Main activities and responsibilities	Granulometric and compacting analysis of arid soils for basis and sub-basis of pavements, literature review, and reporting.
Name of employer	Soil Mechanics Laboratory of the Universidad Nacional Agraria La Molina (UNALM)
Location and dates	Huancavelica (Peru). August – December 2004
Occupation or position held	Practice assistant in the courses of Hydraulic, Irrigation and Topography
Main activities and responsibilities	Preparation of teaching materials for practical classes and coordination of study visits to agricultural areas with irrigation technology and irrigation canals.
Name of employer	Universidad para el Desarrollo Andino (UDEA)
Location and dates	Lima (Peru). January – April 2004
Occupation or position held	Assistant engineer
Main activities and responsibilities	Fieldwork: 3D terrain uplifting; and office work: Processing of the coordinates of the data collected and graphical representation of details of the terrain.
Name of employer	District Municipality of Villa María del Triunfo

Languages

Mother tongue(s)	Quechua and Spanish	
Other language(s)	English	High level (Reading, speaking and writing)
	French	Intermediate level (Reading, speaking and writing)

Academic Record

Publications	Accepted, in press and published articles / papers:
	<ul style="list-style-type: none"> - Galindo, A., Rodriguez, P., Mellisho, C.D., Torrecillas, E., Moriana, A., Cruz, Z.N., Conejero, W., Moreno, F., Torrecillas, A. 2013. Assessment of discretely measured indicators and maximum daily trunk shrinkage for detecting water stress in pomegranate trees. <i>Agricultural and Forest Meteorology</i> 180: 58-65. - Cruz, Z.N., Rodríguez, P., Galindo, A., Torrecillas, E., Ondoño, S., Mellisho, C.D., Torrecillas, A. 2012. Leaf mechanisms for drought resistance in <i>Zizyphus jujuba</i> trees. <i>Plant Science</i> 197: 77-83.

- Mellisho, C.D. , Egea, I., Galindo, A., Rodriguez, P., Rodríguez, J., Conejero, W., Romojaro, F., Torrecillas, A. 2012. Pomegranate (<i>Punica granatum</i> L.) fruit response to different deficit irrigation conditions. <i>Agricultural Water Management</i> 114: 30-36.
- Rodriguez, P., Mellisho, C.D. , Conejero, W., Ortuño, M.F., Cruz, Z.N., Galindo, A., Torrecillas, A. 2012. Plant water relations of leaves of pomegranate trees under different irrigation conditions. <i>Environmental and Experimental Botany</i> 77: 19-24.
- Mellisho, C.D. , González-Barrio, R., Ferreres, F., Ortuño, M.F., Conejero, W., Torrecillas, A., García-Mina, J.M., Medina, S., Gil-Izquierdo, A. 2011. Iron deficiency enhances bioactive phenolics in lemon juice. <i>Journal of the Science of Food and Agriculture</i> 91: 2132-2139.
- Mellisho, C.D. , Cruz, Z.N., Conejero, W., Ortuño, M.F., Rodríguez, P. 2011. Mechanisms for drought resistance in early maturing cvar Flordastar peach trees. <i>Journal of Agricultural Science</i> 149: 609–616.
- Conejero, W., Mellisho, C.D. , Ortuño, M.F., Galindo, A., Pérez-Sarmiento, F., Torrecillas, A. 2011. Establishing maximum daily trunk shrinkage and midday stem water potential reference equations for irrigation scheduling of early maturing peach trees. <i>Irrigation Science</i> 29: 299–309.
- Conejero, W., Mellisho, C.D. , Ortuño, M.F., Moriana, A., Moreno, F., Torrecillas, A. 2011. Using trunk diameter sensors for regulated deficit irrigation scheduling in early maturing peach trees. <i>Environmental and Experimental Botany</i> 71: 409–415.
- Conejero, W., Ortuño, M.F., Mellisho, C.D. , Torrecillas, A. 2010. Influence of crop load on maximum daily trunk shrinkage reference equations for irrigation scheduling of early maturing peach trees. <i>Agricultural Water Management</i> 97: 333–338.
- Ortuño, M.F., Conejero, W., Moreno, F., Moriana, A., Intrigliolo, D.S., Biel, C., Mellisho, C.D. , Pérez-Pastor, A., Domingo, R., Ruiz-Sánchez, M.C., Casadesus, J., Bonany, J., Torrecillas, A. 2010. Could trunk diameter sensors be used in woody crops for irrigation scheduling? A review of current knowledge and future perspectives. <i>Agricultural Water Management</i> 97: 1–11.
Submitted publications:
- Collado-González, J., Cruz, Z.N., Medina, S., Mellisho, C.D. , Rodríguez, P., Galindo, A., Egea, I., Romojaro, F., Ferreres, F., Torrecillas, A., Gil-Izquierdo, A. New Amino Acids in Pear-Jujube (<i>Z. jujuba</i>) Fruits. Effects of Maturation on Fruit Eating Quality. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> (submitted).
- De Swaef, T., Mellisho, C.D. , Baert, A., De Schepper, V., Torrecillas, A., Conejero, W., Steppe, K. 2014. Model-assisted evaluation of crop load effects on stem diameter variations and fruit growth in peach. <i>Trees - Structure and Function</i> (submitted).

Presentations as invited speaker	<p>- Mellisho, C.D., Conejero, W., Ortuño, M.F., Moriana, A., Galindo, A., Moreno, F., Torrecillas, A., 2010. New tools for regulated deficit irrigation scheduling in early maturing peach trees. <i>X Simposium Hispano Portugués de Relaciones Hídricas en las Plantas</i>. Cartagena (Spain). p. 67–70.</p> <p>- Ortuño, M.F., Conejero, W., Brito, J.J., Mellisho, C.D., Torrecillas, A., 2008. Algunas consideraciones sobre la utilización de sensores del diámetro del tronco para la programación del riego en cítricos (Some considerations on using trunk diameter sensors for irrigation scheduling in citrus trees). <i>Workshop Internacional Tecnologias de Informação e Comunicação (TIC) para a Modernização dos Sistemas de Irrigação e Valorização dos Sistemas de Irrigação Ancestrais. Red Iberoamericana para la Gestión del Agua en Agricultura, Riego y Fertirriego (105RT0268, Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo, CYTED)</i>. Florianópolis, Santa Catalina (Brasil). P. 177– 184.</p> <p>- Ortuño, M.F., Brito, J.J., Conejero, W., García-Orellana, Y., Mellisho, C.D., Torrecillas, A., 2008. Utilización de las fluctuaciones del diámetro del tronco para la estima de los requerimientos de riego del limonero (Using trunk diameter fluctuations to estimate irrigation requirements of the lemon tree). <i>IX Simposium Hispano-Portugués de Relaciones Hídricas en las Plantas</i>. Lloret de Mar, Girona (Spain). Communications and Conference book, p. 71 – 74.</p>
Books or books chapter author	<p>Ortuño, M.F., Conejero, W., Brito, J.J., Mellisho, C.D., Torrecillas, A., 2010. Algunas consideraciones sobre la utilización de sensores del diámetro del tronco para la programación del riego en cítricos (Some considerations on using trunk diameter sensors for irrigation scheduling in citrus trees). En: <i>Tecnologias para o uso sustentável da água em regadio</i>. (Pereira, L.S., Victoria, F.R.B., Paredes, P. García, M. Palacios, E., Torrecillas, A. Eds.). Edições Colibri y CEER–Centro de Engenharia dos Biosistemas. Lisboa. P. 57-60 + CD rom P. 177-184. ISBN 978-989-689-016-2.</p>
Graduate teaching as lecturer or training coordinator	<p>Participation in some young researcher training. During my pre-doctoral training, I had the opportunity to collaborate with my director of Research Personnel Training grant (FPI), on tutoring of projects of four students from ‘Universidad Politécnica de Cartagena’ and ‘Universidad de Salamanca’ (both Spain). My role was to do the introduction of measuring with scientific instruments in field, sampling, and laboratory analysis. I was also responsible for teaching data statistical analysis and discussion of results.</p>
Awards and prizes if any	<p>I have had the merit of being an evaluator for a book chapter ‘<i>Tecnologias para o Uso Sustentável da Água em Regadio (Technologies for sustainable use of irrigation water)</i>’. The invitation came from the editor, professor Luis Santos Pereira (ISA, Lisboa), researcher of high international importance and author of the famous FAO 56 manual on irrigation.</p>

Collaboration and Networking

<p>Participation in collaborative projects funded by competitive programmes</p>	<p>International Cooperative Projects</p> <ul style="list-style-type: none"> - SUPPORTER ORGANISM: Agencia Española de Cooperación Internacional para el Desarrollo (AECID). INSTITUTES: CEBAS-CSIC and INCA-UNAH (Instituto Nacional de Ciencias Agrícolas y Universidad Agraria de La Habana) MAIN SCIENTIST OR NAME OF THE GROUP LIDER: Arturo Torrecillas Melendreras. ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas). PROJECT TITLE: Actions for the strengthening and consolidation of an excellent research group in the INCA-UNAH (Cuba) on optimization of water use in agriculture (D/016779/08, D/023231/09, D/030431/10, A1/035430/11). BUDGET: 104.585 € (first year), 104.285 € (second year), 127.150 € (third year), 146.314.05 € (fourth year). PERIOD: 2009-2012. PLACE: San José de Las Lajas, La Habana (Cuba) <hr/> <p>Projects Supported by Spanish National Plans</p> <ul style="list-style-type: none"> - SUPPORTER ORGANISM: Comisión Interministerial de Ciencia y Tecnología del MICINN. INSTITUTE: CEBAS-CSIC MAIN SCIENTIST OR NAME OF THE GROUP LIDER: Arturo Torrecillas Melendreras. ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas). PROJECT TITLE: Management strategies for deficit irrigation to optimize the quality and health of early maturing peach and pomagranate trees (AGL2010-19201-C04-01AGR). BUDGET: 168.000 €. PERIOD: 2011-2013. PLACE: Murcia (Spain) <ul style="list-style-type: none"> - SUPPORTER ORGANISM: Comisión Interministerial de Ciencia y Tecnología. INSTITUTE: CEBAS-CSIC MAIN SCIENTIST OR NAME OF THE GROUP LIDER: Arturo Torrecillas Melendreras. ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas). PROJECT TITLE: Using dendrometry as a tool of precision in the deficit irrigation scheduling in woody crops (AGL2007-66279-C03-02/AGR). BUDGET: 243.000 €. PERIOD: 2007-2010. PLACE: Murcia (Spain) <hr/> <p>Projects Supported by Spanish Regional Governments</p> <p>SUPPORTER ORGANISM: Fundación Séneca. Centro de Coordinación de la Investigación de la CARM.</p> <p>INSTITUTE: CEBAS -CSIC</p> <p>MAIN SCIENTIST OR NAME OF THE GROUP LIDER: María Fernanda Ortuño Gallud.</p> <p>ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas).</p> <p>PROJECT TITLE: Using new criteria of deficit irrigation scheduling to reduce water use and optimize food and agronomic quality in peach tree (11981/PI/09).</p> <p>BUDGET: 71.700 €.</p> <p>PERIOD: 2010-2012.</p> <p>PLACE: Murcia (Spain)</p>
<p>Partnerships or experience with industry</p>	<p>Projects Supported by Private Firms</p> <ul style="list-style-type: none"> - SUPPORTER ORGANISM: VÍAS Y CONSTRUCCIONES, S.A. (Grupo ACS). INSTITUTE: CEBAS-CSIC MAIN SCIENTIST OR NAME OF THE GROUP LIDER: Wenceslao Conejero Puente.

	<p>ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas). PROJECT TITLE: Effects of wastewater irrigation in plant and soil quality for revegetation in constructions (Proyecto CDTI. IDI-20101191). PERIOD: 2010-2012. PLACE: Murcia (Spain)</p> <p>SUPPORTER ORGANISM: Timac Agro, S.A. (Grupo Roulier). INSTITUTE: CEBAS-CSIC MAIN SCIENTIST OR NAME OF THE GROUP LIDER: Wenceslao Conejero Puente. ROLE PLAYED: Researcher (Carmen Diana Mellisho Salas). PROJECT TITLE: Evaluation of new hidrosoluble fertilize with nutritive acelerator. PERIOD: 2009 - 2010. PLACE: Murcia (Spain)</p>
Graduate teaching as lecturer or training coordinator	Participation in some young researchers training: During my pre-doctoral training, I had the opportunity to collaborate with my director of FPI, on tutoring of projects of four students from 'Universidad Politécnica de Cartagena' and 'Universidad de Salamanca' (both Spain).
Membership of professional bodies and committees	Ordinary Member in the register of the "Colegio de Ingenieros del Peru (CIP)". Nº CIP: 92021. Registered from March 2007. Website: http://www.cdlima.org.pe/colegiacion

Research management, Technology transfer and Communication

Team management	During my predoctoral training, I had the opportunity to collaborate with my director of FPI, on tutoring of projects of four students from "Universidad Politecnica de Cartagena" and "Universidad de Salamanca (Spain)".
Technological platform management	In my pre-doctoral training, along with my research group, I had the opportunity to collaborate with my director of FPI in research projects (See section: 'Participation in collaborative projects funded by competitive programmes' and 'Partnerships or experience with industry'). Therefore, and as a result of the work done on research projects, publications were prepared (See section: 'Publications').
Consultancy for the public or private sector	I worked as a consultant for the public sector in Peru called Autoridad Nacional del Agua (ANA). My work was focused on the impact of climate change on the water resources outside and in Peru. I wrote a report on this topic, and I used information from IPCC (Intergovernmental Panel on Climate Change).

Other experience and skills relevant to the application	Contribution:
	- Referee for a chapter of the book ' <i>Tecnologias para o uso sustentável da água em regadio (Technologies for sustainable use of irrigation water)</i> ', edited by Prof. L.S. Pereira (ISA, Lisbon (Portugal)).

	<p>Research stays in others foreign centres: (Doctoral trainings)</p>
	<p>- Irrigation Department. Centro de Edafología y Biología Aplicada del Segura (CEBAS) del Consejo Superior de Investigaciones Científicas (CSIC). Murcia (Spain). October 2008 –September 2012.</p>
	<p>- Faculty of Bioscience Engineering. Department of Applied Ecology and Environmental Biology. Universiteit Gent. Coupure links 653, 9000 Gent (Belgium). February – March 2012.</p>
	<p>- Plant Cell Biology Laboratory. Department of Biology. National University of Ireland. Co. Kildare (Ireland). January – May 2011.</p>
	<p>- Climate Lab. Plant & Food Research. Palmerston North (New Zealand). February – June 2010.</p>
	<p>Papers at congresses:</p>
	<p>- De Swaef, T., Mellisho, C.D., Baert, A., De Schepper, V., Conejero, W., Steppe, K. 2013. Crop load effects on stem diameter variations in peach evaluated with an integrated plant and fruit model. <i>7th International Conference on Functional-Structural Plant Models</i>. Saariselkä (Finlandia). P. 156-158.</p>
	<p>- Mellisho, C.D., Egea, I., Galindo, A., Conejero, W., Rodriguez, P., Rodríguez, J., Romojaro, F., Torrecillas, A. 2012. Pomegranate (<i>Punica granatum</i> L.) fruit response to different deficit irrigation conditions. <i>XI Simposio Hispano-Portugués de Relaciones Hídricas en las Plantas</i>. Seville (Spain). p. 136.</p>
	<p>- Mellisho, C.D. 2011. Respuesta de la granada al déficit hídrico. <i>II International Symposium on the Pomegranate</i>. Madrid (Spain). p. 47.</p>
	<p>- Galindo, A., Cruz, Z.N., Mellisho, C.D., Rodríguez, P., Conejero, W., Ortuño, M.F., Torrecillas, A. 2011. Mecanismos de resistencia a la sequía en <i>Punica granatum</i>. <i>II International Symposium on the Pomegranate</i>. Madrid (Spain). p. 59.</p>
	<p>- Sivakumaran, S., Sivakumaran, S., Jeyakumar, P., Mellisho, C.D., Deurer, D., McIvor, M., Clothier, B. 2010. Effect of charcoal (biochar) amendments in Manawatu sandy-loam soil (New Zealand) on white clover growth and nodulation. <i>19th World Congress of Soil Science, Soil Solutions for a Changing World</i>. Brisbane (Australia). Published on CDROM. p. 25-28.</p>
	<p>- Conejero, W., Ortuño, M.F., Mellisho, C.D., Torrecillas, A., 2010. Programación del riego en melocotonero mediante el uso de sensores del diámetro del tronco. <i>X Simposium Hispano Portugués de Relaciones Hídricas en las Plantas</i>. Cartagena (Spain). p. 31–37.</p>
	<p>- Galindo, A., Mellisho, C.D., Conejero, W., Ortuño, M.F., Cruz, Z.N., Rodríguez, P., Torrecillas, A., 2010. Maximum daily trunk shrinkage and stem water potential baselines for irrigation scheduling of early maturing peach trees. <i>X Simposium Hispano Portugués de Relaciones Hídricas en las Plantas</i>. Cartagena (Spain). p. 71–74.</p>
	<p>- Rodríguez, P., Rodríguez, J., Cruz, Z. N., Dell’Amico, J. M., Jerez, E., Mellisho, C.D., Domínguez, C., Galindo, A., Conejero, W., Ortuño, M.F., Torrecillas, A. 2010. Respuestas del granado al déficit hídrico en la última fase de crecimiento de los frutos. <i>XVII Congreso Científico Internacional del Instituto Nacional de Ciencias Agrícolas</i>. San José de Las Lajas, La Habana (Cuba). p. 137.</p>
	<p>- Mellisho, C.D., González-Barrio, R., Ferreres, F., Ortuño, M.F., Conejero, W.,</p>

	<p>Torrecillas, A., García-Mina, J.M., Medina, S., Gil-Izquierdo, A., 2010. Iron deficiency enhances bioactive phenolics in lemon juice. <i>XXI Congress of Chemists and Technologists of Macedonia: Ohrid</i> (Republic of Macedonia). p. 144.</p>
	<p>Posters at congresses:</p>
	<p>- Rodríguez, P., Mellisho, C.D., Rodríguez, J., Cruz, Z.N., Galindo, A., Torrecillas, A. 2012. Mechanisms for drought resistance in early maturing cvar Flordastar peach trees. <i>XVIII Congreso Científico Internacional del Instituto Nacional de Ciencias Agrícolas</i>. San José de las Lajas, La Habana (Cuba).</p>
	<p>- Cruz, Z.N., Rodríguez, P., Galindo, A., Torrecillas, E., Ondoño, S., Mellisho, C.D., Torrecillas, A. 2012. Leaf mechanisms for drought resistance in Ziziphus jujuba trees. <i>XVIII Congreso Científico Internacional del Instituto Nacional de Ciencias Agrícolas</i>. San José de las Lajas, La Habana (Cuba).</p>
	<p>Advanced courses:</p>
	<p>- Curso Tecnologías blandas (Low input technologies) para la valorización de aguas residuales y residuos sólidos orgánicos en la agricultura urbana y periurbana en Cuba (Low input technologies for wastewater and organic solid waste treatment in Cuban urban and peri-urban agriculture). Organized by the Agencia Española de Cooperación Internacional para el Desarrollo (AECID) (A1/035430/11), Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de Ciencias Agrícolas (INCA) and Universidad Agraria de La Habana (UNAH). San José de Las Lajas (Cuba). 2012.</p>
	<p>- Curso Bases para el uso de aguas residuales y residuos orgánicos en la agricultura urbana cubana (Basis for the use of wastewater and organic waste in Cuban urban agriculture). Organized by the Agencia Española de Cooperación Internacional para el Desarrollo (AECID) (D/030431/10), Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de Ciencias Agrícolas (INCA) y Universidad Agraria de La Habana (UNAH). San José de Las Lajas (Cuba). 2011.</p>
	<p>- Curso Fundamentos metodológicos en el estudio del sistema agua-suelo-planta-atmósfera (Methodologies in the study of the soil-plant-atmosphere continuous). Organized by the Agencia Española de Cooperación Internacional para el Desarrollo (AECID) (D/023231/09), Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de Ciencias Agrícolas (INCA) y Universidad Agraria de La Habana (UNAH). San José de Las Lajas (Cuba). 2010.</p>
	<p>- Metodología de investigación: ¿Cómo hacer artículos de investigación y tesis? (4.5 horas) (Research Methodology: ¿How do you make research papers and thesis?). Organized by Universidad Politecnica de Valencia. Valencia (Spain). 2010.</p>
	<p>- Curso Diseño de instalaciones de riego localizado (Trickle irrigation systems design). Organized by the Agencia Española de Cooperación Internacional para el Desarrollo (AECID) (D/016779/08), Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de Ciencias Agrícolas (INCA) y Universidad Agraria de La Habana (UNAH). San José de Las Lajas (Cuba). 2009.</p>
	<p>- Curso Bases para el manejo del agua en zonas infradotadas (Water management in areas with water scarcity). Organized by the Agencia Española de Cooperación Internacional para el Desarrollo (AECID) (D/016779/08), Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de</p>

Ciencias Agrícolas (INCA) y Universidad Agraria de La Habana (UNAH). San José de Las Lajas (Cuba). 2009.
- Formación para el uso de la Web of Knowledge (6 horas) (Training in use of the ISI Web of Knowledge). Organized by the Centro de Edafología y Biología Aplicada del Segura del Consejo Superior de Investigaciones Científicas (CEBAS-CSIC) y Fundación Española para la Ciencia y la Tecnología. Murcia (Spain). 2009.
- Supervisión de Obras (Construction supervision). Organized by the Instituto de Construcción y Gerencia (ICG). Huancayo (Peru). 2008.
- Curso Internacional de Riego por Goteo (International course on drip irrigation). Conducted by scientists of CSIC (Spain). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2006.
- Manejo de Sistema Informático para el Diseño y Operación de Sistemas de Agua Potable y Sistemas de Riego Presurizado (Information System Management for the Design and Operation of Drinking Water and Pressurized Irrigation Systems). Organized by the Universidad Nacional Agraria la Molina (UNALM). Lima (Peru). 2005.
- Manejo de Sistema Informático para el Cálculo de Demandas de Agua para Riego (CROPWAT) (Information System Management for the Calculation of Irrigation Water Demands). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2005.
- Manejo de Sistema de Información Geográfica ARCGIS ver 9.1 (Management of the Geographic Information System ARCGIS ver 9.1). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2005.
- Manejo de Sistema de Información Geográfica ARCVIEW ver 3.2 (Management of the Geographic Information System ARCVIEW ver 3.2). Organized by the Universidad Nacional de Ingeniería (UNI). Lima (Peru). 2005.
- Manejo de Sistema Informático para elaboración de planos topográficos (AUTOCAD LAND) (Information System Management for production of topographic maps). Organized by the Universidad Nacional de Ingeniería (UNI). Lima (Peru). 2004.
- Manejo de Sistema Informático para el diseño de planos lineales (AUTOCAD) (Information System Management for the design of linear maps). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2003.
Attendance at national and international conferences:
- XVIII Congreso Científico Internacional del Instituto Nacional de Ciencias Agrícolas (XVIII International Congress of the National Institute of Agricultural Sciences). Organized by the Instituto Nacional de Ciencias Agrícolas (INCA). San José de Las Lajas, La Habana (Cuba). 2012.
- XI Simposio Hispano-Portugués de Relaciones Hídricas en las Plantas (XI Hispano-Portuguese Symposium on Water Relations in Plants). Organized by the Grupo de Relaciones Hídricas de la Sociedad Española de Fisiología Vegetal. Sevilla (Spain). 2012.
- II Simposium Internacional sobre el Granado (II International Symposium on the Pomegranate). Organized by the Miguel Hernández University (UMH) and the Instituto Agronómico Mediterráneo de Zaragoza del Centro Internacional de

Hautes Études Agronomiques Méditerranéennes (IAMZ-CIHEAM). Madrid (Spain). 2011.
- 19th World Congress of Soil Science, Soil Solutions for a Changing World. Organized by Australian Society of Soil Science Incorporated (ASSSI). Brisbane (Australia). 2010.
- X Simposium Hispano-Portugués de Relaciones Hídricas en las Plantas (X Hispano-Portuguese Symposium on Water Relations in Plants). Organized by the Grupo de Relaciones Hídricas de la Sociedad Española de Fisiología Vegetal. Cartagena (Spain). 2010.
- I Jornadas Nacionales sobre el Granado: Producción, Economía, Industrialización, Alimentación y Salud (15 horas) (I National Symposium on Pomegranate: Production, Economy, Industry, Food and Health). Organized by the Miguel Hernández University (UMH). Elche-Alicante (España). 2010.
- XVII Congreso Científico Internacional del Instituto Nacional de Ciencias Agrícolas (XVII International Congress of the National Institute of Agricultural Sciences). Organized by the Instituto Nacional de Ciencias Agrícolas (INCA). San José de Las Lajas, La Habana (Cuba). 2010.
- XXI Congress of Chemists and Technologists of Macedonia. Organized by Institute of Chemistry. Faculty of Natural Sciences and Mathematics. University Ss Cyril and Methodius. Ohrid (Republic of Macedonia). 2010.
- Red Iberoamericana para la Gestión del Agua en Agricultura, Riego y Fertirriego (Iberoamerican Network for Water Management in Agriculture, Irrigation and Fertigation). Organized by the Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo, CYTED. Florianópolis, Santa Catalina (Brasil). 2008.
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- Día Mundial de los Humedales 2008 'Humedales sanos, gente sana' (World Day on the Wetlands 2008 'Healthy wetlands, healthy people'). Organized by the Instituto Nacional de Recursos Naturales (INRENA). Lima (Peru). 2008.
- I Simposium Nacional del Agua 'Día Mundial del Agua' (I National Symposium on the Water 'World Day on the Water'). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2007.
- Variabilidad, Cambio Climático y Recursos Hídricos del coloquio 'Investigación para el Desarrollo y Cooperación Científica Internacional' (Variability, Climatic Change and Water Resources Symposium 'Research for Development and International Scientific Cooperation'). Organized by the Consejo Nacional de Ciencia y Tecnología (CONCYTEC) and the Institut de Recherche Pour le Développement (IRD). Lima (Peru). 2007.
- VII ENUMA "Encuentro Nacional Universidad y Medio Ambiente" (VII ENUMA "University National and Environment Meeting"). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2007.
- IV Congreso Nacional de Estudiantes de Ingeniería Agrícola (IV National Congress of Agriculture Engineering Students). Organized by the Universidad Nacional de Trujillo (UNT). Trujillo (Peru). 2007.
- I Congreso Nacional de Sierra Exportadora (I National Congress on Sierra

	Export). Organized by the Universidad Nacional Agraria La Molina. Lima (Perú). 2007.
	- III Congreso Nacional de Estudiantes de Ingeniería Agrícola (CONEIA) (III National Congress of Agriculture Engineering Students (CONEIA)). Organized by Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2006.
	- II Congreso Nacional y I Congreso Iberoamericano de Riego y Drenaje (II National Congress and I Iberoamerican Congress on Irrigation and Drainage). Organized by the Universidad Nacional Agraria La Molina (UNALM). Lima (Peru). 2006.
	- VII Congreso Latinoamericano y del Caribe de Ingeniería Agrícola y V Congreso Internacional de Ingeniería Agrícola (VII Latin American and Caribbean Congress of Agriculture Engineering and V International Congress of Agriculture Engineering). Organized by the Universidad de Concepción. Chile. 2006.

Scientific References

Full name	Thierry Améglio
Position	Research Director and Assistant Director of the UMR PIAF
Institution	INRA Clermont-Ferrand
Email address	Thierry.Ameglio@clermont.inra.fr
Full name	Philippe Balandier
Position	Scientist IRSTEA
Institution	Unité de Recherches sur les écosystèmes forestiers (IRSTEA)
Email address	philippe.balandier@irstea.fr
Full name	Arturo Torrecillas
Position	Research Professor of CSIC (Consejo Superior de Investigaciones Científicas). Irrigation Department.
Institution	Centro de Edafología y Biología Aplicada del Segura (CEBAS)
Email address	atorreci@cebas.csic.es
Full name	Brent Clothier
Position	Science Group Leader and Systems Modelling of Plant & Food Research (PFR)
Institution	The New Zealand Institute for Plant & Food Research Limited
Email address	Brent.Clothier@plantandfood.co.nz