

Carolina Rodriguez Gonzalez

Tertiary Education

Ph.D. in Agricultural Science, specialization in Crop Production, 2016-2021

Department of Biosystems and Technology, Swedish University of Agricultural Sciences

M.Sc. in Agricultural Science Focus of studies: Agroecology, 2012-2015

Swedish University of Agricultural Sciences

BS. in Agronomy, 2000-2005

Universidad Nacional de Colombia

Employment history

2022-present **Postdoctoral Researcher.** Ecological and Environmental Modelling, IFM, Linköping University, Sweden

2021 **Postdoctoral Research Fellow.** Farming Systems Ecology Group, Wageningen University and Research.

2016-2021 **Ph.D. Student.** Cropping systems Ecology group, Swedish University of Agricultural Science.

2016 **Research assistant.** Cropping systems Ecology group, Swedish University of Agricultural Science, and European Union project Climate-CAFÉ "Climate Change Adaptability of cropping and Farming systems for Europe."

2014 **Research assistant.** Cropping systems Ecology group, Swedish University of Agricultural Science

Publication Record

Peer-reviewed

- **Rodriguez, C.**, Lopez Hörsel, S., Dimitrova Mårtensson L.-M., & Blennow, K. Is yield loss during drought correlated to landscape-level crop diversity? Development of enabling methodology for crop diversity studies with application in Scania, Sweden (Submitted)
- **Rodriguez C.**, Dimitrova Mårtensson L.-M., Zachrisson M., & Carlsson G. Sustainability of diversified organic cropping systems - challenges identified by farmer interviews and multi-criteria assessments. *Front. Agron.* 3, 75. <https://doi.org/10.3389/fagro.2021.698968>
- **Rodriguez C.**, Dimitrova Mårtensson L.-M., Jensen ES., & Carlsson G., (2021). Combining crop diversification practices can benefit cereal production in temperate climates. *Agron. Sustain. Dev.* 41, 48. <https://doi.org/10.1007/s13593-021-00703-1>
- Jensen, ES., Chongtham, I., Dhamala, N., **Rodriguez, C.**, Carton, N., & Carlsson, G. (2020). Diversifying European agricultural systems by intercropping grain legumes and cereals. *Int J Agric Nat Reso.* 47(3), 174-186. <http://dx.doi.org/10.7764/ijanr.v47i3.2241>

- **Rodriguez C.**, Carlsson G., Englund J.-E, Flöhr A., Pelzer E., Jeuffroy MH, Makowski D., & Jensen ES. (2020). Grain legume-cereal intercropping enhances the use of soil-derived and biologically fixed nitrogen in temperate agroecosystems. A meta-analysis. *Eur J Agron.* 118, 126077. <https://doi.org/10.1016/j.eja.2020.126077>

Reports

- Lopez Hösel, S., **Rodriguez, C.**, Albertsson J., Bodin, P., Markensten, T., Brady M., Carlsson, G. 2019. Gröddiversitets-index – metodutveckling och rekommendationer. SLU. finansiering från SMHI via medel för utveckling av handlingsplaner och verktyg (SMHI dnr 2018/31/10.5).

Grant Awarded

AHIA 2020-21 Demonstrating dependencies between humanity and nature for a sustainable future: A nitrogen case study. ALTER-Net High Impact Action (AHIA)-fund. Total funding 14 500€ (co-applicant)

Academic Presentations

- Diversifying crop rotation sequences with grain legume/cereal intercrops and legume/grass cover crops. Intercropping for sustainability Virtual Conference. 18-20 January 2021 (*Oral presentation*).
- Grain legume-cereal intercropping enhances soil N acquisition and increases the reliance on dinitrogen fixation in grain legumes: A meta-analysis. European Conference on Crop diversification. 18-21 September 2019. Budapest, Hungary (*Oral presentation*)
- Ecological intensification by intercropping of cereals and grain legumes. Bertebos Conference. 26-28 August 2018. Falkenberg, Sweden (*Oral presentation and Poster*).

Outreach

- Invited to the podcast *Feeding your Mind*. SLU Future Food.
- Seminars, workshops, and field demonstrations for diverse stakeholders (Farmers, advisors, retailers, scientists) as part of EU Horizon 2020 Project DiverIMPACTS.
- Facilitation of farmer and scientist collaboration in a European project (Climate-CAFÉ).
- Agroecology day. SLU. Feeding the World Agroecologically.

Board assignments

Member of the board of the European Society for Agroecology