IDENTIFYING INFORMATION:

NAME: Sanz-Saez, Alvaro

ORCID iD: https://orcid.org/0000-0002-7754-4618

POSITION TITLE: Associate Professor

PRIMARY ORGANIZATION AND LOCATION: Auburn University, Auburn, Alabama, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Missouri, Columbia, Missouri, USA	OTH	08/2018	Postdoctoral Researcher in Crop Physiology
University of the Basque country, Vitoria, Basque Country, Spain	OTH	12/2015	Postdoctoral Fellow Plant Biology
University of Illinois, Urbana, Illinois, USA	OTH	12/2014	Postdoctoral Fellow
University of Barcelona, Barcelona , Catalunya, Spain	OTH	12/2012	Postdoctoral Researcher Plant Biology
University Navarra, Pamplona, Navarra, Spain	PHD	11/2011	Plant Biology and Environmental Science
University of Navarra, Pamplona, Navarra, Spain	BS	06/2007	Biology
University of Navarra, Pamplona, Navarra, Spain	BS	06/2007	Biochemistry

Appointments and Positions

2024 - present Associate Professor, Auburn University, Auburn, Alabama, United States
2018 - 2024 Assistant Professor, Auburn University, Auburn, AL, United States

Products

Products Most Closely Related to the Proposed Project

1. Sanz-Sáez Á, Heath KD, Burke PV, Ainsworth EA. Inoculation with an enhanced N2 -fixing Bradyrhizobium japonicum strain (USDA110) does not alter soybean (Glycine max Merr.) response to elevated [CO2]. Plant Cell Environ. 2015 Dec;38(12):2589-602. PubMed PMID: 26012898.
2. Sanz-Sáez Á, Erice G, Aguirreolea J, Irigoyen J, Sánchez-Díaz M. Alfalfa yield under elevated CO2 and temperature depends on the Sinorhizobium strain and growth season. Environmental and Experimental Botany. 2012; 77:267-273. Available from: https://linkinghub.elsevier.com/retrieve/pii/S009884721100298X DOI: 10.1016/j.envexpbot.2011.11.017
3. Sanz-Saez A, Pérez-López U, del-Canto A, Ortiz-Barredo A, Mena-Petite A, Aranjuelo I, Muñoz-Rueda A, Lacuesta M. Changes in environmental CO2 concentration can modify

Rhizobium-soybean specificity and condition plant fitness and productivity. Environmental and Experimental Botany. 2019 June; 162:133-143. Available from: https://linkinghub.elsevier.com/retrieve/pii/S009884721831596X DOI: 10.1016/j.envexpbot.2019.01.013

4. Bhandari R, Saez A, Leisner C, Potnis N. Biotic and abiotic stress distinctly drive the phyllosphere microbial community structure. [Preprint]. 2022 October 15. DOI: 10.1101/2022.10.14.512112
5. Pacheco da Silva ML, Moen FS, Liles MR, Feng Y, Sanz-Saez A. The Response to Inoculation with PGPR Plus Orange Peel Amendment on Soybean Is Cultivar and Environment Dependent. Plants (Basel). 2022 Apr 22;11(9) PubMed Central PMCID: PMC9104577.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Sanz-Sáez Á, Koester RP, Rosenthal DM, Montes CM, Ort DR, Ainsworth EA. Leaf and canopy scale drivers of genotypic variation in soybean response to elevated carbon dioxide concentration. Glob Chang Biol. 2017 Sep;23(9):3908-3920. PubMed PMID: 28267246.
2. Sanz-Saez A, Morales F, Arrese-Igor C, Aranjuelo I. P Deficiency: A Major Limiting Factor for Rhizobial Symbiosis. In: Sulieman S, Tran L, editors. Legume Nitrogen Fixation in Soils with Low Phosphorus Availability [Internet] Cham: Springer International Publishing; 2017. Chapter Chapter 221-39p. Available from: http://link.springer.com/10.1007/978-3-319-55729-8_2 DOI: 10.1007/978-3-319-55729-8_2
3. Sanz-Sáez Á, Erice G, Aguirreolea J, Muñoz F, Sánchez-Díaz M, Irigoyen JJ. Alfalfa forage digestibility, quality and yield under future climate change scenarios vary with Sinorhizobium meliloti strain. J Plant Physiol. 2012 May 15;169(8):782-8. PubMed PMID: 22369772.
4. Buezo J, Sanz-Saez Á, Moran JF, Soba D, Aranjuelo I, Esteban R. Drought tolerance response of high-yielding soybean varieties to mild drought: physiological and photochemical adjustments. Physiol Plant. 2019 May;166(1):88-104. PubMed PMID: 30381841.

Synergistic Activities

1. Advising: I am currently advising 3 PhD and 1 MS students and I have graduated 4 Master and 1 PhD Student in the last 4 years.
2. Panel Service: Panel reviewer of USDA-NIFA 1890 Capacity Building Grants, 2022. Panel reviewer of USDA-NIFA predoctoral grants, 2024.
3. Editorial Member: Associate Editor of Crop Science (2023-Present).
4. Professional: Chair of the Crop Physiology & Metabolism Section of the Crop Science Society of America, 2022.

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Sanz-Saez, Alvaro in SciENcv on 2024-07-24 16:07:51