
CURRICULUM VITAE

Personal Data

Full name: Iñigo Saiz Fernández
Birth place and date: Vitoria-Gasteiz, 30th March 1985
Nationality: Spanish
Status: Single



Institutional addresses: Phytophthora Research Centre
Department of Molecular Biology and Radiobiology
Faculty of Agronomy
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Websites: [Web of Science \(ResearcherID L-8255-2014\)](#)
[ORCID \(0000-0002-5907-1300\)](#)
[ResearchGate Profile](#)
[Scopus \(Author ID 55950001300\)](#)
[Google Scholar Profile](#)

Academic Qualifications

2014 - Ph.D. in Plant Physiology, University of the Basque Country, Vitoria-Gasteiz

2011 - MSc in Environmental Agrobiology, University of the Basque Country, Vitoria-Gasteiz

2008 - BSc in Environmental Sciences, University of the Basque Country, Vitoria-Gasteiz

Previous and Current Scientific and Professional Activities

Since 01/2017 PostDoc, Phytophthora Research Centre, Mendel University in Brno, Czech Republic

Since 02/2015 PostDoc, Laboratory of Molecular Biology and Radiobiology, Mendel University in Brno, Czech Republic

01/2011 – 12/2012 Researcher, Department of Vegetal Biology and Ecology, University of the Basque Country, Vitoria-Gasteiz, Spain.

Professional Memberships, Societies and International Networks/Working Units

Member of the Spanish Society of Plant Physiology (SEFV).

General scientific expertise

Proteomics and metabolomics (GC-MS and LC-MS).

Confocal microscopy.

Plant physiology.

- Assessment of photosynthetic parameters (gas exchange; chlorophyll fluorescence; chl, sugar and starch quantification).
- Quantification of in vitro enzymatic activities (NR, NiR, GS, PEPC, MDH...).
- Evaluation of plant hydric status (RWC, transpiration, water potential, hydraulic conductivity).

In vitro, *ex vitro* and field culture.

- Standard growth assays (root and shoot growth, gravitropism, leaf area series, cell elongation...).
- Split-root systems and other heterogeneous growth conditions.
- Handling of GMOs.
- Design and coordination of field-based agronomical studies.

Current research interests

Plant-pathogen interactions in woody plants – Omics approach

Variations in Phytophthora metabolome across different clades and developmental stages.

Potential biological activities of Phytophthora extracts.

Differences in plant response to sub-zero temperatures with and without freezing.

Effect of growth regulating substances on hypocotyl elongation and cytoskeletal organization.

Role of cytokinins on plant response against drought and temperature stresses.

Language skills: (Elementary, advanced, excellent)

	Reading	Writing	Conversation
English	Excellent	Excellent	Excellent
Spanish	Excellent	Excellent	Excellent
Basque	Excellent	Excellent	Excellent
Czech	Elementary	Elementary	-

Seminars and Lectures

Training of scientists

03/2015: Seminar in the effect of high N supply on plant growth, metabolism and physiology for PhD students, Postdoctoral Fellows, Senior Research Fellows and Professors at the Department of Molecular Biology and Radiobiology of the Mendel University, Brno, Czech Republic.

10/2015: Seminar in techniques for the establishment of split/root systems in small plants for PhD students, Postdoctoral Fellows, Senior Research Fellows and Professors at the Department of Molecular Biology and Radiobiology of the Mendel University, Brno, Czech Republic.

Research and Professional Services

Participation in R&D projects and cooperation

Since 01/2017: CZ.02.1.01/0.0/0.0/15_003/0000453 Phytophthora Research Centre, Supported by the European Regional Development Fund.

2015-2016: CZ.1.05/1.1.00/02.0068 Developmental and Production Biology – Omics Approaches Central European Institute of Technology (CEITEC).

2010-2013: INIA-MEC. RTA2010-00041-CO2-02 Energetic and agronomic assesment of several bioenergetic crops (Valoración energética y agronómica de diversos cultivos energéticos), funded by INIA and the Spanish Ministry of Education and Science (MEC).

2009-2010: SUM2006-00007-CO2-01 Control and physiological tracing of the growth of several grasses used as potential CO₂ sink and bioenergetical crops. Determination of the major physiological processes that control the productivity and the quality of the biomass (Control y seguimiento fisiológico del crecimiento de las especies herbáceas usadas como potenciales sumideros de CO₂ y cultivos

bioenergéticos. Determinación de los principales procesos fisiológicos que controlan la productividad y calidad de biomasa), funded by the National Institute for Food and Agrarian Technology and Research (INIA).

Scientific research in foreign countries

2014 – Czech Republic. Analysis of phytohormone levels on maize treated with high levels of nitrogen. Palacký University Olomouc.

2009 – United Kingdom. Study of the effect of nitrogen supply on cell expansion and division. Lancaster Environmental Centre.

Symposia and Congress Sessions Convened or Chaired

Chair at the Plant Developmental and Production Biology under Global Climate Change conference, Brno, Czech Republic, September 2019.

Member of the Local Scientific Committee of The 44th Conference of the European Society for New Methods in Agriculture Research, Brno, Czech Republic, September 2015.

Organizer of the XIII Simposio Ibérico de Nutrición Mineral de las Plantas, Donostia-San Sebastián, Spain, September 2010.

Referee for Journals

- Applied Sciences
- Biomolecules
- Forests
- International Journal of Molecular Sciences
- Journal of Plant Growth Regulation
- Journal of Soil Science and Plant Nutrition
- Molecules
- Plants
- Plant Physiology and Biochemistry
- Plos One

Publications

Peer reviewed journal articles

Publications, citations, *h* Index, and *i10* index updated on 06/10/2021.

172 total citations in WoS *h* Index = 7 *i10* Index = 6

177 total citations in Scopus *h* Index = 7 *i10* Index = 6

233 total citations in Google Scholar *h* Index = 7 *i10* Index = 6

(* First author, † Corresponding author)

1. Novák J.*, Černý M.*, Roignant J.*, Skalák J., **Saiz-Fernández, I.**, Luklová M., Skaláková P., Ondrisková V., Novák O., Pěňčík A., Tarkowská D., Kameniarová M., Karady M., Vankova R., Brzobohatý B†. 2021. Limited light intensity and low temperature: Can plants survive freezing in light conditions that more accurately replicate the cold season in temperate regions? ***Environmental and Experimental Botany***. 190, 104581.
<https://doi.org/10.1016/j.envexpbot.2021.104581> WoS citations: 0 Scopus citations: 0
2. **Saiz-Fernández I.*†**, Černý M., Skalák J., Brzobohatý B. 2021. Split-root systems: detailed methodology, alternative applications, and implications at leaf proteome level. ***Plant Methods***. 17, 7.
[DOI: 10.1186/s13007-020-00706-1](https://doi.org/10.1186/s13007-020-00706-1) WoS citations: 3 Scopus citations: 3
3. Berka M.*, Greplová M., **Saiz-Fernández I.**, Novák J., Luklová M., Zelená P., Tomšovský M., Brzobohatý B., Černý M†. 2020. Peptide-Based Identification of Phytophthora Isolates and Phytophthora Detection in Planta. ***Int. J. Mol. Sci.*** 21, 9463.
[DOI: 10.3390/ijms21249463](https://doi.org/10.3390/ijms21249463) WoS citations: 0 Scopus citations: 0
4. **Saiz-Fernández I.***, Milenković I., Berka M., Černý M., Tomšovský M., Brzobohatý B., Kerchev P†. Integrated Proteomic and Metabolomic Profiling of Phytophthora cinnamomi Attack on Sweet Chestnut (Castanea sativa) Reveals Distinct Molecular Reprogramming Proximal to the Infection Site and Away from It. 2020. ***Int. J. Mol. Sci.*** 21, 8525.
[DOI: 10.3390/ijms21228525](https://doi.org/10.3390/ijms21228525) WoS citations: 5 Scopus citations: 5
5. Berka M.*; Luklová M., Dufková H., Malých V., Novák J., **Saiz-Fernández I.**, Rashotte A.M., Brzobohatý B., Černý M†. 2020. Barley root proteome and metabolome in response to cytokinin and abiotic stimuli. ***Front. Plant Sci.*** 11, 1647.
[DOI: 10.3389/fpls.2020.590337](https://doi.org/10.3389/fpls.2020.590337) WoS citations: 4 Scopus citations: 4
6. **Saiz-Fernández I.***, Lacuesta M.*†, Pérez-López U., Carmen Sampedro M., Barrio R.J., De Diego N†. 2020. Interplay between 1-aminocyclopropane-1-carboxylic acid, γ-aminobutyrate and D-glucose in the regulation of high nitrate-induced root growth inhibition in maize. ***Plant Science***. 293, 110418.
[DOI: 10.1016/j.plantsci.2020.110418](https://doi.org/10.1016/j.plantsci.2020.110418) WoS citations: 1 Scopus citations: 1
7. Skalák J.*, Vercruyssen L., Claeys H., Hradilová J., Černý M., Novák O., Plačková L., **Saiz-Fernández I.**, Skaláková P., Coppens F., Dhondt S., Koukalová S., Zouhar J., Inzé D., and

Brzobohatý B.[†] 2019. Multifaceted activity of cytokinin in leaf development shapes its size and structure in Arabidopsis. **The Plant Journal**. 97, 805-824.

[DOI: 10.1111/tpj.14285](https://doi.org/10.1111/tpj.14285)

WoS citations: 26

Scopus citations: 27

8. Lacuesta M.*, **Saiz-Fernández I.***, Podlešáková K.*, Miranda-Apodaca J., Novák O., Doležal K., De Diego N.[†] 2018. The *trans* and *cis* zeatin isomers play different roles in regulating growth inhibition induced by high nitrate concentrations in maize. **Plant Growth Regulation**. 85, 199-209.

[DOI: 10.1007/s10725-018-0383-7](https://doi.org/10.1007/s10725-018-0383-7)

WoS citations: 8

Scopus citations: 7

9. **Saiz-Fernández I.[†]**, De Diego N., Brzobohatý B., Muñoz-Rueda A. and Lacuesta M. 2017. The imbalance between C and N metabolism during high nitrate supply inhibits photosynthesis and overall growth in maize (*Zea mays* L.). **Plant Physiology and Biochemistry**. 120, 213-222.

[DOI: 10.1016/j.plaphy.2017.10.006](https://doi.org/10.1016/j.plaphy.2017.10.006)

WoS citations: 13

Scopus citations: 13

10. Johnová P.*, Skalák J.*, **Saiz-Fernández I.[†]** and Brzobohatý B. 2016. Plant responses to ambient temperature fluctuations and water-limiting conditions: A proteome-wide perspective. **Biochimica et Biophysica Acta - Proteins and Proteomics**. 1864, 916-931.

[DOI: 10.1016/j.bbapap.2016.02.007](https://doi.org/10.1016/j.bbapap.2016.02.007)

WoS citations: 25

Scopus citations: 23

11. De Diego N.[†], **Saiz-Fernández I.**, Rodríguez J.L., Pérez-Alfocea P., Sampedro M.C., Barrio R.J., Lacuesta M. and Moncaleán P. 2015. Metabolites and hormones mediate intraspecific variability of drought acclimation in radiata pine. **Journal of Plant Physiology**. 188, 64-71.

[DOI: 10.1016/j.jplph.2015.08.006](https://doi.org/10.1016/j.jplph.2015.08.006)

WoS citations: 28

Scopus citations: 32

12. **Saiz-Fernández I.***, De Diego N., Mena-Petite A., Ortiz-Barredo A., Lacuesta M.[†] 2015. High nitrate supply reduces growth in maize, from cell to whole plant. **Journal of Plant Physiology**. 173, 120-129.

[DOI: 10.1016/j.jplph.2014.06.018](https://doi.org/10.1016/j.jplph.2014.06.018)

WoS citations: 21

Scopus citations: 25

13. De Diego N.*, Sampedro M.C., Barrio R.J., **Saiz-Fernández I.**, Moncaleán P. and Lacuesta M.[†] 2013. Solute accumulation and elastic modulus changes in six radiata pine breeds exposed to drought. **Tree Physiology**. 33, 69-80.

[DOI: 10.1093/treephys/tps125](https://doi.org/10.1093/treephys/tps125)

WoS citations: 38

Scopus citations: 37

Dissertations

1. **Saiz-Fernández I.** 2014. Influencia del aporte de NO₃⁻ en la fisiología y crecimiento de maíz (*Zea mays* L.). Influence of NO₃⁻ on physiology and growth of maize (*Zea mays* L.). *Ph.D. Thesis*. University of the Basque Country (UPV/EHU) and Public University of Navarre (UPNA).

Not peer reviewed publications

1. Resollo J. B., **Saiz-Fernández I.**, Mena-Petite A., Muñoz-Rueda A., Ortiz-Barredo A., Lacuesta M. 2011. Varietal evaluation and fertilization influence in the production of biomass in C4 plants (maize and sorghum). **Tierras de Castilla y León. Agricultura (España)**. 180, 58-61.

Papers in conference proceedings

1. Cerny M., Berka M., Brzobohatý B., **Saiz-Fernández I.**, Tomšovský M. and Zelena P. 2018. Barley response to Phytophthora from a proteomics perspective. In: FEBS open bio. 8, 101-102.

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2. Habánová H.; **Saiz-Fernández I.** 2016. Seed Storage Proteins in Four Contrasting Plant Species. In: MendelNet 2016: Proceedings of International PhD Students Conference. 1. vyd. Brno: Mendelova univerzita v Brně. 978-982. ISBN 978-80-7509-443-8.
 3. **Saiz-Fernández I.**, Aguirre-Igartua E.; Vicente-Martin S.; Mena-Petite A., Muñoz-Rueda A., Resollo J. B., Ortiz-Barredo A., Lacuesta M. 2010. Influencia del aporte nitrogenado e hídrico en el desarrollo de un cultivo bioenergético de *Sorghum bicolor*. In: Aspectos fisiológicos, agronómicos y ambientales en la nutrición mineral de las plantas. 149-154. ISBN: 978-84-614-3065-9.

Communications

Oral communications in conferences

1. Saiz-Fernández I., De Diego D., Barrio R.J., Sampedro M.C., Perez-Lopez U., Mena-Petite A., Brzobohatý B., Muñoz-Rueda A., and Lacuesta M. The role of GABA as mediator in the metabolic response of maize roots to high nitrate. // XIII Reunión nacional del metabolismo del nitrógeno, Villanueva de la Serena, Spain, **2016**.
2. Saiz-Fernández I. and Brzobohatý B. Split-root systems: A tale of two roots. // Growth regulators on the way, Malá Morávka, Czech Republic, **2016**.
3. Saiz-Fernández I., Lacuesta M., Brzobohatý B., Novák O., Doležal K. and De Diego N. Interaction between nitrogen and carbon metabolism in maize plants under high NO₃⁻ supply. // Biotechnology of Phytohormones and Natural Substances (BPNS), Velké Karlovice, Czech Republic, **2015**.
4. Saiz-Fernández I., De Diego N., and Lacuesta M. Nuevas propuestas de unión entre la investigación y la agricultura ecológica. // Encuentro Sectorial sobre Agricultura Ecológica., Vitoria-Gasteiz, Spain, **2014**.
5. Saiz-Fernández I., De Diego N., López-Sagarzazu S., Pérez-López U., Muñoz-Rueda A., and Lacuesta M. High nitrate induces hormonal and morphological changes in maize (*Zea mays* L.). // XII Reunión Nacional del Metabolismo del Nitrógeno, Bilbao, Spain, **2014**.
6. Saiz-Fernández I., De Diego N., and Lacuesta M. Hormonal and morphological response of maize (*Zea mays* L.) to high nitrate. // Conference Chemické Biologie, Kouty nad Desnou, Czech Republic, **2014**.
7. Muñoz-Rueda A., Lacuesta M., Mena-Petite A., Pérez-López U., Robredo A., Saiz-Fernández I., and Miranda-Apodaca J., Respuestas Fisiológicas de las plantas al cambio climático y su potencialidad como sumideros de CO₂ y cultivos bioenergéticos. // III Jornadas de Investigación y VII Jornadas de Presentación de Empresas y Centros de Innovación Tecnológica de la Facultad de Ciencia y Tecnología. University of the Basque Country, Leioa, Spain. **2012**.

Posters in conferences

1. Saiz-Fernández I., Đorđević B., Kerchev P., Černý M., Jung T., Horta Jung M. Metabolomic response of *Quercus variabilis* during *Phytophthora cinnamomi* infection // Plant Developmental and Production Biology under Global Climate Change conference. Brno, Czech Republic. **2019**
2. Corcobado T., Jung T., Kudláček T., Májek T., Plichta R., Saiz-Fernández I., Kerchev P., Matoušková M., Bačová A., Ďatková H., Dálya L.B., Trifcović M., Mureddu D., Milenković I. Physiological and histopathological characterization of infections caused by A1 and A2 mating types of heterothallic *Phytophthora* spp. In Fagaceae woody hosts // IUFRO, La Maddalena, Sardinia, Italy. **2019**
3. Saiz-Fernández I., Đorđević B., Kerchev P., Černý M., Jung T., Horta Jung M. Metabolomic response of *Quercus variabilis* during *Phytophthora cinnamomi* infection // Oomycete Molecular Genetics Network. 20th Annual Meeting. Oban, Scotland. **2019**

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4. Berka M, Dvořák M, Milenković I, Klinkovská V, Saiz-Fernández I, Đurković J, Brzobohatý B, Černý M. Plant-pathogen interaction – proteomics and metabolomics analyses of Phytophthora infection in poplar // Oomycete Molecular Genetics Network. 20th Annual Meeting. Oban, Scotland. **2019**
 5. Žukauskaitė A., Bielešová K., Saiz-Fernández I., Sedlářová M., Iškauskienė M., Kubeš M., Dzedulionytė K., Pařízková B., Pavlović I., Bazgier V., Vain T., Malinauskienė V., Šačkus A., Robert S., Napier R., Strnad M., Doležal K., Novák O. BP-IAA: Just another anti-auxin? // The 23rd international conference on Plant Growth Substances. Paris, France. **2019**
 6. Skalák J., Vercruyssen L., Claeys H., Hradilová J., Černý M., Novák O., Placková L., Saiz-Fernández I., Skaláková P., Coppens F., Dhondt S., Koukalová S., Zouhar J., Inze D., Brzobohatý B. Multifaceted activity of cytokinin in leaf development shapes its size and structure in Arabidopsis // The 23rd international conference on Plant Growth Substances. Paris, France. **2019**
 7. Žukauskaitė A., Bielešová K., Saiz-Fernández I., Sedlářová M., Iškauskienė M., Kubeš M., Dzedulionytė K., Pařízková B., Pavlović I., Bazgier V., Vain T., Malinauskienė V., Šačkus A., Robert S., Napier R., Strnad M., Doležal K., Novák O. New anti-auxin with different activity in roots and shoots // Plant biotechnology: Green for good V. Olomouc, Czech Republic. **2019**
 8. Žukauskaitė A., Bielešová K., Saiz-Fernández I., Sedlářová M., Iškauskienė M., Kubeš M., Dzedulionytė K., Pařízková B., Pavlović I., Bazgier V., Vain T., Malinauskienė V., Šačkus A., Robert S., Napier R., Strnad M., Doležal K., Novák O. New anti-auxin with different activity in roots and shoots // Chemistry and Biology of Phytohormones and Related Substances. Luhačovice, Czech Republic. **2019**
 9. Saiz-Fernández I., Del Canto A., Yoldi-Achandalabaso A., De Diego N., Mena-Petite A., Muñoz-Rueda A., Pérez-López U., Lacuesta M. High nitrate supply alters roots and shoot metabolism and overall growth of maize plants // I Simposio Español de Fisiología y Mejora de Cereales. Zaragoza, Spain, **2018**.
 10. Saiz-Fernández I., Černý M., Tomšovský M., Zelená P., Brzobohatý B. Know your enemy: The use of global proteome analysis in the war against Phytophthora // Plant Biology. Honolulu, USA. **2017**.
 11. Saiz-Fernández I., De Diego N., Pérez-López U., Muñoz-Rueda A., Lacuesta M. High NO₃⁻ supply disrupts root metabolism and growth of maize plants // XIV Congreso Hispano-Luso de Fisiología Vegetal. Toledo, Spain, **2015**.
 12. Saiz-Fernández I., De Diego N., Mena-Petite A., Muñoz-Rueda A., Lacuesta M. Could high NO₃⁻ supply reduce photosynthesis in maize (*Zea mays* L.)? // 12th PhD Student Conference of Plant experimental Biology Olomouc, Czech Republic, **2014**.
 13. Muñoz-Rueda A., Lacuesta M., Mena-Petite A., Pérez-López U., Miranda-Apodaca J., Saiz-Fernández I. Las plantas ante el cambio climático: posibles sumideros de CO₂ y cultivos bioenergéticos. // IV Jornadas de Investigación y VIII Jornadas de Presentación de Empresas y Centros de Innovación Tecnológica de la Facultad de Ciencia y Tecnología. Leioa, Spain, **2014**.
 14. Muñoz-Rueda A., Lacuesta M., Mena-Petite A., Pérez-López U., Robredo A., Saiz-Miranda-Apodaca J., Saiz-Fernández I., Adaptaciones de las plantas al cambio climático y su potencialidad como sumideros de CO₂ y cultivos bioenergéticos. // Jornadas científicas del 25 Aniversario de la Facultad de Farmacia. Vitoria-Gasteiz, Spain, **2013**.
 15. Saiz-Fernández I., De Diego N., Mena-Petite A., Muñoz-Rueda A., Ortiz-Barredo A., Lacuesta M. High nitrate supply decreases phytomer expansion and biomass production in maize (*Zea mays* L.) plants. // XII Congresso Luso-Espanhol de Fisiologia Vegetal - XX Reunión de la Sociedad Española de Fisiología Vegetal. Lisbon, Portugal, **2013**.
 16. Saiz-Fernández I., Notario J., Elorza I., Relloso J.B., Mena-Petite A., Muñoz-Rueda A., Pérez-López U., Ortiz-Barredo A., Lacuesta M. Uso potencial del maíz como cultivo energético. Incidencia del aporte hídrico en la producción de biomasa y potencial energético. // XI Simposio Hispano-Portugués de relaciones hídricas en las plantas. Sevilla, Spain, **2012**.
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17. Pérez-López U., Robredo A., Miranda-Apodaca J., Saiz-Fernández I., Lacuesta M., Mena-Petite A., Muñoz-Rueda A. Vulnerabilidad y adaptación de la cebada al cambio climático: una década de estudio. // Klimagune Workshop 2012, "From Euskadi to Rio+20". Bilbao, Spain, **2012**.
18. Pérez-López U., Robredo A., Miranda-Apodaca J., Saiz-Fernández I., Lacuesta M., Mena-Petite A., Muñoz-Rueda A. Balance Hídrico en las Plantas ante el Cambio Climático: Impacto del Aumento de CO₂. // Klimagune Workshop 2011. "Addressing Climate Change Through Adaptation". Bilbao, Spain, **2011**.
19. Saiz-Fernández I., Aguirre Igartua E., Mena-Petite A., Muñoz-Rueda A., De Diego N., Pérez-López U., Lacuesta M. Valoración de la producción de biomasa de diferentes plantas C₄ en respuesta al incremento de la temperatura // XIV Reunión de la Sociedad Española de Fisiología Vegetal - XI Congreso Hispano-Luso de Fisiología Vegetal. Castellón, Spain, **2011**.
20. Saiz-Fernández I., De Diego N., Mena-Petite A., Muñoz-Rueda A., Lacuesta M. High nitrate concentration reduces growth in *Zea mays*. // XIV Reunión de la Sociedad Española de Fisiología Vegetal - XI Congreso Hispano-Luso de Fisiología Vegetal. Castellón, Spain, **2011**.
21. De Diego N., Montalbán I., Saiz-Fernández I., Moncaleán P., Lacuesta M. Radiata pine ecotypes show different behaviour to drought and subsequent rewatering. // XIV Reunión de la Sociedad Española de Fisiología Vegetal - XI Congreso Hispano-Luso de Fisiología Vegetal. Castellón, Spain, **2011**.
22. Saiz-Fernández I., Aguirre-Igartua E., Vicente-Martín S., Mena-Petite A., Muñoz-Rueda A., Relloso J.B., Ortiz Barredo A., Lacuesta M. Influencia del aporte nitrogenado e hídrico en el desarrollo de un cultivo bioenergético de *Sorghum bicolor*. XIII Simposio Ibérico de Nutrición Mineral de las Plantas. Donostia, Spain, **2010**.
23. Saiz-Fernández I., Aguirre-Igartua E., Wargent J., Muñoz-Rueda A., España-Diez S., Paul N., Lacuesta M. High nitrate decreases *Sorghum bicolor* growth under elevated CO₂ // XVII Congress of the Federation of European Societies of Plant Biology (FESPB). Valencia, Spain, **2010**.
24. Muñoz-Rueda A., Lacuesta M., Mena-Petite A., Pérez-López U., Robredo A., Aguirre-Igartua E., Saiz-Fernández I., Miranda-Apodaca J. Elevated CO₂ and plant physiology: plant contribution to climate change mitigation. // II Jornadas de Investigación de la Facultad de Ciencia y Tecnología. Leioa, Spain, **2010**.
25. Saiz-Fernández I., Aguirre E., Uriarte M., Mena-Petite A., Ortiz Barredo A., JB Relloso J.B., Muñoz-Rueda A., Lacuesta M. Valoración del sorgo y maíz como cultivos bioenergéticos: estudio de la influencia del aporte de nitrógeno en las características fotosintéticas y en la producción de biomasa. // XVIII Reunión de la Sociedad Española de Fisiología Vegetal - X Congreso Hispano-Luso de Fisiología Vegetal. Zaragoza, Spain, **2009**.

Participation in Conferences and other Scientific Meetings

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|-----------------|--|
| 09/2019: | Plant Developmental and Production Biology under Global Climate Change conference. Brno, Czech Republic |
| 07/2019: | 20th Meeting of the Oomycete Molecular Genetics Network", Oban, Scotland, United Kingdom. |
| 06/2017: | Plant Biology 2017, Honolulu, Hawaii, USA. |
| 09/2015: | The 44th Conference of the European Society for New Methods in Agriculture Research, Brno, Czech Republic. |
| 03/2015: | Biotechnology of Phytohormones and Natural Substances (BPNS), Velké Karlovice, Czech Republic. |
| 10/2014: | Encuentro Sectorial sobre Agricultura Ecológica., Vitoria-Gasteiz, Spain. |
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- 09/2014:** 12th PhD Student Conference of Plant experimental Biology Olomouc, Czech Republic.
07/2014: XII Reunión Nacional del Metabolismo del Nitrógeno, Bilbao, Spain.
03/2014: Konference Chemické Biologie, Kouty nad Desnou, Czech Republic.
06/2012: Klimagune Workshop 2012, “From Euskadi to Rio+20”. Bilbao, Spain.
05/2011: Klimagune Workshop 2011. “Addressing Climate Change Through Adaptation”. Bilbao, Spain.
06/2011: XIV Reunión de la Sociedad Española de Fisiología Vegetal - XI Congreso Hispano-Luso de Fisiología Vegetal. Castellón, Spain.
09/2010: XIII Simposio Ibérico de Nutrición Mineral de las Plantas. Donostia, Spain.
07/2010: XVII Congress of the Federation of European Societies of Plant Biology (FESPB). Valencia, Spain.
03/2010: II Jornadas de Investigación de la Facultad de Ciencia y Tecnología. Leioa, Spain.
09/2009: XVIII Reunión de la Sociedad Española de Fisiología Vegetal - X Congreso Hispano-Luso de Fisiología Vegetal. Zaragoza, Spain.