



Cristina Romero Trigueros

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

PhD Cristina Romero Trigueros is a postdoctoral researcher in the Irrigation Department of CEBAS-CSIC (Center for Edaphology and Applied Biology of Segura - Spanish National Research Council).

Her research line focuses on smart and precision fertigation management of Mediterranean crops under different scenarios related to climate change and environmental pollution by advanced agronomic techniques with the support of ICT. The two main topics are:

A) Evaluation the viability and environmental sustainability of Mediterranean woody (citrus, olive and almond) and horticultural crops irrigated under **water deficit conditions** and with **different water qualities** (fresh water, desalinated and reclaimed water) in semi-arid systems by agronomical (yield, fruit and soil quality), physiological (traditional and new molecular indicators) and eco-environmental (stable isotopes and nutrient use efficiencies) studies.

B) **Eco-sustainable fertigation management** through (1) different crop management in areas vulnerable to nitrate contamination and (2) validation of new nutritional and biostimulant products.

As for academic training, she obtained the Environmental Sciences degree by University of Murcia (UMU) in 2009, and two doctorates: Doctorate by the UMU in 2015 about Environmental Chemical Engineering and, later, the International Doctorate by the Polytechnic University of Cartagena (UPCT) in 2018 about Advanced Techniques in Agricultural and Food Research and Development (extraordinary award).

In relation to scientific activity, she has participated in 28 R&D projects financed through competitive calls (10 European and international) and in 28 non-competitive R&D contracts.

She has contributed in 52 scientific publications (27 in journals of high impact index, 2 chapters book and 2 monographs), and 32 papers sent to conferences (16 international).

In addition, she was Associate Professor of the Department of Chemical Engineering of the UMU and Professor, researcher and organizer in the international network NUCIF (University of Bari Aldo Moro, Italy).

She has researched in several national and international Universities and Research Centers:

- Safety and Hygiene Group in the Industry and Air Quality of the UMU (Murcia).
- IRNAS Irrigation and Crops Department of Crops (Sevilla).
- Joint FAO / IAEA Division of Nuclear Techniques in Food and Agriculture. International Atomic Energy Agency (AIEA, Vienna, Austria).
- Department of Plants and Systems of Horticultural Cultivation of the INRA (Avignon, France).
- Department of Environmental and Agronomic Sciences of the University of Bari, Italy (March 2018- February 2020) through a postdoctoral fellowship funded by the Seneca Foundation (Agency for Science and Technology of Region of Murcia).



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Total articles published (WoS): 26 (Most of them in theWoS research areas: Agriculture, Water resources, Plant Science, and Environmental Science Ecology) (more 4 articles under review)
Most of the articles in journals of the first quartile.
First/last autor in articles already published: 13.
Total times cited:347
Average citations per ítem: 13.35
H-index (WoS): 11



Cristina Romero Trigueros

Surname(s): **Romero Trigueros**
Name: **Cristina**
ORCID: **0000-0002-8232-5698**
ResearcherID: **J-2212-2015**
Contact province: **Region of Murcia**
Contact address: **C/ PERIODISTA LEOPOLDO AYUSO, 5, 5º B**
Postcode: **30009**
Contact country: **Spain**
Contact aut. region/reg.: **Region of Murcia**
Contact city: **MURCIA**
Email: **c.romerotrigueros@um.es**

Current professional situation

Employing entity: Ministerio de Ciencia e Innovación **Type of entity:** Spanish Ministry
Department: CEBAS-CSIC
Professional category: "Juan de la Cierva Incorporación" postdoctoral researcher
Email: c.romerotrigueros@um.es; cromero@cebas.csic.es
Start date: 01/05/2021
Type of contract: Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time
Primary (UNESCO code): 310000 - Agricultural Sciences
Secondary (UNESCO code): 310300 - Agronomy
Tertiary (UNESCO code): 310000 - Agricultural Sciences; 310205 - Irrigation; 310303 - Crop management; 310308 - Management for plant production

Previous positions and activities

	Employing entity	Professional category	Start date
1	CEBAS-CSIC	Postdoctoral researcher	01/04/2020
2	FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA	Posdoctoral researcher	01/03/2018
3	Centro de Edafología y Biología Aplicada del Segura	Researcher, Superior degree of technical and professional activities	01/02/2016
4	Centro de Edafología y Biología Aplicada del Segura	JAE Predoc CSIC	01/12/2011
5	Universidad de Murcia	Student PhD (first doctorate)	01/01/2010
6	Universidad de Murcia	Research initiation fellowship (PhD student)	01/09/2009
7	Universidad de Murcia	Student collaboration in departments fellowship	01/09/2008

	Employing entity	Professional category	Start date
8	Universidad de Murcia	Practices of Occupational Hazards Prevention, Specialist, certificate in Industrial Hygiene	2009
9	Universidad de Murcia	Practices of Occupational Hazard Prevention, Specialist, certificate in Workplace Safety	2009
10	Universidad de Murcia	Practices of Occupational Hazards Prevention, Specialist certificate in Ergonomics and Psychology	2009

1 Employing entity: CEBAS-CSIC

Professional category: Postdoctoral researcher

Start-End date: 01/04/2020 - 31/12/2020

Duration: 9 months

2 Employing entity: FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA

Department: Department of Agro-Environmental and Territorial Sciences (DiSAAT), University of Bari

City employing entity: Bari, Puglia, Italy

Professional category: Postdoctoral researcher **Educational Management (Yes/No):** Yes

Start-End date: 01/03/2018 - 28/02/2020

Duration: 2 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Primary (UNESCO code): 310000 - Agricultural Sciences

Secondary (UNESCO code): 310300 - Agronomy

Tertiary (UNESCO code): 310303 - Crop management

Field of management activity: University

3 Employing entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

Department: Riego, Centro de Edafología y Biología Aplicada del Segura

Professional category: Researcher, Superior degree of technical and professional activities

Email: cromero@cebas.csic.es

Start-End date: 01/02/2016 - 28/02/2018

Duration: 2 years - 1 month

Type of contract: Temporary employment contract

Dedication regime: Part time

Primary (UNESCO code): 310000 - Agricultural Sciences

Secondary (UNESCO code): 310300 - Agronomy

Tertiary (UNESCO code): 230502 - Isotope tracers; 310205 - Irrigation; 310303 - Crop management; 310308 - Management for plant production; 310391 - Use (management) combined water and fertilizer; 310704 - Fruit

Field of management activity: Public Research Body

4 Employing entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

Professional category: JAE Predoc CSIC

Start-End date: 01/12/2011 - 15/11/2015

Duration: 3 years - 11 months - 15 days

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Primary (UNESCO code): 230000 - Chemistry; 240000 - Life Science; 310000 - Agricultural Sciences

Secondary (UNESCO code): 241700 - Plant Biology (Botany); 310000 - Agricultural Sciences
Tertiary (UNESCO code): 230502 - Isotope tracers; 239100 - Environmental Chemistry; 241713 - Plant ecology; 241717 - Plant nutrition; 241719 - Plant physiology; 310205 - Irrigation; 310303 - Crop management; 310391 - Use (management) combined water and fertilizer; 310704 - Fruit

- 5** **Employing entity:** Universidad de Murcia **Type of entity:** University
Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química
City employing entity: MURCIA, Region of Murcia, Spain
Professional category: Student PhD (first doctorate) **Educational Management (Yes/No):** Yes
Phone: (+34) 868887996 **Email:** c.romerotrigueros@um.es
Start-End date: 01/01/2010 - 30/11/2011 **Duration:** 2 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 230000 - Chemistry
Secondary (UNESCO code): 230100 - Analytical chemistry; 239100 - Environmental Chemistry
Tertiary (UNESCO code): 230103 - Chromatographic analysis
Identify key words: Natural sciences and health sciences; Environmental protection; Pollution control measures; Pollution; Pollutant
Field of management activity: University
- 6** **Employing entity:** Universidad de Murcia
Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química
City employing entity: Espinardo, Region of Murcia, Spain
Professional category: Research initiation fellowship (PhD student)
Email: c.romerotrigueros@um.es
Start-End date: 01/09/2009 - 31/12/2009 **Duration:** 4 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Part time
Primary (UNESCO code): 250100 - Atmospheric sciences
Secondary (UNESCO code): 250105 - Atmospheric chemistry
Field of management activity: University
- 7** **Employing entity:** Universidad de Murcia
Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química
City employing entity: Espinardo, Region of Murcia, Spain
Professional category: Student collaboration in departments fellowship
Start-End date: 01/09/2008 - 01/09/2009 **Duration:** 1 year
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Part time
Field of management activity: Public Research Body
- 8** **Employing entity:** Universidad de Murcia **Type of entity:** University
Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química
Professional category: Practices of Occupational Hazards Prevention, Specialist, certificate in Industrial Hygiene
Start date: 2009 **Duration:** 1 month
Dedication regime: Full time

**9 Employing entity:** Universidad de Murcia

Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química

City employing entity: Espinardo, Region of Murcia, Spain

Professional category: Practices of Occupational Hazard Prevention, Specialist, certificate in Workplace Safety

Start date: 2009

Duration: 1 month

Dedication regime: Full time

Field of management activity: University

10 Employing entity: Universidad de Murcia

Department: Grupo de Investigación de Seguridad e Higiene en la Industria. Departamento de Ingeniería Química, Facultad de Química

Professional category: Practices of Occupational Hazards Prevention, Specialist certificate in Ergonomics and Psychology

Start date: 2009

Duration: 1 month

Dedication regime: Full time



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Bachelor of Environmental Science

Degree awarding entity: Universidad de Murcia

Type of entity: University

Date of qualification: 25/09/2009

Doctorates

1 **Doctorate programme:** Official PhD Program in Advanced Techniques in Agricultural and Food Research and Development

Degree awarding entity: Escuela Técnica Superior de Agronomía, Universidad Politécnica de Cartagena

Type of entity: University

City degree awarding entity: Cartagena, Region of Murcia, Spain

Date of degree: 27/02/2018

European doctorate: Yes

Date of certificate: 27/02/2018

Thesis title: Estudio de viabilidad del uso de agua regenerada y riego deficitario controlado en cítricos

Thesis director: Emilio Nicolás Nicolás

Obtained qualification: CUM LAUDE

Recognition of quality: Yes

Special doctorate award: Yes

Date of award: 27/11/2018

Standardised degree: Yes

2 **Doctorate programme:** Official PhD Program in Chemical Engineering

Degree awarding entity: Universidad de Murcia

Type of entity: University

City degree awarding entity: MURCIA, Region of Murcia, Spain

Date of degree: 24/07/2015

DEA awarding entity: Universidad de Murcia

Date DEA was awarded: 30/09/2010

Thesis title: EVALUACIÓN DE LA NORMA UNE EN 14662-3:2006 PARA LA MEDIDA DE BENZENO EN AIRE AMBIENTE POR CROMATOGRAFÍA DE GASES: PROPUESTAS DE MODIFICACIONES

Thesis director: ENRIQUE GONZÁLEZ FERRADÁS

Obtained qualification: SOBRESALIENTE CUM LAUDE

Standardised degree: Yes



Other postgraduate university studies

- 1** **Type of education:** Postgraduate
Postgraduate qualification: Postgraduate in Chemical Engineering. Specialty: Environmental Engineering Research
Degree awarding entity: Universidad de Murcia **Type of entity:** University
Faculty, institute or centre: Facultad de Química
Date of qualification: 28/10/2010
Obtained qualification: Matrícula de Honor
Standardised degree: Yes
- 2** **Type of education:** Specialism
Postgraduate qualification: Advanced Technicians in Occupational Risk Prevention. Expert Specialist in Safety, Hygiene and Ergonomics-Psychosociology. 650 hours.
Degree awarding entity: Buerau Veritas Formación España. S. A. **Type of entity:** University Centres and Structures and Associated Bodies
Date of qualification: 01/11/2009
Standardised degree: Yes
- 3** **Type of education:** Masters
Postgraduate qualification: Master of Integrated Management Systems: Quality, Environment, Corporate Social Responsibility, Prevention of occupational risks, 1350 hours.
Degree awarding entity: ECA, Instituto de Tecnología y Formación **Type of entity:** University Centres and Structures and Associated Bodies
Date of qualification: 01/09/2009
Standardised degree: Yes

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1** **Type of training:** Course
Training title: Research thesis. Objectives, methods, results, discussion and conclusion. On line
City awarding entity: Cartagena, Region of Murcia, Spain
Awarding entity: Universidad Politécnica de Cartagena **Type of entity:** University
End date: 04/09/2017 **Duration in hours:** 25 hours
- 2** **Training title:** The research curriculum main aspects to enhance the CV
Awarding entity: Universidad Politécnica de Cartagena
End date: 04/09/2017 **Duration in hours:** 25 hours
- 3** **Training title:** Specific English: writing on line nivel B1
Awarding entity: Agencia Estatal del Consejo Superior de Investigaciones Científicas
End date: 16/05/2017 **Duration in hours:** 30 hours
- 4** **Training title:** Word 2010 On line
Awarding entity: Agencia Estatal del Consejo Superior de Investigaciones Científicas
End date: 08/05/2017 **Duration in hours:** 40 hours



- 5 Training title:** Keys to publish scientific manuscripts
Awarding entity: Universidad Politécnica de Cartagena **Type of entity:** University
End date: 2016
- 6 Training title:** The research career: Options after the PhD Thesis
Awarding entity: Universidad Politécnica de Cartagena **Type of entity:** University
End date: 2016
- 7 Training title:** Fertilization
Awarding entity: Ministerio de Educación y Ciencia
End date: 22/10/2015 **Duration in hours:** 20 hours
- 8 Training title:** Entrepreneur initiative module
Awarding entity: Escuela de Organización Industrial (EOI)
End date: 19/10/2015 **Duration in hours:** 150 hours
- 9 Training title:** Scientific Competency Workshop in English. Intermediate Level
Awarding entity: Agencia Estatal del Consejo Superior de Investigaciones Científicas.
End date: 13/04/2015 **Duration in hours:** 60 hours
- 10 Training title:** Scientific Instrumentation
Awarding entity: Universidad de Murcia. Servicio de Apoyo a la Investigación
End date: 19/12/2009 **Type of entity:** University
Duration in hours: 110 hours
- 11 Training title:** Internal auditor of quality management systems according to ISO 9001
Awarding entity: Bureau Veritas Certification **Type of entity:** Business
End date: 12/11/2009 **Duration in hours:** 45 hours
- 12 Training title:** Chief Auditor Quality according to ISO 9001:2008. IRCA. Official Certification
Awarding entity: The International Register of Certificated Auditors (IRCA). Ilustrísimo Colegio de Químicos y Asociación de Químicos de Murcia. SGS United Kingdom
End date: 06/10/2009 **Type of entity:** International body
- 13 Training title:** IPPC. Environmental Impact Assessment.
Awarding entity: Ilustrísimo Colegio Oficial de Químicos y Asociación de Químicos de Murcia
End date: 04/12/2007 **Duration in hours:** 30 hours
- 14 Training title:** English course
Awarding entity: Ilustrísimo Colegio Oficial de Químicos y Asociación de Químicos de Murcia **Type of entity:** Associations and Groups
End date: 28/11/2007 **Duration in hours:** 60 hours
- 15 Training title:** Analysis and Control of Risk. Workplace Safety.
Awarding entity: Ilustrísimo Colegio Oficial de Químicos y Asociación de Químicos de Murcia **Type of entity:** Associations and Groups
End date: 27/10/2007 **Duration in hours:** 30 hours



- 16 Training title:** The nature and the new environmental legislation
Awarding entity: Universidad de Murcia. Universidad Internacional del Mar **Type of entity:** University
End date: 21/09/2007 **Duration in hours:** 30 hours
- 17 Training title:** Diversity in the natural spaces of the Region of Murcia
Awarding entity: Universidad de Murcia **Type of entity:** University
End date: 05/05/2007 **Duration in hours:** 30 hours
- 18 Training title:** Waste Management and Contaminated Soil
Awarding entity: Ilustrísimo Colegio Oficial de Químicos y Asociación de Químicos de Murcia **Type of entity:** Associations and Groups
End date: 15/11/2006 **Duration in hours:** 30 hours
- 19 Training title:** Industrial Safety
Awarding entity: Ilustrísimo Colegio Oficial de Químicos y Asociación de Químicos de Murcia **Type of entity:** Associations and Groups
End date: 28/10/2006 **Duration in hours:** 30 hours
- 20 Training title:** Ecological foundations in the conservation of the natural environment
Awarding entity: Universidad de Murcia. Universidad Internacional del Mar **Type of entity:** University
End date: 22/09/2006 **Duration in hours:** 40 hours
- 21 Training title:** Environmental Education: Study of atmospheric, acoustic, soil and solid waste pollution
Awarding entity: Universidad de Murcia **Type of entity:** University
End date: 25/02/2006 **Duration in hours:** 32 hours
- 22 Training title:** Chemical and biological agents in workplaces
Awarding entity: Ilustrísimo Colegio Oficial de Químicos de Murcia y Asociación de Químicos de Murcia **Type of entity:** Associations and Groups
End date: 31/10/2005 **Duration in hours:** 14 hours
- 23 Training title:** Computer and information literacy
Awarding entity: Universidad Politécnica de Cartagena **Type of entity:** University
Duration in hours: 4 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	A1	A1	A1	A1	A1
English	B2	B2	B2	B1	B2



Teaching experience

General teaching experience

- 1** **Type of teaching:** International teaching
Name of the course: Study visit in Bari - Puglia (Italy) of the research staff from Paraguay: Visit to the DESERT experimetal platform of the University of Bari
Professional category: Proffesor
Type of programme: Erasmus+ Program of the European Union
Type of subject: Obligatory
University degree: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
Geographical area: Other international bodies
Start date: 11/10/2018
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 5
Entity: University of Bari Aldo Moro (Italy)
Faculty, institute or centre: Department of Agricultural and Environmental Science
City of entity: BARI BA, Italy
Subject language: Spanish
Type of teaching: In person theory
Type of call: Colaboration
End date: 11/10/2018
Type of entity: University
- 2** **Type of teaching:** International teaching
Name of the course: Training webinar 2018: Techniques of sustainable cultivation of Citrus fruits, process innovations in Citrus
Professional category: Proffesor
Type of programme: Erasmus+ Program of the European Union
Type of subject: Obligatory
University degree: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
Geographical area: International
Start date: 14/09/2018
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 2
Entity: University of Bari Aldo Moro (Italy)
Department: Department of Agricultural and Environmental Science
City of entity: BARI BA, Puglia, Italy
Subject language: Spanish
Type of teaching: Virtual
Type of call: Colaboration
End date: 14/09/2018
- 3** **Type of teaching:** International teaching
Name of the course: Training webinar 2018: Reuse of urban wastewater in agriculture: capacity building for public and private agencies
Professional category: Proffesor
Type of programme: Erasmus+ Program of the European Union
Type of subject: Obligatory
Type of teaching: Virtual
Type of call: Colaboration



University degree: Network de Universidades para el conocimiento y integracion de fronteras (NUCIF). Erasmus+ Program of the European Union

Geographical area: International

Start date: 11/09/2018

End date: 11/09/2018

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 2

Entity: University of Bari Aldo Moro (Italy)

Department: Department of Agricultural and Environmental Science

City of entity: BARI BA, Puglia, Italy

Subject language: Spanish

4 Type of teaching: Official teaching

Name of the course: Materiales Ópticos Avanzados

Related skills: Chemistry

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Optics and Optometry Degree

Geographical area: Regional

Course given: 2014/2015

Start date: 01/02/2015

End date: 31/07/2015

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 18

Entity: Universidad de Murcia

Type of entity: University

Faculty, institute or centre: Facultad de Química

Department: Department of Chemical Engineering

City of entity: Espinardo, Region of Murcia, Spain

City funding entity: Murcia, Region of Murcia, Spain

Subject language: Spanish

5 Type of teaching: Official teaching

Name of the course: Contaminación atmosférica

Related skills: Environmental Sciences

Type of programme: Bachelor's degree

Type of subject: Obligatory

Assessment type: Survey

University degree: Environmental Science Degree

Geographical area: Regional

Course given: 2014/2015

Start date: 01/02/2015

End date: 31/07/2015

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 41

Entity: Universidad de Murcia

Type of entity: University

Faculty, institute or centre: Facultad de Biología

Department: Ingeniería Química

City of entity: Espinardo, Region of Murcia, Spain

Assessment entity: Unidad para la calidad

Type of entity: University

City assessment entity: Murcia, Region of Murcia, Spain

Assessment type: Survey

Funding entity: Universidad de Murcia

City funding entity: Murcia, Region of Murcia, Spain

Mark obtained: 4.71

Top mark possible: 5



Subject language: Spanish

6 Type of teaching: Official teaching

Name of the course: Química de los Materiales Ópticos

Related skills: Chemistry

Type of programme: Bachelor's degree

Type of subject: Obligatory

University degree: Optics and Optometry Degree

Geographical area: Regional

Course given: 2014/2015

Start date: 01/02/2015

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 30

Entity: Universidad de Murcia

Faculty, institute or centre: Facultad de Química

Department: Ingeniería Química

City of entity: Espinardo, Region of Murcia, Spain

Type of entity: University

Funding entity: Universidad de Murcia

City funding entity: Espinardo, Region of Murcia, Spain

Subject language: Spanish

Professional category: Associate professor

Type of teaching: Laboratory work

Type of call: Competitive

End date: 31/07/2015

Type of entity: University

Experience supervising doctoral thesis and/or final year projects

1 Project title: Nutritional balance of olive crop irrigated with reclaimed and desalinated water

Co-director of thesis: Cristina Romero-Trigueros; Simón Navarro

Entity: Universidad de Murcia. Facultad de Química

Student: Jose Martínez Cano

Date of reading: 15/01/2020

2 Project title: Efectos del riego con agua regenerada combinada con estrategias de riego deficitario sobre la nutrición y los isótopos estables en cítricos

Type of project: End of course project

Entity: Universidad de Murcia. Facultad de Biología

Type of entity: University

City of entity: Espinardo, Region of Murcia, Spain

Student: María Isabel Valera Moreno

Obtained qualification: Sobresaliente

Date of reading: 08/09/2016

3 Project title: Efecto del anillado en árboles de pomelo bajo estrés hídrico y salino

Type of project: End of course project

Entity: Universidad de Murcia. Facultad de Biología

Type of entity: University

City of entity: Espinardo, Region of Murcia, Spain

Student: Ángela Belmonte Tébar

Obtained qualification: Sobresaliente

Date of reading: 06/07/2016

4 Project title: Interferencia de compuestos orgánicos volátiles (COVs) en la medida de benceno en aire ambiente mediante cromatografía de gases de acuerdo con la Norma UNE EN 14662-2006

Entity: Universidad de Murcia. Facultad de Química

Type of entity: University



City of entity: Espinardo, Region of Murcia, Spain
Student: María Fátima Moscardó Gómez
Obtained qualification: MATRÍCULA DE HONOR
Date of reading: 14/03/2013

- 5** **Project title:** Diseño de una instalación de atmósferas patrón para evaluar analizadores de benceno en aire ambiente
Type of project: End of course project
Entity: Universidad de Murcia. Facultad de Biología **Type of entity:** University
City of entity: MURCIA, Region of Murcia, Spain
Student: María Isabel Martínez Romero
Obtained qualification: Sobresaliente
Date of reading: 22/09/2010

Educational or pedagogical publications, books, articles, etc.

- 1** Cristina Romero Trigueros; Enrique González Ferradás. Ozono en aire ambiente. Requerimientos exigidos por la actual normativa europea a los equipos de medida de ozono por fotometría ultravioleta, Editorial Académica Española. pp. 0 - 188. Editorial Académica Española. 2012. ISBN 978-3-8484-6454-8
Name of the materials: Air quality
Date of drafting: 11/05/2012
Format: Book
Degree of contribution: Author or co-author of entire book
Corresponding author: Yes
EAN: 9783848464548
Position of signature: 1
- 2** Cristina Romero Trigueros; Enrique González Ferradás; Marta Doval Miñarro. Equipos de medida de benceno en aire ambiente, Equipos de medida de benceno en aire ambiente. pp. 0 - 192. Editorial Académica Española. 2012. Available on-line at: <<https://www.eae-publishing.com/catalog/details/store/de/book/978-3-8473-6346-0/equipos-de-medida-de-benceno-en-aire-ambiente?search=Benceno>>. ISBN 978-3-8473-6346-0
Name of the materials: Chemical Technology
Date of drafting: 26/01/2012
Format: Book
Degree of contribution: Author or co-author of entire book
Corresponding author: Yes
EAN: 9783847363460
Position of signature: 1

Other activities/achievements not included above

- 1** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. JD^a. José Martínez Cano (Grade in Chemistry) on the quality response of grapefruit fruit to irrigation with reclaimed water (320 h)
Organising entity: Centro de Edafología y Biología **Type of entity:** State agency
 Aplicada del Segura
End date: 20/12/2019
- 2** **Description of the activity:** Director of a predoctoral stay. Student: Jose María Bayona Gambin.
 25/06/2016-25/09/2019
City of activity: Bari, Puglia, Italy



Organising entity: Universidad de Bari
End date: 25/09/2019

Type of entity: University

- 3 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. JD^a. Cintia Sánchez Martínez (Grade in Biology) on the quality response of grapefruit fruit to irrigation with reclaimed water (320 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/04/2019

- 4 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. José María Ponce Bernabé (Grade in Biotechnology) on the quality response of grapefruit fruit to irrigation with reclaimed water (310 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/01/2019

- 5 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. Beatriz Tornel Romero (Grade in Environmental Science) on the quality response of grapefruit fruit to irrigation with reclaimed water (225 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/07/2018

- 6 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. María Victoria Carrasco Yelo (Grade in Biology) on the quality response of grapefruit fruit to irrigation with reclaimed water (225 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/07/2018

- 7 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. Alfonso Marín García (Master's Degree in Nutrition, Technology and Food Safety) on the quality response of grapefruit fruit to irrigation with reclaimed water (355 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/05/2018

- 8 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. Vanesa Pérez Pérez (Grade in Biology) on the quality response of grapefruit fruit to irrigation with reclaimed water (210 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/05/2018

- 9 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. Juan José Fructuoso Orenes (Grade in Biology) on the quality response of grapefruit fruit to irrigation with reclaimed water (160 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

End date: 01/04/2018

- 10 Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D. David Piñera Avellaneda (degree in Biotechnology) on the response of crops to irrigation with reclaimed water (175 h)

Organising entity: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency



End date: 01/12/2017

- 11** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. Esther Martínez Martínez (degree in Biotechnology) on the response of crops to irrigation with reclaimed water (215 h)
City of activity: Murcia,
Organising entity: Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
End date: 01/12/2017
- 12** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. M^a del Pilar Martínez Bravo (degree in Food Science and Technology) on the response of crops to irrigation with reclaimed water (205 h)
City of activity: Murcia,
Organising entity: Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
End date: 01/09/2017
- 13** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. M^a Victoria Flores Cervantes (degree in Environmental Science) on the response of crops to irrigation with reclaimed water (156 h)
City of activity: Murcia,
Organising entity: Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
End date: 01/06/2016
- 14** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. Ángela Belmonte Tébar (degree in Biology) on girdling effect in grapefruit crop irrigated with reclaimed water and water stress (156 h)
City of activity: Murcia,
Organising entity: Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
End date: 01/05/2016
- 15** **Description of the activity:** Supervisor of the extracurricular practices (COIE, UMU) of D^a. Isabel Valera Moreno (degree in Environmental Sciences) on the isotopic response of crops to irrigation with reclaimed water (152 h)
City of activity: Murcia,
Organising entity: Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
End date: 04/2016
- 16** **Description of the activity:** Main responsible tutor of extracurricular practices of different students. 165 hours.
City of activity: MURCIA, Spain
Organising entity: Universidad de Murcia
Type of entity: University
End date: 01/09/2015



Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Department of Agricultural and Environmental Science
Aims of the group: Sustainability of mediterranean crops irrigated with reclaimed water
Name of principal investigator: Salvatore Camposeo
Type of collaboration: Co-authorship of international collaboration
City of group: Bari, Puglia, Italy
Affiliation entity: University of Bari Aldo Moro (UNIBA) **Type of entity:** University
Start date: 01/03/2018 **Duration:** 2 years
- 2** **Name of the group:** Plants and Cropping Systems in Horticulture Department
Aims of the group: Acquisition of ecophysiological data and fruit growth for modeling based on biophysical processes.
Name of principal investigator: Michel Génard
Type of collaboration: Co-authorship of international collaboration
City of group: Avignon, Provence-Alpes-Côte d'Azur, France
Affiliation entity: Centre de Recherche Agronomique d'Avignon-National Institute of Agronomic Research of France (INRA) **Type of entity:** Public Research Body
Start date: 01/07/2016 **Duration:** 1 month
- 3** **Name of the group:** Soil and Water Management and Crop Nutrition Section. Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture
Aims of the group: Isotopic discrimination techniques for the improvement of crop sustainability
Name of principal investigator: Gerd Dercon
Type of collaboration: Co-authorship of international collaboration
City of group: Vienna, Austria
Affiliation entity: International Atomic Energy Agency (IAEA) **Type of entity:** International research body
Start date: 11/08/2014 **Duration:** 3 months
- 4** **Name of the group:** Department of Irrigation and Ecophysiology of Crops
Aims of the group: Ecofisiología de cultivos sometidos a estreses abióticos
Name of principal investigator: Antonio Díaz Espejo
City of group: Sevilla, Andalusia, Spain
Affiliation entity: Instituto de Recursos Naturales y Agrobiología de Sevilla (IRNAS) **Type of entity:** Public Research Body
Start date: 03/03/2013 **Duration:** 15 days
- 5** **Name of the group:** Department of Irrigation, Sustainable Water Management in Mediterranean Agro Systems
Aims of the group: Evaluación de diferentes estrategias de riego sobre la agronomía y ecofisiología de los cultivos
Name of principal investigator: Emilio Nicolás Nicolás
Standardised code: 19903/GERM/15 **Type of collaboration:** Co-authorship of projects and their development
City of group: MURCIA, Region of Murcia, Spain



Affiliation entity: Centro de Edafología y Biología
Aplicada del Seguro
Start date: 01/12/2011

Type of entity: State agency
Duration: 6 years - 2 months

- 6** **Name of the group:** Research Group on Safety and Hygiene in Industry, Departament of Chemical engineering, Faculty of Chemistry
Aims of the group: Air quality evaluation
Name of principal investigator: Enrique González Ferradás
Type of collaboration: Co-authorship of publications
City of group: Murcia, Region of Murcia, Spain
Affiliation entity: Universidad de Murcia
Start date: 01/09/2008

Type of entity: University
Duration: 10 years - 4 months

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** A novel plant-based approach to estimate irrigation water needs of orchards for an optimal water management (IRRIWELL)
Geographical area: Non EU International
Degree of contribution: Researcher
Entity where project took place: IRNASE-CSIC, CEBAS-CSIC
Name principal investigator (PI, Co-PI....): Díaz Espejo
Nº of researchers: 10
Funding entity or bodies:
CENTRO DE ACUSTICA APLICADA Y
EVALUACION NO DESTRUCTIVA
Type of entity: Associations and Groups
Type of participation: Research team member
Name of the programme: CONVOCATORIA PRIMA 2021. PROYECTOS DE COLABORACIÓN INTERNACIONAL 2021-2
Code according to the funding entity: PCI2021-122078-2A
Start-End date: 01/01/2022 - 31/12/2024
Duration: 3 years
Total amount: 199.545 €
Dedication regime: Part time
- 2** **Name of the project:** Agrochemical remediation of farm soils by combining solarization and ozonation techniques (LIFE- AgRemSO3il)
Geographical area: European Union
Entity where project took place: CEBAS, IMIDA
City of entity: MURCIA,
Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás
Funding entity or bodies:
Comisión de las Comunidades Europeas. Convocatoria LIFE17 ENV/ES/000203
Type of participation: Team member
Start-End date: 06/2018 - 06/2022
Duration: 4 years
Total amount: 2.221.210 €
Sub-project amount: 343.804 €
Dedication regime: Part time

- 3** **Name of the project:** Waste Water sludge solar DRYing FOR energy recovery through gasification GAS (LIFE-DRY4GAS)
Geographical area: European Union
Entity where project took place: CIEMAT; CEBAS-CSIC; Ci3; EHS; Rufepa Tecnoagro S.L; ESAMUR; LANCEA
Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás; CADAGUA S.A
Funding entity or bodies:
Comisión de las Comunidades Europeas
Type of participation: Team member
Name of the programme: Convocatoria LIFE16 ENV/ES/000342
Start-End date: 01/07/2017 - 31/12/2020
Total amount: 3.059.498 €
Dedication regime: Part time
Applicant's contribution: Participants: CIEMAT; CEBAS-CSIC; Fundación Centro de Innovación de Infraestructuras Inteligentes (Ci3); Environmental, Health and Safety Techniques S.L. (EHS); Entidad de Saneamiento y Depuración de aguas residuales de la Región de Murcia (ESAMUR); LANCEA proyectos y soluciones SL; Rufepa Tecnoagro S.L.
- 4** **Name of the project:** Gestión integrada de la regeneración y reutilización eficiente y segura de aguas residuales urbanas en la agricultura (REUSAGUA)
Geographical area: Regional
Entity where project took place: CEBAS, HIDROGEA, EMUASA, SISTEMA AZUD S.A., CETENMA, IMIDA, UMU, UPCT, ESAMUR. Coordinator Center: CEBAS-CSIC, Murcia
Funding entity or bodies:
Consejería de Empleo, Universidad y Empresa de la Comunidad Autónoma de Murcia
Type of participation: Team member
Start-End date: 01/09/2016 - 31/12/2020
Total amount: 614.710,7 €
Dedication regime: Part time
- 5** **Name of the project:** Assessing the Impact of Climate Change and its Effects on Soil and Water Resources on Polar and Mountainous Regions
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services
Geographical area: Non EU International
Degree of contribution: Technician
Entity where project took place: Soil and Water Management Crop Nutrition Laboratory. International Atomic Energy Agency (IAEA)
City of entity: Vienna, Austria
Type of participation: Team member
Code according to the funding entity: INT5153
Start-End date: 01/01/2014 - 01/01/2020 **Duration:** 6 years
Relevant results: To improve understanding of the impact of climate change on fragile polar and mountainous ecosystems at the local and global scale for enhanced Land and water management.
- 6** **Name of the project:** Low-cost water DEsalination and SEnsor Technology compact module (DESERT)
Geographical area: European Union
Entity where project took place: UNIBA y CRA-CSA (Italia), CSIC y NOVEDADES (España), ULg (Bélgica)
Name principal investigator (PI, Co-PI....): Pietro Rubino; Emilio Nicolás Nicolás
Funding entity or bodies:

Comisión de las Comunidades Europeas. Convocatoria WaterWorks 2014 (Project ID 217)

Type of participation: Team member

Start-End date: 01/04/2016 - 31/03/2019

Duration: 3 years

Total amount: 1.484.617 €

Dedication regime: Part time

7 Name of the project: Desarrollo de un módulo compacto de desalinización y fertirrigación de bajo coste (PCIN-2015-235)

Geographical area: National

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: Murcia, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

City funding entity: Spain

Type of participation: Team member

Start-End date: 04/2016 - 03/2019

Duration: 3 years

Total amount: 115.000 €

Dedication regime: Part time

8 Name of the project: Riego de precisión sostenible en cítricos y frutales de hueso con aguas de diferente calidad (AGL2016-77282-C3-1-R). TÍTULO DEL PROYECTO COORDINADO: Riego de precisión sostenible de cultivos leñosos en diferentes escenarios de déficit hídrico y salinidad.

Geographical area: National

Entity where project took place: CEBAS-CSIC, UPCT, UPM

City of entity: Spain

Name principal investigator (PI, Co-PI....): Emilio Nicolas Nicolás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Gobierno de España

Type of participation: Team member

Code according to the funding entity: AGL2016-77282-C3-1-R)

Start-End date: 2017 - 2019

Total amount: 400.000 €

Dedication regime: Part time

9 Name of the project: Sustainable Water Management in Mediterranean Agro Systems (19903/GERM/15)

Geographical area: Regional

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: Murcia, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

Fundación SENECA - Ayudas a los Grupos y Unidades de Excelencia Científica de la Región de Murcia

Type of participation: Team member

Start-End date: 2016 - 2019

Total amount: 200.000 €

Dedication regime: Part time

- 10** **Name of the project:** Nuevas tecnologías de cultivo para la mejora sostenible de la producción de tomate (Genemics) (RTC-2016-5220-2).
Geographical area: National
Entity where project took place: CAPITAL GENETIC EBT S.L. (COORDINADOR); PELEMIX; SYMBORG; CEBAS, Murcia (CSIC).
Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología **Type of entity:** SUBPROGRAMA RETOS-COLABORACIÓN 2016
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Code according to the funding entity: RTC-2016-5220-2
Start-End date: 01/02/2016 - 31/12/2018
Total amount: 1.172.477,43 €
- 11** **Name of the project:** Desarrollo de sistemas de riego subterráneo con capacidad de liberación controlada de sustancias inhibidoras del crecimiento radicular – CPLAST (RTC-2015-3321-2)
Geographical area: National
Entity where project took place: SISTEMA AZUD, S.A. (COORDINADOR); SALEPLAS; CEBAS, Murcia (CSIC); CETENMA; UCAM, Murcia.
Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología **Type of entity:** SUBPROGRAMA RETOS-COLABORACIÓN 2015
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Code according to the funding entity: RTC-2015-3321-2
Start-End date: 2015 - 2018
Total amount: 957.759,73 €
Dedication regime: Full time
- 12** **Name of the project:** Implementation of efficient irrigation management for a sustainable agriculture (IRRIMAN)
Geographical area: European Union
Entity where project took place: UPCT, CARM, CSIC, Comunidad de Regantes Genil Cabra (colectividad Santaella), Federación Nacional de Comunidades de Regantes de España (FENACORE), Universidad de Córdoba.
City of entity: Murcia, Region of Murcia, Spain
Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero
Funding entity or bodies:
Comisión de las Comunidades Europeas. Convocatoria LIFE13 ENV/ES/000539
Type of participation: Team member
Start-End date: 01/09/2014 - 31/12/2017
Total amount: 1.713.654 €
Dedication regime: Part time
- 13** **Name of the project:** Desarrollo y validación de un sistema semi-hidropónico para el cultivo sostenible de frutales (RTC-2014-2141-2).
Geographical area: National
Entity where project took place: SISTEMA AZUD, S.A. (COORDINADOR); CEBAS, Murcia (CSIC).
Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: SUBPROGRAMA
RETOS-COLABORACIÓN 2014**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Team member**Code according to the funding entity:** RTC-2014-2141-2**Start-End date:** 2014 - 2017**Total amount:** 681.075,81 €**Dedication regime:** Part time

- 14 Name of the project:** Sostenibilidad del riego deficitario automatizado con aguas regeneradas en cítricos y frutales. Índices agro-fisiológicos (AGL2013-49047-C2-2-R).

Geographical area: National**Entity where project took place:** Centro de
Edafología y Biología Aplicada del Segura**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Emilio Nicolás Nicolás**Funding entity or bodies:**

Comisión Interministerial de Ciencia y Tecnología

Type of entity: no**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Team member**Start-End date:** 01/01/2014 - 31/12/2016**Total amount:** 157.300 €**Dedication regime:** Part time

- 15 Name of the project:** Desarrollo y validación de un sistema de riego subterráneo inteligente.
IPT-2012-0480-310000

Geographical area: National**Entity where project took place:** Centro de
Edafología y Biología Aplicada del Segura**Type of entity:** State agency**City of entity:** Murcia, Region of Murcia, Spain**Name principal investigator (PI, Co-PI....):** Juan José Alarcón Cabañero**Funding entity or bodies:**

INNPACTO. MINECO

City funding entity: Spain**Type of participation:** Team member**Start-End date:** 01/01/2013 - 31/12/2015**Total amount:** 1.587.424,28 €**Dedication regime:** Part time

- 16 Name of the project:** On-Line profesional irrigation scheduling expert system (OPIRIS) FP7-KBBE-2013-7

Geographical area: European Union**Entity where project took place:** España (CSIC-CEBAS, RITEC, VARGAS, PROGEAGRO y EIC), Grecia (CERTH, ARGOS, AGROKTIMA, STROGILIS), Estonia (SEEDRI), Portugal (DONA-HORTA), France (EMWIS-SEMIDE), Gran Britania (FLIGHTS)**Name principal investigator (PI, Co-PI....):** Juan José Alarcón Cabañero**Funding entity or bodies:**

Unión Europea. CP-TP (Collaborative Project targeted to a special group (such as SMEs)). Convocatoria FP7-KBBE-2013-7-single-stage.

Start-End date: 12/2013 - 12/2015**Total amount:** 840.000 €

Dedication regime: Part time

- 17 Name of the project:** Solución integrada para reciclar, regenerar y reusar aguas residuales urbanas para su uso agrícola en producción de invernadero (EUIN2013-51177).

Geographical area: National

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

Type of participation: Team member

Code according to the funding entity: EUIN2013-51177

Start-End date: 2013 - 2015

Total amount: 22.000 €

Dedication regime: Part time

- 18 Name of the project:** Desarrollo de nuevos productos para el manejo integral y sostenible de sistemas agrícolas y forestales (IPT-2011-1400-310000).

Geographical area: National

Entity where project took place: CEBAS, Murcia (CSIC), FMC FORET S.A.

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología (SUBPROGRAMA INNPACTO 2011)

Type of participation: Team member

Code according to the funding entity: IPT-2011-1400-310000

Start-End date: 2011 - 2015

Total amount: 1.121.893,84 €

Dedication regime: Part time

- 19 Name of the project:** Desarrollo de un sistema experto para la programación automática del riego basado en aspectos agronómicos. IPT-2012-0950-310000

Geographical area: National

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: MURCIA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

INNPACTO. MINECO

Type of participation: Team member

Start-End date: 01/01/2013 - 31/12/2014

Total amount: 1.028.381,25 €

Dedication regime: Part time

- 20 Name of the project:** Intelligent Reclaim Irrigation System (IRIS)

Geographical area: European Union

Entity where project took place: CEBAS, Murcia (CSIC); RUFEP TECNOAGRO S.L., RITEC S.L., ESAMUR, HELLEBREKERS INSTALLATIE (TECHNIEK NUMSEET B.V.), CAPILIX B.V.

Name principal investigator (PI, Co-PI....): JUAN JOSÉ ALARCÓN CABAÑERO

Funding entity or bodies:

Comisión de las Comunidades Europeas. Convocatoria Eurostars (EUS-20110154)



Type of participation: Team member

Start-End date: 10/2011 - 09/2014

Total amount: 2.091.425 €

Dedication regime: Part time

21 Name of the project: Reutilización de aguas residuales en la agricultura de áreas urbanas y periurbanas (REOPTIMA)

Geographical area: Non EU International

Entity where project took place: ICAR, India; Wadeningen, Holland; UHOH, Germany; ICMR, India; CEBAS, Spain. COORDINADOR DEL PROYECTO: Mr. Ashwani Kumar (ICAR, Bhubaneswar – India).

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

Programa Nacional de Internacionalización de I+D New Indigo ERANET. (Cooperación con India) (PRI-PIMNIN2011-1474)

Start-End date: 2012 - 2014

Total amount: 30.000 €

Dedication regime: Part time

22 Name of the project: European Union and Africa Union Cooperative Research to increase Food production in irrigated farming systems in Africa (EAU4FOOD).

Geographical area: Non EU International

Entity where project took place: (CSIC, España) (ALTERRA, Holanda) (CIRAD, LISODE SARL, Francia) (OVERSEAS DEVELOPMENT INSTITUTE, UK) (INSTITUT D'ECOMOMIE RURALE, Mali) (CSIR, STELLENBOSCH UNIVERSITY, Sudáfrica) (IWMI, Sri Lanka) (IR

Name principal investigator (PI, Co-PI....): Jochen Froebrich (ALTERRA – Holanda); Juan José Alarcón Cabañero

Funding entity or bodies:

Comisión de las Comunidades Europeas (FP7-KBBE-AFRICA-2010-265471)

Type of participation: Team member

Start-End date: 2011 - 2014

Total amount: 3.995.053 €

Dedication regime: Part time

23 Name of the project: Sustainable Use of Irrigation Water in the Mediterranean Region (SIRRIMED KBBE-2009-1-2-03, PROPOSAL N° 245159)

Geographical area: Non EU International

Entity where project took place: CSIC, UPCT, Asociación de Fabricantes de Riego Españoles (AFRE), Federación Nacional de Comunidades de Regantes de España, FENACORE, España). (INRA, Francia). (Thessaly University, Grecia), etc.

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

Comisión de las Comunidades Europeas

Type of participation: Team member

Start-End date: 01/06/2010 - 31/12/2013

Total amount: 2.999.078 €

Dedication regime: Part time

Applicant's contribution: (CSIC, UPCT, Asociación de Fabricantes de Riego Españoles (AFRE), Federación Nacional de Comunidades de Regantes de España, FENACORE, España). (INRA, Francia). (Thessaly University, Grecia). (Universtá degli Studi di Foggia, Italia). (Wageningen University, Holanda). (Institute Agr. Vet. Hassam II, Sapiama S.L., Marruecos). (Lebanesse Agricultural Research Institute, Litani River Authority, Líbano).

- 24 Name of the project:** Uso de aguas regeneradas en el cultivo de cítricos. Análisis y mejora de la eficiencia en el uso del agua y los fertilizantes bajo distintas estrategias de riego (AGL2010-17553)

Geographical area: National

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: MURCIA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others

City funding entity: Spain

Type of participation: Team member

Start-End date: 2011 - 2013

Total amount: 151.250 €

Dedication regime: Part time

- 25 Name of the project:** Utilización de sensores físicos y químicos para el manejo de la fertirrigación con aguas regeneradas en cítricos (11872/PI/09)

Geographical area: Regional

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: MURCIA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Fundación Séneca. Centro de Coordinación de la Investigación de la CARM

City funding entity: Murcia, Region of Murcia, Spain

Type of participation: Team member

Start-End date: 2010 - 2012

Total amount: 79.150 €

- 26 Name of the project:** Diseño y selección de materiales de un sistema de atmósferas patrón para obtener una concentración conocida de contaminantes en emisión

Geographical area: Regional

Entity where project took place: Safety and Hygiene Industry Research Group, University of Murcia.

Type of entity: University

City of entity: Murcia, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Enrique González Ferradás

Funding entity or bodies:

CONSEJERÍA DE AGRICULTURA Y AGUA DE LA COMUNIDAD AUTÓNOMA DE MURCIA,

Type of entity: PUBLIC ORGANIZATION

City funding entity: MURCIA, Region of Murcia, Spain

Type of participation: Team member

Start-End date: 10/2010 - 10/2011

Total amount: 10.000 €

Dedication regime: Full time

- 27 Name of the project:** Actuaciones para la mejora de los sistemas de medida de benceno, tolueno y xilenos en aire de la Comunidad Autónoma de la Región de Murcia

Geographical area: Regional

Entity where project took place: Safety and Hygiene Industry Research Group, University of Murcia.

Type of entity: University

City of entity: MURCIA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Enrique González Ferradás

Nº of researchers: 3

Funding entity or bodies:

CONSEJERÍA DE AGRICULTURA Y AGUA DE LA COMUNIDAD AUTÓNOMA DE MURCIA

Type of entity: PUBLIC ORGANIZATION

City funding entity: MURCIA, Region of Murcia, Spain

Type of participation: Team member

Start-End date: 01/09/2009 - 01/09/2010

Total amount: 69.600 €

Dedication regime: Full time

- 28 Name of the project:** Servicio de desarrollo de las actuaciones en materia de control y garantía de la calidad de datos de la red de vigilancia de la contaminación atmosférica

Geographical area: Regional

Entity where project took place: Safety and Hygiene Industry Research Group, University of Murcia.

City of entity: MURCIA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Enrique González Ferradás

Nº of researchers: 3

Funding entity or bodies:

CONSEJERÍA DE AGRICULTURA Y AGUA DE LA COMUNIDAD AUTÓNOMA DE MURCIA

Type of entity: PUBLIC ORGANIZATION

City funding entity: MURCIA, Region of Murcia, Spain

Type of participation: Team member

Start-End date: 01/12/2008 - 01/09/2009

Dedication regime: Full time

R&D non-competitive contracts, agreements or projects with public or private entities

- 1 Name of the project:** Eco-sustainable Fertigation Project in Mar Menor area. Fertinagro Protocol.

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Cristina Romero-Trigueros; Emilio Nicolás

Nº of researchers: 2

Funding entity or bodies:

Fertinagro Biotech S.L.

Start date: 01/01/2022

Duration: 9 months

Total amount: 12.000 €

- 2 Name of the project:** Eco-sustainable Fertigation Project in Mar Menor area. Mundeco Protocol.

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Romero Trigueros; Nicolás Nicolás

Nº of researchers: 2

Funding entity or bodies:

Explotaciones Mundo Ecológico S.L.

Start date: 01/01/2022

Duration: 9 months

Total amount: 12.000 €

- 3** **Name of the project:** Eco-sustainable Fertigation Project in Mar Menor area. Timac Agro Protocol.
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Cristina Romero-Trigueros; Emilio Nicolás
Nº of researchers: 2
Funding entity or bodies:
Timac Agro España, S.A.
Start date: 01/01/2022 **Duration:** 9 months
Total amount: 12.000 €
- 4** **Name of the project:** "Encomienda de gestión" agreement for the development of scientific-technical guidelines according the DNSH principle for "Plan for the improvement of efficiency and sustainability in irrigation"
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Cristina Romero-Trigueros; Emilio Nicolás
Nº of researchers: 2
Funding entity or bodies:
MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACION
Start date: 01/12/2021 **Duration:** 3 months
Total amount: 161.977 €
- 5** **Name of the project:** Protocol for the installation and validation of continuous soil-plant-atmosphere monitoring systems.
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Romero Trigueros; Nicolas Nicolás
Nº of researchers: 2
Funding entity or bodies:
Widhoc Smart Solution S.L
City funding entity: Spain
Start date: 10/09/2021 **Duration:** 2 years
Total amount: 34.500 €
- 6** **Name of the project:** Evaluación agro-fisiológica de eficacia de fertilizantes ecológicos en diferentes ciclos de lechuga y pomelo. Proyecto ecológico.
Name principal investigator (PI, Co-PI....): Emilio Nicolás
Funding entity or bodies:
Timac Agro España, S.A.
Start date: 01/04/2021 **Duration:** 1 year
Total amount: 38.720 €
- 7** **Name of the project:** Estudio agro-fisiológico de aplicación de fertilizantes en hortalizas de hoja Florette.
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Emilio Nicolás
Funding entity or bodies:
Timac Agro España, S.A.
Start date: 01/04/2020 **Duration:** 1 year
Total amount: 9.680 €

- 8** **Name of the project:** Estudio fisiológico y agronómico de aplicación de fertilizantes ecológicos en frutales.
Entity where project took place: Centro de Edafología y Biología Aplicada del Segura
Entity where project took place: Centro de Edafología y Biología Aplicada del Segura **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Emilio Nicolás
Funding entity or bodies:
CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA **Type of entity:** Associations and Groups
Timac Agro España, S.A. (Grupo Roullier)
Start date: 01/03/2020 **Duration:** 1 year
Total amount: 36.300 €
- 9** **Name of the project:** Study of the nutritional status of Mediterranean crops irrigated with regenerated saline water and desalinated water combined with water deficit
Type of project: Research and development, including transfer **Entity where project took place:** Centro de Edafología y Biología Aplicada del Segura
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Centro de Edafología y Biología Aplicada del Segura **Type of entity:** State agency
City of entity: Murcia, Region of Murcia, Spain
Name principal investigator (PI, Co-PI....): Cristina Romero Trigueros
Nº of researchers: 4
Funding entity or bodies:
University of Bari Aldo Moro **Type of entity:** University
City funding entity: Bari, Puglia, Italy
Start date: 01/03/2020 **Duration:** 2 years
Total amount: 15.000 €
- 10** **Name of the project:** Mejora de la productividad y sostenibilidad agrícola a través del fertirriego inteligente y de marcadores moleculares precoces del estado fisiopatológico del limonero (Meprosol)
Type of project: Research and development, including transfer **Entity where project took place:** CEBAS, Murcia (CSIC).
Degree of contribution: Technician
Entity where project took place: CEBAS, Murcia (CSIC).
City of entity: Murcia, Region of Murcia, Spain
Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás
Funding entity or bodies:
Transformaciones y Explotaciones Agrícolas S.L.
Code according to the funding entity: 20175459
Start date: 19/07/2017 **Duration:** 5 years
Total amount: 423.500 €
- 11** **Name of the project:** Desarrollo de un sistema de producción adaptado a cultivos protegidos bajo un nuevo diseño estructural con partículas innovadoras de la intensidad luminosa y nanomateriales avanzados aplicados al sistema de micro-irrigación con efecto biocida.
Entity where project took place: CEBAS, Murcia (CSIC).
Entity where project took place: CEBAS, Murcia (CSIC).
Funding entity or bodies:
SISTEMA AZUD S.A.
Start date: 01/07/2017 **Duration:** 1 year - 5 months

Total amount: 24.200 €

- 12 Name of the project:** Estudio fisiológico y agronómico de aplicación de productos nutricionales en cultivos frutales y de uva de mesa.

Entity where project took place: CEBAS, Murcia (CSIC).

Entity where project took place: CEBAS, Murcia (CSIC).

Name principal investigator (PI, Co-PI....): Emilio Nicolás

Funding entity or bodies:

TIMAC AGRO ESPAÑA, S.A. (Grupo Roullier).

Start date: 01/03/2017

Duration: 1 year

Total amount: 35.090 €

- 13 Name of the project:** Estudio fisiológico y agronómico de aplicación de productos para metabolismo de hierro en cultivos frutales y cítricos.

Entity where project took place: CEBAS, Murcia (CSIC).

Degree of contribution: Researcher

Entity where project took place: CEBAS, Murcia (CSIC).

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

TIMAC AGRO ESPAÑA, S.A

Start date: 01/03/2017

Duration: 1 year

Total amount: 30.250 €

- 14 Name of the project:** Estudio fisiológico y agronómico de aplicación de tres materias orgánicas líquidas en cultivo de lechuga

Entity where project took place: CEBAS, Murcia (CSIC).

Entity where project took place: CEBAS, Murcia (CSIC).

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

TIMAC AGRO ESPAÑA, S.A. (Grupo Roullier).

Start date: 01/03/2017

Duration: 1 year

Total amount: 9.680 €

- 15 Name of the project:** Estudio fisiológico y agronómico de aplicación de Emeoro en cultivo de lechuga y melocotonero

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Degree of contribution: Researcher

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Timac Agro España, S.A. (Grupo Roullier)

Start date: 01/2017

Duration: 1 year

Total amount: 14.520 €

- 16 Name of the project:** Desarrollo de proceso de limpieza innovador de máxima eficiencia para membranas de ultrafiltración.

Entity where project took place: CEBAS, Murcia (CSIC).

Entity where project took place: CEBAS, Murcia (CSIC).

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

ECOHIDRO AGUA Y MEDIOAMBIENTE EBT S.L.

Start date: 01/08/2016**Duration:** 2 years - 4 months**Total amount:** 44.770 €

- 17 Name of the project:** Gestión y manejo de las aguas regeneradas procedentes de la EDAR de Jumilla en la Comunidad de Regantes Miraflores. Cursos de formación a sus comuneros sobre su reutilización agrícola

Entity where project took place: CEBAS, Murcia (CSIC).**Entity where project took place:** CEBAS, Murcia (CSIC).**Name principal investigator (PI, Co-PI....):** Emilio Nicolás Nicolás**Funding entity or bodies:**

Comunidad de Regantes Miraflores

Type of entity: Associations and Groups**City funding entity:** Jumilla, Region of Murcia, Spain**Start date:** 01/06/2016**Duration:** 3 years**Total amount:** 85.813,2 €

- 18 Name of the project:** Estudio de situación de las emisiones de compuestos orgánicos volátiles en el oxidador térmico regenerativo (RTO) de la empresa Derivados Químicos SAU", CONTRATO DE ASESORÍA ENTRE LA UNIVERSIDAD DE MURCIA Y LA EMPRESA DERIVADOS QUÍMICOS

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Esther González Duperón**Nº of researchers:** 4**Funding entity or bodies:**CENTRO DE ACUSTICA APLICADA Y
EVALUACION NO DESTRUCTIVA**Type of entity:** Associations and Groups

DERIVADOS QUIMICOS, S.A.

City funding entity: Spain**Start date:** 01/12/2015**Duration:** 3 months**Total amount:** 3.000 €

- 19 Name of the project:** Estudio fisiológico y agronómico de aplicación de tres materias orgánicas líquidas en cultivo de lechuga.

Entity where project took place: CEBAS, Murcia (CSIC).**Entity where project took place:** CEBAS, Murcia (CSIC).**Name principal investigator (PI, Co-PI....):** Emilio Nicolás Nicolás**Funding entity or bodies:**

TIMAC AGRO ESPAÑA, S.A. (Grupo Roullier).

Start date: 01/10/2015**Duration:** 1 year**Total amount:** 9.680 €

- 20 Name of the project:** Estudio de evaluación para el control de briozoos y de los efectos agronómicos de aplicación de un nuevo abono CE en cultivos

Entity where project took place: CEBAS, Murcia (CSIC).**Entity where project took place:** CEBAS, Murcia (CSIC).**Name principal investigator (PI, Co-PI....):** Emilio Nicolás Nicolás**Funding entity or bodies:**

Química Industrial Mediterránea S.L.U.

Code according to the funding entity: 20150683**Start date:** 01/03/2015**Duration:** 8 months

Total amount: 8.185,65 €

- 21 Name of the project:** Estudio fisiológico y agronómico de aplicación de tres bioestimulantes en cultivo de tomate y pimiento

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Timac Agro España, S.A. (Grupo Roullier)

Start date: 11/2014

Duration: 9 months

Total amount: 18.150 €

- 22 Name of the project:** Estudio fisiológico y agronómico de aplicación de abonos KSC en tomate y de dos productos de tipo Fertiactyl GZ en lechuga

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Timac Agro España, S.A. (Grupo Roullier)

Start date: 10/2013

Duration: 1 year - 1 month

Total amount: 12.698 €

- 23 Name of the project:** Gestión y manejo de las aguas regeneradas procedentes de la EDAR de Jumilla en la Comunidad de Regantes Miraflores. Cursos de formación a sus comuneros sobre su reutilización agrícola.

Degree of contribution: Coordinator of total project, network or consortium

City of entity: Jumilla, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Comunidad de Regantes Miraflores

Type of entity: Associations and Groups

City funding entity: Jumilla, Region of Murcia, Spain

Start date: 01/06/2013

Duration: 3 years

Total amount: 125.795 €

- 24 Name of the project:** Efectos del riego con agua regenerada en suelos, acuíferos y cultivos

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Empresa de Transformación Agraria, S.A., (Grupo Tragsa)

City funding entity: Spain

Start date: 01/03/2011

Duration: 5 years

Total amount: 118.053 €

- 25 Name of the project:** Evaluación de un nuevo sistema de emisor para riego localizado

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Sistema Azud, S.A.

Start date: 03/2011

Duration: 1 year

Total amount: 9.440 €

- 26 Name of the project:** Evaluación agronómica de 'WETSTOP' en cítricos y parral.

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

FMC Foret, S.A.

Start date: 03/2010

Duration: 1 year

Total amount: 23.500 €

- 27** **Name of the project:** Evaluación de tres nuevos fertilizantes: 'Magphos' en limonero, 'Phoscal' y 'Calmag' en uva de mesa

Name principal investigator (PI, Co-PI....): Emilio Nicolás Nicolás

Funding entity or bodies:

Fertilizantes Naturales, S.A. (FENASA)

City funding entity: Spain

Start date: 02/2010

Duration: 1 year

Total amount: 19.860 €

- 28** **Name of the project:** Optimización de nutrientes y agua a partir de biopreparados comerciales de hongos micorrícicos en cultivos de interés agrícola

Entity where project took place: CEBAS, Murcia (CSIC).

Degree of contribution: Researcher

Entity where project took place: CEBAS, Murcia (CSIC).

Name principal investigator (PI, Co-PI....): Juan José Alarcón Cabañero

Funding entity or bodies:

SYMBORG, S.L.

Start date: 01/01/2010

Duration: 3 years

Total amount: 70.700 €

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** MODELO DE UTILIDAD: DISPOSITIVO DE DEGRADACION MEDIANTE OZONO
Inventors/authors/obtainers: Galera; Galera; Fenoll; Garrido; Romero Trigueros; Nortes; Alarcón; Bastida; Nicolás
Nº of application: ES1256014
Country of inscription: Spain
Conferral date: 27/01/2021
- 2** **Title registered industrial property:** TITLE: Natural iron chelate to correct iron chlorosis. OBJECTIVE: Development of a new natural iron product for fruit and citrus fruits that more efficiently corrects iron chlorosis and increases productivity. HOLDER ENTITY: CSIC (Spain) and TIMAC AGRO S.A. (Roullier Group. France). CURRENT STATE: Product under test in field conditions.
Country of inscription: Spain

Scientific and technological activities

Scientific production

H index: 12

Date of application: 29/11/2021

Publications, scientific and technical documents

- 1** Isohydricity of Two Different Citrus Species under Deficit Irrigation and Reclaimed Water Conditions. Plants. 10 - 2121, MDPI, 2021. Available on-line at: <<https://doi.org/10.3390/plants10102121>>.

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 5
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 2** Cristina Romero Trigueros; Juan José Alarcón Cabañero; Pedro Antonio Nortes Tortosa; Jose María Bayona Gambín; José Francisco Maestre Valero; Emilio Nicolás Nicolás. Mid-long term effects of saline reclaimed water irrigation and regulated deficit irrigation on fruit quality of citrus. Journal of the Science of Food and Agriculture. Early Access: NOV 19, Wiley, 2020. Available on-line at: <DOI: 10.1002/jsfa.10091>.

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 2.422
Position of publication: 9
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: 1
Journal in the top 25%: Yes
No. of journals in the cat.: 57
- 3** Cristina Romero-Trigueros; Gaetano Alessandro Vivaldi; Emilio Nicolás Nicolás; Antonello Paduano; Francisco Pedrero Salcedo; Salvatore Camposeo. Ripening indices, olive yield and oil quality in response to irrigation with saline reclaimed water and deficit strategies. Frontiers in Plant Science. 10 - 1243, Frontiers, 10/2019. Available on-line at: <DOI: 10.3389/fpls.2019.01243>.

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 4.106
Position of publication: 20
Relevant publication: Yes

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: 1
Journal in the top 25%: Yes
No. of journals in the cat.: 228
- 4** Cristina Romero-Trigueros; Jose María Bayona Gambín; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás. Determination of crop water stress index by Infrared Thermometry in Grapefruit Trees Irrigated with Saline Reclaimed Water Combined with Deficit Irrigation. Remote Sensing. 11 - 7, pp. 757. MDPI, 01/04/2019. Available on-line at: <[10.3390/rs11070757](https://doi.org/10.3390/rs11070757)>. ISSN 2072-4292

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 4.118**Position of publication:** 7**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** 1**Journal in the top 25%:** Yes**No. of journals in the cat.:** 30

- 5** Romero Trigueros; Mira García; María Bayona; Nicolás. Estimate stomatal conductance of grapefruit trees by infrared sensing. Precision agriculture. In review, 2022.

Type of production: Scientific paper**Format:** Journal

- 6** Camposeo; Stellacci; Strippoli; Alessandro Vivaldi; Romero Trigueros. Medium-term suitability evaluation of traditional and new olive cultivars grown under super high-density (SHD) cropping systems. Scientia Horticulturae. In review, 2022.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** Yes

- 7** Cristina Romero-Trigueros; Salvatore Camposeo; Giuseppe Lopriori; Gaetano Alessandro Vivaldi. Saline reclaimed water and deficit irrigation strategy affected nutritional traits and leaf chlorophyll in almond trees under Mediterranean conditions. Acta Horticulturae. In review, 2022.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** Yes

- 8** Romero Trigueros; Bayona Gambín; Nortes Tortosa; Nicolás Nicolás. Thermal indicators to assess physiological changes of grapefruit trees irrigated with reclaimed water combined with deficit irrigation. Precision Agriculture. In review, 2022.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** Yes

- 9** J Abadía; Felipe Bastida; Cristina Romero-Trigueros; Jose María Bayona Gambín; A Vera; Carlos García; Juan José Alarcón Cabañero; Emilio Nicolás. Interactions between soil microbial communities and agronomic behavior in a mandarin crop subjected to water deficit and irrigated with reclaimed water. Agricultural Water Management. 247 - 106749, Elsevier, 2021.

Type of production: Scientific paper**Format:** Journal**Corresponding author:** No

- 10** Gaetano Alessandro Vivaldi; Cristina Romero Trigueros; Sara Álvarez Martín; Giuseppe Lopriore; Salvatore Camposeo. Physiological responses of almond trees under regulated deficit irrigation using saline and desalinated reclaimed water. Agricultural Water Management. In review, Elsevier, 2021. ISSN 0098-8472

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Total no. authors:** 5

- 11** Cristina Romero Trigueros; Marta Díaz Lopez; Gaetano Alessandro Vivaldi; Felipe Bastida; Emilio Nicolás. Plant and soil microbial community responses to different water management strategies in an almond crop. Science of the total environment (STOTEN). 778 - 146148, ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS, 2021. Available on-line at: <<https://doi.org/10.1016/j.scitotenv.2021.146148>>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1

**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:** 7.963**Position of publication:** 27**Category:** 1**Journal in the top 25%:** Yes**No. of journals in the cat.:** 251

- 12** Cristina Romero Trigueros; Esther González Duperón; Marta Doval Miñarro; Enrique González Ferradás. The interference of tetrachloromethane in the measurement of benzene in the air by a gas chromatography-photoionisation detector (GC-PID). Atmospheric Measurement Techniques. 12, pp. 1685 - 1695. Copernicus Publications for the European Geosciences Union, 15/03/2019. Available on-line at: <https://editor.copernicus.org/index.php?_mdl=msover_md&_jrl=400&_lcm=oc73lcm74a&_ms=70548&salt=4209759111141589051>. ISSN 1448-2517

DOI: <https://doi.org/10.5194/amt-12-1685-2019>, 2019.**Type of production:** Scientific paper**Position of signature:** 1**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3.248**Category:** 1**Journal in the top 25%:** Yes

- 13** Gaetano Alessandro Vivaldi; Salvatore Camposeo; Giuseppe Lopriore; Cristina Romero-Trigueros; Francisco Pedrero Salcedo. Using saline reclaimed water on almond grown in Mediterranean conditions: deficit irrigation strategies and salinity effects. Water Supply. 19 - 5, pp. 1413 - 1421. IWA, 14/01/2019. Available on-line at: <DOI: <https://iwaponline.com/ws>>.

PMID: <https://doi.org/10.2166/ws.2019.008>**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 0.674**Format:** Journal**Corresponding author:** Yes**Category:** 2

- 14** Felipe Bastida; Irene Torres; Joaquín Abadía; Cristina Romero Trigueros; Antonio Ruiz Navarro; Juan José Alarcón Cabañero; Carlos García Izquierdo; Emilio Nicolás Nicolás. Comparing the impacts of drip irrigation by freshwater and reclaimed wastewater on the soil microbial community of two citrus species. Agricultural Water Management. Accepted, Elsevier, 2018. Available on-line at: <DOI: 10.1016/j.agwat.2018.03.001>.

Type of production: Scientific paper**Position of signature:** 4**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 3.182**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** 1**Journal in the top 25%:** Yes

- 15** Cristina Romero Trigueros; Pedro A. Nortes Tortosa; Margarita Parra; Jose María Bayona Gambín; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás. Effect of reclaimed water and deficit irrigation on grapefruit quality at harvest and cold storage. LWT-Food Science and Technology. 18 - B, pp. 405 - 411. Elsevier, 01/11/2017. Available on-line at: <DOI: 10.1016/j.lwt.2017.05.001>.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** 1

**Impact index in year of publication:** 3.129**Journal in the top 25%:** Yes

- 16** Cristina Romero Trigueros; Marta Doval Miñarro; Esther Gonzalez Duperón; Enrique González Duperón. Influence of sample temperature and environmental humidity on measurements of benzene in ambient air by transportable GC-PID. Atmospheric Measurement Techniques. 10, pp. 4013 - 4022. Copernicus Publications for the European Geosciences Union, 2017. Available on-line at: <DOI: 10.5194/amt-10-4013-2017>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Corresponding author:** No**Impact source:** ISI**Category:** 2**Impact index in year of publication:** 3.248

- 17** Emilio Nicolás Nicolás; Jose Francisco Maestre Valero; Francisco Pedrero Salcedo; Oussama Hussein Mounzer; Pedro Antonio Nortes Tortosa; Cristina Romero Trigueros; Jose María Bayona Gambín; Rosalía Alcobendas Puig; Juan José Alarcón Cabañero. Long-Term effect of irrigation with saline reclaimed water on adult Mandarin trees. Acta Horticulturae. 1150 - 57, pp. 407 - 412. International Society for Horticultural Science, 2017. Available on-line at: <DOI: 10.17660/ActaHortic.2017.1150.57>. ISSN 0567-7572, ISBN 9789462611450

Type of production: Scientific paper**Format:** Journal**Position of signature:** 6**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 9

- 18** Felipe Bastida; Irene Torres; Cristina Romero Trigueros; P Baldrian; T Vetrovský; Jose María Bayona; Juan José Alarcón Cabañero; T Hernández; Carlos García Izquierdo; Emilio Nicolás Nicolás. Combined effects of reduced irrigation and water quality on the soil microbial community of a citrus orchard under semi-arid conditions. Soil Biology & Biochemistry. 104, pp. 226 - 237. Elsevier Editorial System, 2017. Available on-line at: <DOI: 10.1016/j.soilbio.2016.10.024>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 10**Corresponding author:** No**Impact source:** ISI**Category:** 1**Impact index in year of publication:** 3.182**Journal in the top 25%:** Yes**Relevant publication:** No

- 19** Cristina Romero Trigueros; Marta Doval Miñarro; Esther González Duperón; Francisco José Marzal; Enrique González Ferradás. Study of the effect of sample pressure on in situ BTEX chromatograph. Environmental Monitoring and Assessment. 188 - 12, pp. Paper number: 665. Springer International Publishing, 12/11/2016. Available on-line at: <10.1007/s10661-016-5674-8>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 5**Impact source:** ISI**Category:** 3**Impact index in year of publication:** 1.687

- 20** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Johannes E. Hunink; Margarita Parra; Sergio Contreras; Peter Drogers; Emilio Nicolás Nicolás. Effects of saline reclaimed waters and deficit irrigation on Citrus physiology assessed by UAV remote sensing. Agricultural Water Management. 183 - 31, pp. 60 - 69. Elsevier Editorial System, 15/09/2016. Available on-line at: <DOI: 10.1016/j.agwat.2016.09.014>.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 3.182

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: 1

Journal in the top 25%: Yes

- 21** Emilio Nicolás; Juan José Alarcón; Oussama Mounzer; Francisco Pedrero; Pedro Antonio Nortes; Rosalía Alcobendas; Cristina Romero Trigueros; Jose María Bayona; Jose Maestre Valero. Long-term physiological and agronomic responses of mandarin trees to irrigation with saline reclaimed water. *Agricultural Water Management*. 166, pp. 1 - 8. Elsevier Editorial System, 2016. Available on-line at: <DOI: 10.1016/j.agwat.2015.11.017>.

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 2.848

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: 1

Journal in the top 25%: Yes

- 22** Francisco Pedrero; Jose Francisco Maestre Valero; Oussama Mounzer; Pedro Antonio Nortes; Rosalía Alcobendas; Cristina Romero Trigueros; Jose María Bayona Gambín; Juan Jose Alarcón; Emilio Nicolás. Response of young 'Star Ruby' grapefruit trees to regulated deficit irrigation with saline reclaimed water. *Agricultural Water Management*. 158, pp. 51 - 60. Elsevier Editorial System, 08/2015. Available on-line at: <DOI: 10.1016/j.agwat.2015.04.012>.

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 2.603

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: 1

Journal in the top 25%: Yes

- 23** María José Gómez Bellot; Pedro Antonio Nortes Tortosa; María Fernanda Ortuño; Cristina Romero Trigueros; Nieves Fernandez García; Maria Jesus Sanchez Blanco. Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of *Viburnum tinus* L. plants during both saline and recovery periods. *Journal of Plant Physiology*. 188, pp. 96 - 105. 2015. Available on-line at: <DOI: 10.1016/j.jplph.2015.09.007>.

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Impact source: ISI

Impact index in year of publication:

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: 1

Journal in the top 25%: Yes

- 24** Cristina Romero Trigueros; Pedro A. Nortes; Francisco Pedrero; Oussama Mounzer; Juan J. Alarcon; Jose M. Bayona; Emilio Nicolas. Assessment of the viability of using saline reclaimed water in grapefruit in medium to long term. *Spanish Journal of Agricultural Research*. 12 - 4, pp. 1137 - 1148. Instituto Nacional de Investigacion y Tecnología Agraria y Alimentaria (INIA), 12/11/2014. Available on-line at: <DOI: 10.5424/sjar/2014124-5495>.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 7

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

**Impact source:** ISI**Category:** 2**Impact index in year of publication:** 0.811

- 25** Sergio Contreras; Pedro Cutillas; Celina Santoni; Cristina Romero Trigueros; Francisco Pedrero; Juan José Alarcón Cabañero. Effects of reclaimed waters on spectral properties and leaf traits of citrus orchards. Water Environment Research. 86 - 11, pp. 2242 - 2250. Water Environment Federation, 11/11/2014. Available on-line at: <DOI: 10.2175/106143014X14062131178637>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 4**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 6**Corresponding author:** No**Impact source:** ISI**Category:** Q3**Impact index in year of publication:** 0.865

- 26** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Juan José Alarcon Caañero; Emilio Nicolas Nicolás. Determination of 15N stable isotope natural abundances for assessing the use of saline reclaimed water in grapefruit. Environmental Engineering and Management Journal. 13 - 10, pp. 2525 - 2530. Gheorghe Asachi" Technical University of Iasi Romania, 01/10/2014. Available on-line at: <DOI: 10.30638/eemj.2014.282>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Corresponding author:** Yes**Impact source:** ISI**Category:** 3**Impact index in year of publication:** 1.334

- 27** MARTA DOVAL MIÑARRO; ENRIQUE GONZÁLEZ FERRADÁS; CRISTINA ROMERO TRIGUEROS; JONATHAN BARBERÁ RICO. Do pressure changes have an influence on ambient air chemiluminescence NOx measurements?. Atmospheric Environment. 45, pp. 5366 - 5375. Elsevier, 16/06/2011. Available on-line at: <DOI: 10.1016/j.atmosenv.2011.06.048>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Impact source:** ISI**Category:** 1**Impact index in year of publication:** 3.465**Journal in the top 25%:** Yes

- 28** Marta Doval Minarro; Enrique Gonzalez Ferradas; Jonathan Barbera Rico; Fernando Diaz Alonso; Francisco J. Marzal Martinez; Cristina Romero Trigueros. Study of the uncertainty in NO2 chemiluminescence measurements due to the NO-O-3 reaction in sampling lines. Environmental Science and Pollution Research. 18 - 3, pp. 436 - 445. Springer, 01/03/2011. Available on-line at: <DOI: 10.1007/s11356-010-0386-z>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 6**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 6**Impact source:** ISI**Category:** 2**Impact index in year of publication:** 0.883

- 29** Emilio Nicolás; Jose María Bayona; Maria Puerto Sánchez; Cristina Romero-Trigueros. Aplicación de fertilizantes Krysol de Timac Agro en melocotonero extratemprano. Revista de Fruticultura. 71, pp. 2 - 5. Editorial Técnica Quatrebcn, 10/2019. ISSN 2013-5742



Type of production: Popular science article

Position of signature: 4

Total no. authors: 4

Format: Journal

Degree of contribution: Author or co-author of scientific or technical document for the general public

- 30** Emilio Nicolás; Juan José Alarcón; Juan Vera; Wenceslao Conejero; Pedro Antonio Nortes; Cristina Romero-Trigueros; Jose Maria Bayona; Isabel Abrisqueta; Ana Belén Mira-García; María R Conesa; María del Carmen Ruiz-Sánchez. Riego de precisión sostenible en cítricos con aguas de diferente calidad. Agricultura. Mayo, pp. 20 - 24. Editorial Agrícola, 05/2019.

Type of production: Popular science article

Position of signature: 6

Total no. authors: 11

Format: Journal

Degree of contribution: Author or co-author of scientific or technical document for the general public

- 31** Nicolás; Parra; Bayona; Romero Trigueros. Un estudio de CEBAS-CSIC muestra la eficiencia de los productos de Timac AGRO. Vida Rural. 459, pp. 20 - 21. EUMEDIA Agronegocios, 15/02/2019. Available on-line at: <<https://dialnet.unirioja.es/servlet/articulo?codigo=6825545>>. ISSN 1133-8938

Type of production: Popular science article

Position of signature: 4

Total no. authors: 4

Format: Journal

- 32** Nicolás; Bastida; Jose María Bayona; Romero Trigueros. Estudio de la eficiencia de Rhizorg de Timac AGR. Vida Rural. 2019.

Type of production: Popular science article

Format: Journal

- 33** EMILIO NICOLAS NICOLÁS; PEDRO ANTONIO NORTES TORTOSA; JOSE MARÍA BAYONA GAMBÍN; CRISTINA ROMERO TRIGUEROS; JUAN JOSÉ ALARCÓN CABAÑERO. Gestión sostenible del agua regenerada en el manejo del fertirriego de cultivos frutales de una comunidad de regantes. Revista Fruticultura. 69, pp. 38 - 49. Editorial Técnica Quatrebcn (<http://www.quatrebcn.es>), 2019. Available on-line at: <<https://dialnet.unirioja.es/servlet/articulo?codigo=6957739>>. ISSN 2013-5742

Type of production: Popular science article

Position of signature: 4

Total no. authors: 5

Format: Journal

- 34** Emilio Nicolás Nicolás; Jose María Bayona Gambín; Cristina Romero-Trigueros. Estudio agronómico y fisiológico de potenciadores biológicos del suelo en el cultivo de la lechuga. Vida Rural. 454, pp. 20 - 22. EUMEDIA Agronegocios, 15/10/2018. ISSN 1133-8938

Type of production: Popular science article

Position of signature: 3

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

- 35** Emilio Nicolás Nicolás; Cristina Romero-Trigueros; Jose María Bayona Gambín; A Quiñones; D Redondo; A Díaz; S Del Río; J Val. Efecto bioestimulante de diferentes productos en melocotonero. Vida Rural. 448, pp. 40 - 43. EUMEDIA Agronegocios, 01/06/2018. ISSN 1133-8938

Type of production: Popular science article

Position of signature: 2

Total no. authors: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

- 36** EMILIO NICOLÁS NICOLÁS; MARGARITA PARRA; CRISTINA ROMERO TRIGUEROS; JOSE MARÍA BAYONA GAMBÍN; ROSALÍA ALCOBENDAS; R BAIGORRI; S SAN FRANCISCO. Evaluación de aplicación de Supractyl en pimiento bajo invernadero. Fruticultura Interempresas. Interempresas, 10/10/2017. Available on-line at: <<https://www.interempresas.net/Horticola/Articulos/196725-Evaluacion-de-aplicacion-de-Supractyl-en-pimiento-bajo-invernadero.html>>.
- Type of production:** Popular science article
Position of signature: 3
Total no. authors: 6
Format: Journal
Degree of contribution: Author or co-author of scientific or technical document for the general public
- 37** Emilio Nicolás Nicolás; Margarita Parra; Jose María Bayona Gambín; Cristina Romero Trigueros; R Baigorri; S San Francisco. Evaluación de aplicación de Supractyl en tomate bajo invernadero. Agrícola Vergel. Fruticultura y Horticultura. 402, pp. 199 - 204. Ediciones y Promociones L.A.V., S.L., 01/06/2017. ISSN 0211-2728
- Legal deposit:** V-2869-1981
Type of production: Popular science article
Position of signature: 4
Total no. authors: 6
Relevant publication: No
Format: Journal
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: No
- 38** Francisco Pedrero Salcedo; Juan Jose Alarcón Cabañero; Jose Francisco Maestre Valero; Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Oussama Mounzer; Jose María Bayona; Emilio Nicolás Nicolás. Estrategias de Riego Deficitario Controlado con aguas regeneradas salinas bajo clima semiárido en cítricos. Fruticultura Interempresas. 318, pp. 42 - 45. Interempresas, 01/06/2015. Available on-line at: <(http://www.interempresas.net/Fruticultura/Articulos/139129-Estrategias-Riego-Deficitario-Controlado-aguas-regeneradas-salinas-bajo-clima-semiarido.html)>.
- Type of production:** Popular science article
Position of signature: 4
Total no. authors: 7
Format: Scientific and technical document or report
- 39** Cristina Romero Trigueros; Emilio Nicolás Nicolás. Respuesta fisiológica de los cítricos a la utilización de agua regenerada salina y al déficit hídrico. Vida Rural. 402, pp. 26 - 32. Eumedia, 2015. Available on-line at: <<https://dialnet.unirioja.es/servlet/articulo?codigo=5213710>>. ISSN 1133-8938
- Type of production:** Popular science article
Position of signature: 1
Total no. authors: 2
Format: Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee
Corresponding author: Yes
- 40** Cristina Romero-Trigueros; Emilio Nicolás; Juan José Alarcón; Gerd Dercon. Role of isotopic techniques in sustainable non-conventional water resources and cropping system management. Springer. In review, Springer Nature, 2022.
- Type of production:** Book chapter
Position of signature: 1
Total no. authors: 4
Degree of contribution: Author or co-author of chapter in book
Corresponding author: Yes
- 41** Emilio Nicolás Nicolas; Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Francisco Pedrero Salcedo; Jose María Bayona Gambín; Jose F. Maestre Valero; Juan José Alarcón Cabañero. Long-term physiological and agronomic responses of citrus irrigated with saline reclaimed water. Water Scarcity and Sustainable Agriculture in Semiarid Environment: Tools, Strategies and Challenges for Woody Crops. 586 pp. pp. 131 - 147. Elsevier, 2017. ISBN 978-0-12-813164-0
- Type of production:** Book chapter
Position of signature: 2
Format: Book



Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 7

Relevant publication: No

- 42** CRISTINA ROMERO TRIGUEROS; MARTA DOVAL MIÑARRO; ENRIQUE GONZÁLEZ FERRADÁS. Measuring of benzene in ambient air. Laboratory tests requerided by Standard UNE EN 14662-3:2006. Editorial Académica Española. Editorial Académica Española, 2012. ISBN 978-3-8473-6346-0

Type of production: Scientific book or monograph

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of entire book

Total no. authors: 3

Corresponding author: Yes

- 43** CRISTINA ROMERO TRIGUEROS; ENRIQUE GONZÁLEZ FERRADÁS. Ozone in ambient air. Requirements required by the latest european legislation to measure of ozone by UV photometry. Editorial Académica Española. EDITORIAL ACADÉMICA ESPAÑOLA, 2012. ISBN 978-3-8484-6454-8

Type of production: Scientific book or monograph

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of entire book

Total no. authors: 2

Corresponding author: Yes

- 44** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Margarita Parra; Jose María Bayona Gambín; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás. Assessment of fruit quality of grapefruit at postharvest influenced by reclaimed water and deficit irrigation. Proceedings of the 6th Workshop on Agri-Food research: WiA.17. Editing, pp. 209 pages. (Spain): Universidad Politécnica de Cartagena. CRAI, Biblioteca, 2018. Available on-line at: <URI: <http://hdl.handle.net/10317/6706>>. ISBN 978-84-16325-64-1

Type of production: Scientific manuscripts presented in the 6th Workshop

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 6

Corresponding author: Yes

Relevant publication: No

- 45** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás. Does reclaimed water influence nitrogen and water use efficiency and the structural constituents of grapefruit trees?. Proceedings of the 5th Workshop on Agri-food Research: WiA.16. pp. 223 pages. Universidad Politécnica de Cartagena. CRAI Biblioteca, 2017. Available on-line at: <URI: <http://hdl.handle.net/10317/5558>>. ISBN 978-84-16325-29-0

Type of production: Scientific manuscripts presented in the 5th Workshop

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 4

Corresponding author: Yes

Relevant publication: No

- 46** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Emilio Nicolás Nicolás. Protocols for feasibility study of using saline reclaimed water combined with deficit irrigation strategies in citrus. Proceedings of the 4th Workshop on Agri-food Research: WiA.15. pp. 270 pages. Universidad Politécnica de Cartagena, CRAI Biblioteca, 2016. Available on-line at: <<http://repositorio.upct.es/handle/10317/5290>>. ISBN 978-84-608-5399-2

Type of production: Scientific manuscripts presented in the 4th Workshop

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 3

Corresponding author: Yes

- 47** Rosalía Alcobendas Puig; Margarita Parra; Jose María Bayona; Felix Fernández; Cristina Romero Trigueros; Emilio Nicolás; Juan José Alarcón Cabañero. Efecto de la inoculación con *Glomus iranicum* var. *tenuihypharum* sobre la respuesta fisiológica y agronómica de plantas de pimiento cultivadas en fibra de coco. Actas de horticultura del XIV Congreso Nacional de Ciencias Hortícolas. SECH 2015. Retos de la Nueva Agricultura Mediterránea. pp. 252 - 257. María Serrano; Daniel Valero, 01/05/2015. ISBN 978-84-606-8547-0
Type of production: Acta de horticultura **Format:** Book
Position of signature: 5
Total no. authors: 7
- 48** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Jose Francisco Maestre Valero; Emilio Nicolás Nicolás; Juan José Alarcón Cabañero. Efectos de la utilización de agua regenerada salina y el déficit hídrico sobre la respuesta fisiológica de pomelo y mandarino. Actas de horticultura del XIV Congreso Nacional de Ciencias Hortícolas. SECH 2015. Retos de la Nueva Agricultura Mediterránea. pp. 271 - 276. María Serrano; Daniel Valero, 01/05/2015. ISBN 978-84-606-8547-0
Type of production: Acta de horticultura **Format:** Book
Position of signature: 1
Total no. authors: 5 **Corresponding author:** Yes
- 49** Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Emilio Nicolás Nicolás; Juan José Alarcón Cabañero. Acid abscisic and hydraulic conductance responses of two different citrus trees under abiotic stresses. Current Research in Plant Physiology. pp. 907. C. Fenoll, C. Escobar, M. Martín, M. Mena, 2015. Available on-line at: <<http://www.sefv.es/wp-content/uploads/2018/06/LIBRO-ABSTRACT-2015.pdf>>. ISBN 978-84-606-8883-9
Type of production: Book of Abstracts **Format:** Book
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4 **Corresponding author:** Yes
- 50** Maria José Gómez Bellot; Pedro Antonio Nortes Tortosa; Martíá Fernánda Ortuño; Cristina Romero Trigueros; Nieves Fernández García; María Jesús Sánchez Blanco. Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of *Viburnum Tinus* L. plants. Current Research in Plant Physiology. C. Fenoll, C. Escobar, M. Martín, M. Mena, 2015. Available on-line at: <<http://www.sefv.es/wp-content/uploads/2018/06/LIBRO-ABSTRACT-2015.pdf>>. ISBN 978-84-606-8883-9
Type of production: Book of Abstracts **Format:** Book
Position of signature: 4 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6 **Corresponding author:** No
- 51** Cristina Romero Trigueros; Marta Doval Miñarro; Jonathan Barberá Rico; Enrique González Ferradás. Ensayos de laboratorio requeridos por la norma UNE EN 14625:2005 para los instrumentos de medida de ozono en aire ambiente. Fundación Conama. 2010. Available on-line at: <<http://www.conama10.conama.org/conama10/download/files/CT%202010/41029.pdf>>. ISBN 978-84-614-6112-7
Type of production: Technical communication **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4 **Corresponding author:** Yes
- 52** Sara Ondoño Tovar; Cristina Romero Trigueros; Enrique Gonzalez Ferradás. Diseño de una instalación de atmósferas patrón para certificar analizadores de emisiones gaseosas contaminantes. Fundación Conama. 2010. ISBN 978-84-614-6112-7
Type of production: Technical communication in CONAMA **Format:** Scientific and technical document or report
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 3**Relevant publication:** No**Corresponding author:** No

Works submitted to national or international conferences

- 1** **Title of the work:** Thermal imaging to assess physiological changes of grapefruit trees irrigated with reclaimed water combined with deficit irrigation
Name of the conference: XXXVIII National Congress of Irrigation
Geographical area: National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 03/11/2021
End date: 05/11/2021
Organising entity: Asociación Española de riegos y drenajes (AERYD). UPCT
Type of contribution: Scientific paper
Romero-Trigueros; Jose María Bayona Gambín; Parra; Nortes Tortosa; Emilio Nicolás Nicolás.
- 2** **Title of the work:** Comparison between thermal imaging and infrared thermometry to assess the physiological effects of water and saline stress in grapefruit
Name of the conference: XVI National Congress of Horticultural Sciences
Geographical area: National
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Córdoba, Andalusia, Spain
Date of event: 17/10/2021
End date: 22/10/2021
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH)
Type of contribution: Scientific paper
Cristina Romero-Trigueros; José María Bayona Gambín; Pedro Antonio Nortes Tortosa; Beatriz Lorente Pagán; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás.
- 3** **Title of the work:** Changes on hormonal balance and its precursors of mandarin trees irrigated by saline reclaimed water and regulated deficit irrigation
Name of the conference: XXIII Meeting of the Spanish Society of Plant Physiology/XVI Spanish Portuguese Congress of Plant Physiology
Corresponding author: Yes
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: Spanish Society of Plant Physiology
Cristina Romero-Trigueros; Iván López González; Raúl Domínguez Prendes; M^a Puerto Sánchez Iglesias; Jose María Bayona Gambín; Ángel Gil Izquierdo; Emilio Nicolás Nicolás. "Poster presentation: Cristina Romero-Trigueros".
- 4** **Title of the work:** Physiological changes of mandarin trees irrigated with saline reclaimed water combined with deficit irrigation detected by multispectral images
Name of the conference: IX International Symposium on Irrigation of Horticultural Crops
Type of event: Conference
Corresponding author: Yes
City of event: Matera, Basilicata, Italy

Date of event: 17/06/2019

End date: 20/06/2019

Organising entity: International Society for Horticultural Science (ISHS)

Cristina Romero-Trigueros; José María Bayona Gambín; Ana Belén Mira García; Adriana Ottaviano; Gaetano Alessandro Vivaldi; Pedro A. Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolas Nicolas. "Poster presentation: Cristina Romero-Trigueros".

- 5 Title of the work:** Saline reclaimed water and deficit irrigation strategy affected ecophysiological traits in almond trees under Mediterranean conditions

Name of the conference: IX International Symposium on Irrigation of Horticultural Crops

Type of event: Conference

Corresponding author: Yes

City of event: Matera, Basilicata, Italy

Date of event: 17/06/2019

End date: 20/06/2019

Organising entity: International Society for Horticultural Science (ISHS)

Cristina Romero-Trigueros; Salvatore Camposeo; Giuseppe Lopriore; Francisco Pedrero Salcedo; Emilio Nicolas Nicolas; Gaetano Alessandro Vivaldi. "Oral presentation: Cristina Romero-Trigueros".

- 6 Title of the work:** Effect of salty reclaimed water and deficit irrigation on some agronomical and physiological parameters of olive trees in Mediterranean conditions.

Name of the conference: 6º International Conference on the Olive Trees and olive products. Olive management, biotechnology and authenticity of Olive products.

Type of event: Conference

Geographical area: Non EU International

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 15/10/2018

End date: 19/10/2018

Organising entity: Instituto de Recursos Naturales y Agrobiología and the Instituto de la Grasa. CSIC

City organizing entity: Sevilla, Andalusia, Spain

Gaetano Alessandro Vivaldi; Salvatore Camposeo; Emilio Nicolás Nicolás; Antonello Paduano; Cristina Romero Trigueros; Giuseppe Lopriore; Francisco Pedrero Salcedo. "Proceedings of Olivebioteq 2018 – Olive Management, Biotechnology and Authenticity of Olive Products".

- 7 Title of the work:** Influence of saline reclaimed water on the mandarin postharvest

Name of the conference: IWA REGIONAL CONFERENCE OF WATER REUSE AND SALINITY MANAGEMENT (IWARESA)

Type of event: Conference

Geographical area: Non EU International

Corresponding author: Yes

City of event: Murcia, Region of Murcia, Spain

Date of event: 11/06/2018

End date: 15/06/2018

Organising entity: Centro de Edafología y Biología Aplicada del Segura. The International Water Association (IWA)

City organizing entity: Murcia, Region of Murcia, Spain

Cristina Romero Trigueros; Jose María Bayona Gambín; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás.

- 8 Title of the work:** Long term ¹⁵N stable isotope study for assessing the use of saline reclaimed water in mandarin trees

Name of the conference: IWA REGIONAL CONFERENCE OF WATER REUSE AND SALINITY MANAGEMENT (IWARESA)

Type of event: Conference

Geographical area: Non EU International

Corresponding author: Yes

City of event: Murcia, Region of Murcia, Spain

Date of event: 11/06/2018

End date: 15/06/2018

Organising entity: Centro de Edafología y Biología Aplicada del Segura. The International Water Association (IWA)

City organizing entity: MURCIA, Region of Murcia, Spain

Cristina Romero Tirgueros; Jose María Bayona Gambín; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás.

- 9 Title of the work:** Assessment of physiological changes of mandarin trees irrigated with saline reclaimed water combined with deficit irrigation by multispectral images

Name of the conference: III Simposio Nacional de Ingeniería Hortícola. Uso de Drones y Satélites en Agricultura

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Lugo, Galicia, Spain

Date of event: 21/02/2018

End date: 23/02/2018

Organising entity: Sección de Ingeniería Hortícola de la Sociedad Española de Ciencias Hortícolas y Universidad de Santiago de Compostela – Campus Terra

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Cristina Romero Trigueros; Jose María Bayona Gambín; Pedro Márquez; Pedro Antonio Nortes Tortosa; Juan José Alarcón Cabañero; Emilio Nicolás Nicolás. En: Symposium. 2018.

- 10 Title of the work:** 15N stable isotope for assessing the use of saline reclaimed water and deficit irrigation strategies in mandarin trees

Name of the conference: XV Spanish Portuguese Congress of Plant Physiology. XXII Reunión de la Sociedad Española de Fisiología Vegetal.

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 26/06/2017

End date: 29/06/2017

Organising entity: Sociedad Española de Fisiología Vegetal

City organizing entity: Spain

With external admission assessment committee: Yes

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JOSE MARÍA BAYONA GAMBÍN; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.

- 11 Title of the work:** Preliminary assessment to determine water use efficiency in mandarin trees using stable isotopes

Name of the conference: XV Spanish Portuguese Congress of Plant Physiology. XXII Reunión de la Sociedad Española de Fisiología Vegetal. edad Española de Fisiología Vegetal

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain



Date of event: 26/06/2017

End date: 29/06/2017

Organising entity: Sociedad Española de Fisiología Vegetal

With external admission assessment committee: Yes

Type of contribution: Scientific paper

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JOSE MARÍA BAYONA GAMBÍN; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.

- 12 Title of the work:** Assessment of fruit quality of grapefruit at postharvest influenced by reclaimed water and deficit irrigation

Name of the conference: 6º Workshop en Investigación Agroalimentaria WiA2017

Type of event: Workshop

Geographical area: Regional

Corresponding author: Yes

City of event: CARTAGENA, Region of Murcia, Spain

Date of event: 08/05/2017

End date: 09/05/2017

Organising entity: Programa de doctorado en Técnicas Avanzadas en Investigación y Desarrollo Agrario y Alimentario (TAIDA) de la UPCT

City organizing entity: CARTAGENA, Region of Murcia, Spain

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; MARGARITA PARRA; JOSE MARÍA GAMBIN BAYONA; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS. "CRAI Biblioteca, Universidad Politécnica de Cartagena, Murcia, España.". ISBN 978-84-16325-29-0

- 13 Title of the work:** Leaf hydraulic conductivity in grapefruit and mandarin

Name of the conference: II Jornadas Doctorales de la Universidad de Murcia

Type of event: Doctoral Journeys

Geographical area: Regional

Corresponding author: Yes

City of event: MURCIA, Region of Murcia, Spain

Date of event: 31/05/2016

End date: 02/06/2016

Organising entity: Escuela Internacional de Doctorado de la Universidad de Murcia

City organizing entity: MURCIA, Region of Murcia, Spain

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JOSE MARÍA BAYONA GAMBÍN; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.

- 14 Title of the work:** Does reclaimed water influence nitrogen and water use efficiency and the structural constituents of grapefruit trees?

Name of the conference: 5º Workshop de Investigación Agroalimentaria WiA 2016

Type of event: Workshop

Geographical area: Regional

Corresponding author: Yes

City of event: CARTAGENA, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

Organising entity: Programa de doctorado en Técnicas Avanzadas en Investigación y Desarrollo Agrario y Alimentario (TAIDA) de la UPCT

Type of entity: University

City organizing entity: CARTAGENA, Region of Murcia, Spain

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.

- 15** **Title of the work:** Influence of saline reclaimed water on the grapefruit postharvest quality
Name of the conference: 2nd Euro-Mediterranean Symposium on Fruit and Vegetable Processing
Corresponding author: Yes
City of event: Avignon, Provence-Alpes-Côte d'Azur, France
Date of event: 04/04/2016
End date: 06/04/2016
Organising entity: National Institute for Agricultural Research (INRA) and the University of Avignon, co-organisers : CTCPA and Optifel with support from Effost, Terralia and Agropolis.
Type of entity: Public Research Body
City organizing entity: Avignon, Provence-Alpes-Côte d'Azur, France
MARGARITA PARRA; CRISTINA ROMERO TRIGUEROS; JOSE MARÍA BAYONA GAMBÍN; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.
- 16** **Title of the work:** 15N Stable isotope natural abundance for assessing nitrogen use efficiency using saline reclaimed water in grapefruit
Name of the conference: II Simposio Nacional de Ingeniería Hortícola. Automatización y TIC en Agricultura.
Type of event: Symposium
Geographical area: National
Corresponding author: Yes
City of event: ALMERÍA, Andalusia, Spain
Date of event: 10/02/2016
End date: 12/02/2016
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH) and Univertisy of Almería
CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JUAN JOSÉ ALARCÓN CABAÑERO; EMILIO NICOLÁS NICOLÁS.
- 17** **Title of the work:** Spectral and physiological responses of Citrus irrigated with saline reclaimed water combined with deficit irrigation strategies
Name of the conference: II Simposio Nacional de Ingeniería Hortícola. Automatización y TIC en Agricultura.
Type of event: Symposium
Geographical area: National
Corresponding author: Yes
City of event: Almería, Andalusia, Spain
Date of event: 10/02/2016
End date: 12/02/2016
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH) and University of Almería
CRISTINA ROMERO TRIGUEROS; JOHANNES E. HUNIK; MARGARITA PARRA; SERGIO CONTRERAS; EMILIO NICOLÁS NICOLÁS.
- 18** **Title of the work:** Acid abscisic and hydraulic conductance responses of two different citrus trees under abiotic stresses
Name of the conference: XIV Congreso Hispano-Luso de Fisiología Vegetal
Type of event: Conference
Geographical area: Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: TOLEDO, Castile-La Mancha, Spain
Date of event: 14/06/2015
End date: 17/06/2015
Organising entity: Sociedad Española de Fisiología Vegetal
Publication in conference proceedings: Yes
Type of contribution: Scientific paper



Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Emilio Nicolás; Juan José Alarcón. ISBN 978846068883-9

- 19 Title of the work:** Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of *Viburnum tinus* L. plants
Name of the conference: XIV Congreso Hispano-Luso de Fisiología Vegetal
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Toledo, Castile-La Mancha, Spain
Date of event: 14/06/2015
End date: 17/06/2015
Organising entity: Sociedad Española de Fisiología Vegetal
Type of contribution: Scientific paper
María Fernanda Ortuño; Pedro Antonio Nortes Tortosa; María José Gómez Bellot; Cristina Romero Trigueros; Nieves Fernández García; María Jesús Sanchez Blanco. ISBN 9788460688839
- 20 Title of the work:** Effect of long-term irrigation with saline reclaimed water on adult mandarin trees
Name of the conference: VIII International Symposium on Irrigation of Horticultural Crops
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Lleida, Catalonia, Spain
Date of event: 08/06/2015
End date: 11/06/2015
Organising entity: International Society for Horticultural Science
Type of contribution: Scientific paper
Emilio Nicolás; Jose Francisco Maestre Valero; Francisco Pedrero; Oussama Mounzer; Pedro Antonio Nortes; Cristina Romero Trigueros; Jose María Bayona; Rosalía Alcobendas; Juan José Alarcón.
- 21 Title of the work:** Efecto de la inoculación con HMA sobre la respuesta fisiológica y agronómica de plantas de pimiento cultivadas en fibra de coco
Name of the conference: Congreso Nacional de Ciencias Hortícolas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: ORIHUELA, Valencian Community, Spain
Date of event: 03/06/2015
End date: 05/06/2015
Organising entity: Sociedad Española de Ciencias Hortícolas
Type of contribution: Scientific paper
Rosalía Alcobendas; Margarita Parra; Jose María Bayona; Felix Fernández; Cristina Romero Trigueros; Emilio Nicolás Nicolás; Juan José Alarcón. ISBN 9788460682806
- 22 Title of the work:** Efectos de la utilización de agua regenerada salina y el déficit hídrico sobre la respuesta fisiológica de pomelo y mandarino
Name of the conference: Congreso Nacional de Ciencias Hortícolas
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Orihuela, Valencian Community, Spain
Date of event: 03/06/2015

End date: 05/06/2015

Organising entity: Sociedad Española de Ciencias Hortícolas

Publication in conference proceedings: Yes

Type of contribution: Scientific paper

Cristina Romero Trigueros; Pedro Antonio Nortes Tortosa; Emilio Nicolás Nicolás; Juan José Alarcón Cabañero. "Comunicación Oral". ISBN 9788460682806

- 23 Title of the work:** Protocols for feasibility study of using saline reclaimed water combined with deficit irrigation strategies in citrus

Name of the conference: 4º Workshop on Agri-food Research-WiA.15

Type of event: Workshop

Geographical area: Regional

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 11/05/2015

End date: 12/05/2015

Organising entity: Programa de doctorado en Técnicas Avanzadas en Investigación y Desarrollo Agrario y Alimentario (TAIDA) de la UPCT

City organizing entity: CARTAGENA, Region of Murcia, Spain

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; EMILIO NICOLAS NICOLÁS. "Proceedings of the 4th Workshop on agri-food research. URL: <http://hdl.handle.net/10317/5290> ISBN: 978-84-608-5399-2".

- 24 Title of the work:** Use of isotope discrimination techniques for assessing nitrogen use efficiency and sustainability of grapefruit crops in medium-long term

Name of the conference: Energy and Environment knowledge week

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: TOLEDO, Castile-La Mancha, Spain

Date of event: 20/11/2013

End date: 22/11/2013

Organising entity: Campus Científico y Tecnológico de la Energía y el Medioambiente (CYTEMA)

City organizing entity: Castile-La Mancha, Spain

With external admission assessment committee: Yes

Type of contribution: Popular science article

CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES; JUAN JOSÉ ALARCÓN; EMILIO NICOLAS NICOLAS.

- 25 Title of the work:** Evaluation of UNE-EN 14662-3:2006 for measuring benzene in ambient air. Proposed modifications.

Name of the conference: MED-SOUK: I Congreso Internacional Campus Mare Nostrum de Jóvenes Investigadores en el Mediterráneo

Type of event: Conference

Geographical area: Non EU International

Corresponding author: Yes

City of event: MURCIA, Region of Murcia, Spain

Date of event: 23/10/2013

End date: 25/10/2013

Organising entity: Campus de Excelencia Internacional Mare Nostrum

City organizing entity: MURCIA, Region of Murcia, Spain

CRISTINA ROMERO TRIGUEROS; ENRIQUE GONZÁLEZ FERRADÁS. "Evaluation of UNE-EN 14662-3:2006 for measuring benzene in ambient air. Proposed modifications."



- 26** **Title of the work:** Efecto de la utilización de aguas regeneradas sobre la eficiencia en el uso del agua y nitrógeno y de los constituyentes estructurales en plantas de pomelo
Name of the conference: XXXI Congreso Nacional de Riegos
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Orihuela, Valencian Community, Spain
Date of event: 18/06/2013
End date: 20/06/2013
Organising entity: Asociación Española de riegos y drenajes AERYD. Comité Nacional Español de riegos y drenajes CERYD. Universidad Miguel Hernández
City organizing entity: ORIHUELA, Valencian Community, Spain
With external admission assessment committee: Yes
Type of contribution: Scientific paper
CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES; OUSSAMA MOUNZER; JOSE MARÍA BAYONA; JUAN JOSE ALARCÓN; EMILIO NICOLÁS NICOLÁS.
- 27** **Title of the work:** Análisis de la eficiencia del uso del agua y del nitrógeno mediante la utilización de técnicas de discriminación isotópica en pomelo. Resultados preliminares.
Name of the conference: XI Simposio Hispano-Portugués de relaciones hídricas en las plantas
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 17/09/2012
End date: 20/09/2012
Organising entity: Sociedad Española de Fisiología Vegetal. Instituto de Recursos Naturales y Agrobiología de Sevilla (IRNAS-CSIC)
City organizing entity: Sevilla, Andalusia, Spain
With external admission assessment committee: Yes
Type of contribution: Scientific paper
CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; JUAN JOSÉ ALARCÓN CABAÑERO; JOSE IGNACIO QUEREJETA; EMILIO NICOLAS NICOLAS.
- 28** **Title of the work:** Feasibility study of reclaimed water use and deficit irrigation in citrus crops
Name of the conference: Resouk 2012
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Different countries of the Euro-Mediterranean region,
Date of event: 17/04/2012
End date: 18/04/2012
Organising entity: Emuni University. Campus Mare **Type of entity:** University
Nostrom. The Hashemite University
With external admission assessment committee: Yes
Type of contribution: Scientific paper
CRISTINA ROMERO TRIGUEROS; PEDRO ANTONIO NORTES TORTOSA; EMILIO NICOLÁS NICOLÁS.

- 29** **Title of the work:** Evaluación de la Norma UNE EN 14625:2005 para la medida de ozono en aire ambiente
Name of the conference: I Jornadas de Inicio a la Investigación de Estudiantes de la Facultad de Biología
Type of event: Jornadas **Geographical area:** Regional
Type of participation: 'Participatory - poster **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Murcia, Region of Murcia, Spain
Date of event: 16/05/2011
End date: 16/05/2011
Organising entity: Fundación Empresa. University of Murcia
Publication in conference proceedings: No **With external admission assessment committee:** Yes
Type of contribution: Scientific paper
Cristina Romero Trigueros; Marta Doval Miñarro; Enrique González Ferradás; Jonathan Rico Barberá.
- 30** **Title of the work:** Ensayos de laboratorio requeridos por la Norma UNE EN 14662-3:2006 para la medida de benceno en aire ambiente
Name of the conference: I Jornadas de Inicio a la Investigación de Estudiantes de la Facultad de Biología
Geographical area: Regional
Corresponding author: Yes
City of event: Murcia, Region of Murcia, Spain
Date of event: 16/05/2011
End date: 16/05/2011
Organising entity: Universidad de Murcia **Type of entity:** University
Cristina Romero Trigueros; Enrique González Ferradás; Marta Doval Miñarro.
- 31** **Title of the work:** Diseño de una instalación de atmósferas patrón para certificar analizadores de emisiones gaseosas contaminantes
Name of the conference: X Congreso Nacional de Medio Ambiente
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Madrid, Community of Madrid, Spain
Date of event: 22/11/2010
End date: 26/11/2010
Organising entity: Fundación CONAMA
City organizing entity: Madrid, Community of Madrid, Spain
With external admission assessment committee: Yes
Type of contribution: Scientific paper
SARA ONDOÑO TOVAR; CRISTINA ROMERO TRIGUEROS; MARTA DOVAL MIÑARRO; ENRIQUE GONZÁLEZ FERRADÁS.
- 32** **Title of the work:** Ensayos de laboratorio requeridos por la Norma UNE EN 14625:2005 para los instrumentos de medida de ozono en aire ambiente
Name of the conference: X Congreso Nacional de Medio Ambiente
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 22/11/2010
End date: 26/11/2010
Organising entity: Fundación CONAMA



City organizing entity: Madrid, Community of Madrid, Spain

With external admission assessment committee: Yes

Type of contribution: Scientific paper

CRISTINA ROMERO TRIGUEROS; MARTA DOVAL MIÑARRO; SARA ONDOÑO TOVAR; ENRIQUE GONZÁLEZ FERRADÁS.

Other dissemination activities

1 Title of the work: Speaker: Agro-ecophysiological indicators of the water and nutritional states of Citrus irrigated with reclaimed water and deficit irrigation. Sustainability Assessment

Name of the event: Dissemination conference of the project AGL2016-77282-C3-3-R: 'Use of deficit irrigation with water of different quality in fruit trees. Use of sensors and evaluation of the quality and production of crops'

Type of event: Conferences given

Reasons for participation: Representing

City of event: Cartagena, Spain

Date of event: 04/12/2019

Organising entity: Universidad Politécnica de Cartagena

Type of entity: University

2 Title of the work: Scientific dissemination activities about crop irrigation

Name of the event: XVII Semana de la Ciencia y la Tecnología

Type of event: Scientific dissemination activities

Geographical area: Regional

Reasons for participation: Representing

City of event: MURCIA, Region of Murcia, Spain

Date of event: 11/11/2016

Organising entity: Consejería de de Empleo, Universidades, Empresa y Medio Ambiente

City organizing entity: Murcia, Region of Murcia, Spain

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1 Committee title: Member of the Doctoral Thesis tribunal (Secretary). Doctoral student: Marta Díaz López

Affiliation entity: Universidad de Murcia.

Type of entity: University

CEBAS-CSIC

Start date: 12/11/2021

2 Committee title: Member of the Scientific Committee at the 3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI). 2021.

Geographical area: Non EU International

Affiliation entity: Springer Nature

Organization of R&D activities

- 1** **Title of the activity:** Conferencia de Prensa Proyecto NUCIF – Sala del Consejo del Rector – Bari
Type of activity: Conferencia de Prensa Proyecto NUCIF – Sala del Consejo del Rector – Bari
Geographical area: Non EU International
Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
City convening entity: BARI, Puglia, Italy
Type of participation: Organiser
Start-End date: 08/10/2018 - 12/10/2018
- 2** **Title of the activity:** Study visit to agroindustrial Fiordelisi company.
Type of activity: Technical activity: Study visit
Geographical area: Non EU International
Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
City convening entity: BARI, Calabria, Italy
Type of participation: Organiser
Start-End date: 08/10/2018 - 12/10/2018
- 3** **Title of the activity:** Study visit to experimental farm "Pantanelli" in Policoro
Type of activity: Technical activity: Study visit
Geographical area: Non EU International
City of event: BARI BA, Puglia, Italy
Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
Type of participation: Organiser
Nº assistants: 30
Start-End date: 08/10/2018 - 12/10/2018
- 4** **Title of the activity:** Study visit to the Chamber of Commerce of Bari - Punto Empresa Digital
Type of activity: Technical activity: Study visit
Geographical area: Non EU International
Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
Type of entity: University
City convening entity: BARI BA, Italy
Type of participation: Organiser
Start-End date: 08/10/2018 - 12/10/2018
- 5** **Title of the activity:** Study visit to the Clementine Citrus Apireno Corigliano Calabro Museum
Type of activity: Technical activity: Study visit
City of event: Calabria, Calabria, Italy
Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF). Erasmus+ Program of the European Union
Type of participation: Organiser
Nº assistants: 30
Start-End date: 08/10/2018 - 12/10/2018
- 6** **Title of the activity:** Study visit: Companies DEMAIS, Latricchia and Di Leo
Type of activity: Technical activity: Study visit
Geographical area: Non EU International
City of event: BARI BA, Italy



Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF).
Erasmus+ Program of the European Union

City convening entity: BARI BA, Italy

Type of participation: Organiser

Nº assistants: 30

Start-End date: 08/10/2018 - 12/10/2018

7 Title of the activity: Study visit: UNIBA y UNIFG – “Desert Water Works Project”

Type of activity: Technical activity: study visit

City of event: BARI BA, Puglia, Italy

Convening entity: Network de Universidades para el conocimiento y integración de fronteras (NUCIF).
Erasmus+ Program of the European Union

Type of participation: Organiser and professor

Nº assistants: 30

Start-End date: 08/10/2018 - 12/10/2018

R&D management

1 Name of the activity: Partner of Sociedad Española de Fisiología Vegetal (SEFV). Nº partner: 1375

Entity: Sociedad Española de Fisiología Vegetal

Start date: 2019

2 Name of the activity: Partner of the Federation of European Societies of Plant Biology. Nº partner: 1375

Entity: Federation of European Societies of Plant Biology

Start date: 2019

3 Name of the activity: Editorial board member

Type of management: Editorial activity

Entity: Water and Human Systems section in Frontiers in Water

Evaluation and revision of R&D projects and articles

1 Name of the activity: Guest editor

Performed tasks: Guest editor of Water Journal in a special issue

Entity where activity was carried out: Water Journal

Start-End date: 01/09/2019 - 01/09/2020

2 Name of the activity: Editorial Board

Entity where activity was carried out: Global Journal of Agriculture and Soil Science (GJAS). Springfield Publisher

City of entity: Irvine, California, United States of America

Start date: 01/01/2020

3 Name of the activity: Evaluator of research articles in international journals of JCR

Performed tasks: Review of articles in scientific or technological journals

Entity where activity was carried out: Agronomy



- 4** **Name of the activity:** Participate in the peer review process in different scientific journals indexed as a reviewer
Performed tasks: Review of articles in scientific or technological journals
Entity where activity was carried out: Irrigation Science
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 5** **Name of the activity:** Participate in the peer review process in different scientific journals indexed as a reviewer
Performed tasks: Review of articles in scientific or technological journals
Entity where activity was carried out: Remote Sensing
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 6** **Name of the activity:** Participate in the peer review process in different scientific journals indexed as a reviewer
Performed tasks: Review of articles in scientific or technological journals
Entity where activity was carried out: Revista Ambiente&Agua
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
- 7** **Name of the activity:** Participate in the peer review process in different scientific journals indexed as a reviewer
Performed tasks: Review of articles in scientific or technological journals
Entity where activity was carried out: Agricultural Water Management
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University of Bari Aldo Moro **Type of entity:** University
Faculty, institute or centre: Dipartimento di Scienze Agro Ambientali e Territoriali (DiSAAT)
City of entity: Bari, Puglia, Italy
Start-End date: 01/03/2018 - 28/02/2020 **Duration:** 2 years
Goals of the stay: Post-doctoral
- 2** **Entity:** Institut National de la Recherche Agronomique (INRA).
City of entity: Avignon, Provence-Alpes-Côte d'Azur, France
Start-End date: 01/07/2016 - 01/08/2016 **Duration:** 1 month
Funding entity: Universidad de Murcia **Type of entity:** University
Goals of the stay: Post-doctoral
Provable tasks: Acquisition of ecophysiological data and fruit growth for modeling based on biophysical processes.
- 3** **Entity:** International Atomic Energy Agency (IAEA)
Faculty, institute or centre: Division mixta FAO/IAEA
City of entity: Viena, Austria



Primary (UNESCO code): 251100 - Soil Science; 310100 - Agricultural chemistry; 310300 - Agronomy

Secondary (UNESCO code): 239100 - Environmental Chemistry; 332001 - Isotope applications

Start-End date: 10/08/2014 - 08/11/2014

Duration: 3 months

Funding entity: Consejo Superior de Investigaciones Científicas

Type of entity: State agency

City funding entity: Spain

Goals of the stay: Doctorate

Provable tasks: Training in techniques of isotopic discrimination

- 4** **Entity:** Instituto de Recursos Naturales y Agrobiología de Sevilla **Type of entity:** State agency
City of entity: SEVILLA, Andalusia, Spain
Start-End date: 04/03/2013 - 18/03/2013 **Duration:** 15 days
Funding entity: Centro de Edafología y Biología Aplicada del Segura **Type of entity:** State agency
City funding entity: MURCIA, Region of Murcia, Spain
Goals of the stay: Doctorate
Provable tasks: Hydraulic Conductivity at leaf level

Obtained grants and scholarships

- 1** **Name of the grant:** Postdoctoral Training and Development Fellowship
City awarding entity: MURCIA, Region of Murcia, Spain
Aims: Post-doctoral
Awarding entity: Fundación Séneca. Agencia de Ciencia y Tecnología de la Región de Murcia **Type of entity:** Innovation and Technology Centres
Amount of the grant: 62.400 €
Conferral date: 01/04/2018 **Duration:** 2 years
End date: 01/04/2020
Entity where activity was carried out: Department of Agricultural and Environmental Science
Faculty, institute or centre: Universidad de Bari Aldo Moro, Italia
- 2** **Name of the grant:** Jae Pre Fellowship
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 01/12/2011 **Duration:** 4 years
End date: 30/11/2015
Entity where activity was carried out: Centro de Edafología y Biología Aplicada del Segura
- 3** **Name of the grant:** Aid to Facilitate the Mobility of Researchers
City awarding entity: Spain
Aims: Mobility
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Amount of the grant: 2.750 €
Conferral date: 11/08/2014 **Duration:** 3 months
End date: 08/11/2014
Entity where activity was carried out: International Atomic Energy Agency (IAEA)



- 4** **Name of the grant:** Collaboration Grant for Research, funded by project
City awarding entity: MURCIA, Region of Murcia, Spain
Aims: Pre-doctoral
Awarding entity: Universidad de Murcia **Type of entity:** University
Amount of the grant: 26.000 €
Conferral date: 05/2010 **Duration:** 1 year - 8 months
End date: 30/11/2011
Entity where activity was carried out: Grupo de Investigación de Seguridad e Higiene en la Industria.
Departamento de Ingeniería Química
- 5** **Name of the grant:** Research Initiation Scholarship
City awarding entity: Murcia, Region of Murcia, Spain
Aims: Start to research
Awarding entity: Universidad de Murcia. Vicerrectorado de investigación
Conferral date: 09/2011 **Duration:** 3 months
End date: 12/2009
Entity where activity was carried out: Grupo de Investigación de Seguridad e Higiene en la Industria.
Departamento de Ingeniería Química
Faculty, institute or centre: Facultad de Química
- 6** **Name of the grant:** Beca de Colaboración de estudiantes en departamentos universitarios
City awarding entity: MURCIA, Region of Murcia, Spain
Aims: Research work
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Amount of the grant: 3.000 €
Conferral date: 11/2008 **Duration:** 9 months
End date: 06/2009
Entity where activity was carried out: Grupo de Investigación de Seguridad e Higiene en la Industria.
Departamento de Ingeniería Química
Faculty, institute or centre: Facultad de Química
- 7** **Name of the grant:** Ayudas para la Formación del Profesorado Universitario (FPU). Rechazada.
Aims: Pre-doctoral
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 2010
Entity where activity was carried out: Grupo de Investigación de Seguridad e Higiene en la Industria.
Departamento de Ingeniería Química. Facultad de Química.
- 8** **Name of the grant:** Aid to Master
Aims: Ayuda al estudio de Master oficiales orientados a la obtención del grado de doctor
Awarding entity: FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA
Amount of the grant: 2.000 €
Conferral date: 09/2009

Prizes, mentions and distinctions

- 1** **Description:** Doctorate Extraordinary award
Awarding entity: Universidad Politécnica de Cartagena
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 27/11/2018
Recognition linked: https://www.upct.es/estudios/doctorado/documentos/20181129_propuesta_de_concesion_de_premios_de_doctorado_f_6176.pdf
Type of entity: University
- 2** **Description:** Member as a predoctoral and postdoctoral researcher hired from the Group of Scientific Excellence of the Region of Murcia.
Awarding entity: FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA
Conferral date: 01/01/2016
- 3** **Description:** Mention of excellence. Prize to the best work in the Precision Agriculture thematic group of the II National Symposium of Horticultural Engineering
Awarding entity: Sociedad Española de Ciencias Hortícolas (SECH) and University of Almería
Conferral date: 2016
- 4** **Description:** Award for the best communication of poster presentation in the section "Horticultura" in XIV Congreso Nacional de Ciencias Hortícolas.
Awarding entity: Sociedad Española de Ciencias Hortícolas (SECH)
City awarding entity: Orihuela, Valencian Community, Spain
Conferral date: 2015

Obtained accreditations/recognitions

- 1** **Description:** Mention of Quality for the figure of "Assistant Professor Doctor" (Profesor Ayudante Doctor, PAD) (Positive evaluation) ()
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Spain
Date of recognition: 16/04/2020
- 2** **Description:** Mention of Quality for the figure of "Contracted Professor Doctor" (pending evaluation)
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Spain
Date of recognition: 16/04/2020
- 3** **Description:** Mention of Quality for the figure of "Private University Professor" (Positive evaluation)
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
City accrediting entity: Spain
Date of recognition: 16/04/2020