



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia**

Scientist- in - charge: Prof. Provolo_

[Judith Cano-Ruiz]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Cano Ruiz
Name	Judith
Date of birth	[19th, June, 1988]

PRESENT OCCUPATION

Appointment	Structure
Teacher	UNIR International University of la Rioja

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biology	Universidad Autonoma de Madrid	2011
PhD	Science	Universidad Alcalá de	2019
Master	Biodiversity	Universidad Autonoma de Madrid	2012
Master	Teaching	Universidad Autonoma de Madrid	2013



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
2011	Union of Biologists of Madrid	Madrid
2016	Spanish Soil society	Madrid

FOREIGN LANGUAGES

Languages	level of knowledge
English	B2
Italian	B2
Spanish	native

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2015-2018	Predoctoral contract in IMIDRA Madrileñan Institute of rural development and agronomomy (INIA financiación). PhD development. Field and greenhouse assays, sampling, laboratory analysis, in vitro culture, statistics, writing
2016	Three minutes thesis Award. Universidad de Alcalá and universidad Rey Juan Carlos
2011-2012	Scholarship in Universidad Autonoma de Madrid. Assistant. Botanical material preparation. Vegetable sampling, SEM microscopy preparation,
2010-2011	Scholarship in Universidad Autonoma de Madrid. Assistant. Botanical material preparation. SEM microscopy preparation, optical microscopy, Kariotipes.

TRAINING OR RESEARCH ACTIVITY

My research activity has been focused in agronomy and energy crops. I have tested the effect of agronomical management in plants, its production, its chemical characteristics, and its conversion processes. Also I studied the effect of this agronomical management in soil properties.

PROJECT ACTIVITY

Year	Project
2013-2016	Project I.N.I.A. RTA12-082-C2-2 "Producción autosostenible de biocombustibles sólidos en explotación agrícola modelo a partir del cultivo de especies no agroalimentarias de reciente interés energético y la valoración energética de subproductos de cereales-grano".
2013-2015	Project IMIDRA. nº FP13-ENER "Mantenimiento e implantación de nuevas plantaciones energéticas: puesta a punto de especies forestales y perennes herbáceas".
2016-2018	Project IMIDRA. nº FP16-ENERG "Plantaciones energéticas en la Comunidad de Madrid, mantenimiento e implantación: puesta a punto de especies forestales y perennes herbáceas. Ensayo de variedades. Ensayos de riego y fertilización".



CONGRESSES AND SEMINARS

Date	Title	Place
2019	RENS2019	Sevilla, Spain
2018	Jornadas de jóvenes investigadores Universidad de Alcalá	Alcalá de Henares, Spain
2018	Cultivos agroenergéticos: cultivos agrícolas y forestales, con posibilidades energéticas	Alcalá de Henares, Spain
2018	EUBCE2018	Copenhagen, Denmark
2017	SECIVTV 2017	Madrid, Spain
2016	EUBCE2016.	Amsterdam, Netherlands
2016	Energía sostenible. cultivos agroenergéticos: agrícolas y forestales con posibilidades energéticas.	Alcalá de Henares, Spain
2016	Avances en cultivos con potencial para la bioeconomía'	Alcalá de Henares, Spain
2015	RENS 2015	Granada, Spain
2015	COST Action	Lisbon (Portugal) and Madrid (Spain)

PUBLICATIONS

Book chapter
Caña común (<i>Arundo donax</i> L.) para producción de energía. In Séptimas Jornadas de Jóvenes Investigadores de la Universidad de Alcalá. Alcalá de Henares, Spain. Publication Service. Universidad de Alcalá, 2019

Articles
Fertigation of <i>Arundo donax</i> L. with different nitrogen rates for biomass production. <i>Biomass and Bioenergy</i> . 133:105415. UK. Elsevier. 2020
Effect of water regime change in a mature <i>Arundo donax</i> crop under a Xeric Mediterranean climate <i>Biomass and Bioenergy</i> . 115: 203-209. UK. Elsevier. 2018
The ability of the <i>Arundo</i> crop to compete with weeds in central Spain over two growing cycles. <i>Industrial Crops & Products</i> 108: 86-94. Netherlands. Elsevier. 2017
Production of Single-cell oils from Lignocellulosic Biomass from <i>Arundo donax</i> L. <i>Chemical Engineering transactions AIDIC</i> . Italy. 57: 1861-1866.
Epidermal micromorphology of the genus <i>Festuca</i> L. subgenus <i>Festuca</i> (Poaceae). <i>Plant Systematics and Evolution</i> . 299: 1471-1483. Australia. Springer. 2013
<i>Borderea pirenaica</i> . <i>Asturnatura</i> . 343, Spain. 2012.
<i>Halimium halimifolium</i> <i>Asturnatura</i> . 356, Spain 2012
<i>Hypocoum imberbe</i> <i>Asturnatura</i> . 379, Spain 2012.
<i>Pellia endiviifolia</i> . <i>Asturnatura</i> . 360, Spain 2012.
<i>Platycapnos spicata</i> <i>Asturnatura</i> . 366, Spain 2012.



Politrychum juniperinum Asturnatura. 347, Spain 2012.
Stipa tenacissima Asturnatura. 392, Spain 2012.
Congress proceedings
La aplicación de compost reduce las necesidades hídricas de Arundo donax. RENS2019, Poster. Sevilla, Spain. 2019
Avances en producción y manejo de cultivos agroenergéticos en la Comunidad de Madrid. CONAMA 2018, Poster. Madrid, Spain 2018.
Effect of water depth and stem density in sprouting and rooting of the energy crop Arundo donax L. propagation by stalks. The Sixth International Symposium on Environmental Biotechnology and Engineering. Poster. Sonora, Mexico, 2018
El reto de la innovación en materias primas para biocombustibles sólidos a través de la red de colaboración IMIDRA-UPM. IV Congreso Nacional de Ingenieros Agrónomos. Oral presentation. Cordova Spain. 2018
Comparación de métodos de propogación sexual y vegetativa en la productividad para el cultivo energético de Olmo Siberiano. IX Congreso de mejora Genética de plantas. Poster. Murcia, Spain. 2018
Jóvenes Científicos: Ciencia para todos Contada por entusiastas Investigadores. IV Reunión Nacional Docencia y Difusión de la Microbiología. Poster. Madrid, Spain, 2018
Effect in Arundo donax L. Biomass yield of different forms of vegetative propagation. EUBCE2018. Poster. Copenhagen, Denmark. 2018
Yield reduction from weed competition in a mature crop of giant reed . EUBCE2018. Poster. Copenhagen, Denmark. 2018
Evaluation of Arundo donax tolerance to Cr, Cd, Ni or Pb in an in vitro culture assay. XII Reunión de la Sociedad Española de Cultivo In Vitro de Tejidos Vegetales. Poster. Madrid, Spain. 2017
From irrigated to rainfed agriculture in a mediterranean environment: The shift in biomass yield of the Arundo crop over the seasons. EUBCE2017. Oral presentation. Stockholm (Sweden), 2017
Absorption and distribution of metals in Arundo plants grown in soil amended with treated sewage sludges. EUROSIL 2016. Poster. Istambul, Turkey. 2016
Response of barley and wheat plants to Cadmium contamination in soil EUROSIL 2016. Poster. Istambul, Turkey. 2016
Efecto de un lodo de depuradora compostado como enmienda para la producción de Arundo donax L, con fines agroenergéticos. Poster. REC2016. Sevilla. Spain. 2016
Production and heating value of Arundo donax L. under different soil management. EUBCE 2016. Poster Amsterdam, Netherlands. 2016
Effect of nitrogen fertigation on the yield of Arundo donax L. grown in central Spain. EUBCE 2016. Poster Amsterdam, Netherlands. 2016
Efecto de la materia orgánica procedente de dos tipos de lodos residuales tratados en la producción de Arundo donax L. RENS 2015. Poster. Granada, Spain
Effect of treated sewage sludge on the mineral nutrition and production of Arundo donax L. EUBCE 2015. Poster. Vienna, Austria. 2015
Alternative methods for the implementation of Arundo crop in Central area of Spain. EUBCE 2015. Poster. Vienna, Austria. 2015
A new community of Sarcocornia for the Iberian Semiarid areas. XXIII Jornadas internacionales de fitosociología. Oral presentation. Toledo, Spain. 2012



Studies on the Brachypodium populations from Sierra Bermeja (Málaga, Spain). XXIII Jornadas internacionales de fitosociología. Oral presentation. Toledo, Spain. 2012

OTHER INFORMATION: Courses

Food safety. september 2019. Viceconsejería de Medio Ambiente del Gobierno de Canaria. 10 hours
Big data in agrifood sector. July2019. Universidad Autónoma de Madrid. 24 hours
Tasting of thirty-three Spanish wines. Aspectos teórico práctico. July 2019. Universidad de Alcalá. 15 hours
Agricultural and livestock farms advisors. Ministerio de Agricultura, pesca y alimentación. Dirección general de desarrollo rural, innovación y política forestal. 16 October-8 November 2018 On line. 25 hours
Wastewater purification. Gobierno de Canarias. Vicenconsejería de medio ambiente. February 2018 20 h
Introduction to the carbon footprint. Universidad Politécnica de Madrid. February-March 2018. On line. 15 hours
Greenhouses and hydroponics. (IMIDRA) 9-20 october 2017. 36 hours
Agronomic design of localized irrigation. Universidad politécnica de Madrid. Abril-mayo 2017. 30 hours
Biobased Economy Introduction a course of study. Avans University of Applied Sciences and HZ University of Applied Sciences 2-09-2016 to 06-11-2016. 2 european credits
Soil degradation and recovery processes CIEMAT 5-9 october 2015 28 hours
Theory and practice in the Design and Ecological Management of Agricultural Systems. IMIDRA 28 septiembre-2 october 2015 20 hours
Experimental design and data analysis. IMIDRA October 2015. 30hours

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: _Madrid, 07 January 2020

SIGNATURE