

CURRICULUM VITAE
FERNANDO ARAMBURU MERLOS

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EDUCATION

PhD in Horticulture & Agronomy. University of California, Davis.	2017 – 2022
Master's in Plant Production. National University of Mar Del Plata, Buenos Aires, Argentina.	2014 – 2016
Bachelor in Agricultural Engineering. National University of Mar Del Plata, Buenos Aires, Argentina.	2005 – 2010

RESEARCH EXPERIENCE

Research Assistant Professor, University of Nebraska, Lincoln. Department of Agronomy and Horticulture.	Jan 2023 –
Post-Doctoral Research Associate, University of Nebraska, Lincoln. Department of Agronomy and Horticulture.	July 2022 – Dec 2023
Research Fellow. National Institute of Agricultural Technology (INTA), Balcarce, Buenos Aires, Argentina.	Jun 2012 –
Visiting Scholar at Purdue University, IN, USA. Department of Agronomy. Cropping Systems Group.	Apr 2011 – Dec 2011

PEER REVIEWED PUBLICATIONS

Aramburu Merlos, <i>et al.</i> 2023. Estimating lime requirements for tropical soils: Model comparison and development. Geoderma, 432, 116421	2023
Aramburu Merlos and Hijmans. 2022. Potential, attainable, and current levels of global crop diversity. Environ Res Letters 17.4 044071.	2022
Aramburu Merlos and Hijmans. 2020. The scale dependency of spatial crop species diversity and its relation to temporal diversity. PNAS 202011702	2020
Alonso, ..., Aramburu Merlos, <i>et al.</i> 2018. Analysis of sink/source relations in bread wheat recombinant inbred lines and commercial cultivars under a high yield potential environment. Eur J Agron 93: 82-87	2018
Aramburu Merlos, <i>et al.</i> 2015. Potential for crop production increase in Argentina through closure of existing yield gaps. Field Crops Res. 184: 145–154.	2015

RECENT SCIENTIFIC MEETING PUBLICATIONS

Aramburu Merlos, <i>et al.</i> Mapping Yield Potential at High Resolution By Combining Agronomy and AI. Invited speaker in Symposium Practical Application of AI for Actionable Crop Management Decisions, ASA, CSSA, SSSA International Annual Meetings. St Louis, MO, USA.	Oct 2023
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Aramburu Merlos, *et al.* Meeting Growing Maize Demand in East Africa without Further Cropland Expansion. ASA, CSSA, SSSA International Annual Meetings. St Louis, Mo, USA. Oct 2023

FELLOWSHIPS, SCHOLARSHIPS AND GRANTS

Robert S. and Lois Ann Loomis Graduate Fellowship in Agronomy, UC Davis	2021 – 2022
Henry A. Jastro - Horticulture & Agronomy Graduate fellowship, UC Davis	2021
Fulbright – Argentine Ministry of Education Scholarship to pursue graduate studies in the U.S.	2017 – 2019
Scholarship to pursue Graduate Studies. National Institute of Agricultural Technology (INTA), Balcarce Experimental Station.	2013 – 2016
Training Grant. National Institute of Agricultural Technology (INTA), Balcarce Experimental Station.	2012 – 2013
Grant for Advanced Students. National University of Mar del Plata (UNMDP).	2010 – 2011

HONORS AND AWARDS

UCD Graduate Research Award. UC Davis	2021
Summer Graduate Student Researcher Award Engineering or Computer-related Applications and Methods. UC Davis	2021
Research Recognition Award for graduate students working in soil or crop sciences, on the sustainable intensification of agriculture and a more efficient use of resources. Monsanto Argentina.	2014
“Best GPA Award” for highest GPA at each Agricultural Engineering program across the country (one per university). Argentine Association of Horticulture.	2011

TEACHING EXPERIENCE

Teaching Assistant. UC Davis. ABT181 (Concepts and Methods in GIS); PLS120 (Applied Statistics in Agricultural Science); PLS150 (Sustainability and Agroecosystem Management); BIS2C (Biodiversity and the Tree of Life)	2018 - 2021
Graduate Teaching Assistant (<i>ad honorem</i>). UNMDP. Crop Ecophysiology.	2013 – 2016
Undergraduate Learning Assistant. UNMDP. Plant Biology and Morphological Botany & Genetics; Biochemistry I & II; Breeding; Crop Ecophysiology (2010).	2006 – 2010

LANGUAGES

Spanish: Native

English: Fluent. Toefl IBT, Score: 101 (2017)