

# SARA PINEDA ZAPATA

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Lleida, Spain

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SARAPINEDA

## SKILLS

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**Software:** R, QGIS, ArcGIS, Metashape, Linkage mapper, Fragstat

**Languages:** Native Spanish, Proficient English, Intermediate Italian

## PROFESSIONAL EXPERIENCE

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**Intern** LAB of forest planification and landscape analysis, University of Lleida 06/2021 – 07/2021.

- Collected dendrometric data for *Pinus halepensis* regeneration after fires.
- Identification of shrubs and understory species of Mediterranean forests.

**Contractor** • Hatovial, Medellín, Colombia 08/2020 – 12/2020

- Assessed Fragmentation and connectivity in the study area for the project "Doble calzada Barbosa-Pradera"
- Prepared and reviewed Geo Data Base (GDB) with the study data.

**Project engineer** • EyC Global, Medellín, Colombia 05/2019 – 08/2020

- Formulation of Environmental Impact Studies for different types of projects, such as energy transmission lines and thermal power stations.
- Prepared, reviewed and updated environmental reports, required by the environmental authority.
- Conducted forest inventories and processed botanical samples.
- Conducted landscape connectivity analysis using Linkage mapper.

**Environmental analyst** • IEB – Ingeniería Especializada, Medellín, Colombia 11/2017 – 05/2019

- Analysis of environmental restrictions and criticalities necessary for the selection of engineering investment projects.
- Identification of the meteorological parameters for the design of electrical substations.
- Completed mapping projects involving field data and official biotic information for different environmental studies.

**Project assistant** • Ingeobosque, Medellín, Colombia 10/2017 – 11/2017

- Conducted forest inventories in temporal plots for logging.
- Forestry species identification in temporal plots.
- Prepared and reviewed Geo Data Base (GDB) with forest inventories data.

**Contractor** • Duratex, Medellín, Colombia 05/2017 – 07/2017

- Completed and updated the company's impact baseline.
- Accompaniment to obtain the Forest Stewardship Council (FSC) recertification.

**Intern** • Duratex, Medellín, Colombia 07/2016 – 01/2017

- Supervised the maintenance of the company's forest plantations.
- Research for the substitution of chemical products with biological products for the control of *Atta cephalotes* in eucalyptus and pines plantations.
- Supervision to silviculture activities.

**Contractor** • Amazonian Research Institute - SINCHI, Amazonas, Colombia 04/2015 – 08/2015

- Collaborated with plot recensus, data analysis and fieldwork coordination in Amacayacu Forest Dynamics Plots.
- Prepared reports related with field work, for the Amazonian Research Institute.
- Processed botanical samples from the permanent plots.

## EDUCATION

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<b>M.Sc. European Forestry</b> • <i>University of Eastern Finland</i>	2020 - 2022
<b>M.Sc. Spatial and Ecological Modelling in European Forestry</b> • <i>University of Lleida</i>	2020 - 2022
<b>B.Sc. Forestry Engineer</b> • <i>Universidad Nacional de Colombia</i>	2010 - 2017

## RELEVANT COURSEWORK

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**2018:** ArcGis 2, ArcGis 3 and Building geodatabase, certified by ESRI.

**2014:** Research group in remote sensing and forest management – Universidad Nacional de Colombia