

## Education

- 2018 **Master's degree in Agricultural Science (emphasis in Tropical Animal Production)** ,  
National University of Colombia,  
Palmira, Valle, Colombia.

**Title of thesis:** *Diet modeling for the reduction of enteric methane emissions in cattle and its adoption potential for ranchers located in Piedemonte llanero*

Award: Meritorious Mention

- 2012 **Bachelor's degree in Agricultural Engineering,**  
National University of Colombia,  
Bogotá D.C, Colombia.

## Professional profile

Has over 7 years of experience in the agricultural sector focusing on proposing and coordinating research projects, data analysis, vulnerability and rural socioeconomic risk assessments, climate change, greenhouse gas inventory and crops and cattle modeling. An autocritical and responsible man with excellent communication, leadership and planning skills. Possesses an admirable ability of working in multicultural teams.

## Professional experience

- October 2018 **Climate Smart Villages Coordinator in Latin america,**  
- Current *CGIAR - Research program on Climate Change Agriculture and Food Security (CCAFS)*,  
Palmira, Valle, Colombia.

Main activities:

- Coordinate actions with local and regional partners in Latin America Climate Smart Villages.
- Offer technical and scientific orientation for designing, implementing and assessing climate smart practices in agriculture.
- Coordinate research in Climate Smart Villages.
- Support the regional coordination and project management research in Central America together with the CGIAR research centers and other CCAFS partners.

April 2016 – **Associate researcher,**  
October 2018 *International Center for Tropical Agriculture (CIAT),*  
Palmira, Valle, Colombia, .

Main activities:

- Supervise projects results in climate change adaptation and mitigation.
- Coordinate the National Agro Climatic Committee from April to June 2018.
- Support projects focusing on greenhouse gases inventories, crop and cattle modeling, and rural socio economic analysis.
- Coordinate the writing, designing and broadcasting of scientific information.

October 2012 **Scientific support,**  
- April 2016 *International Center for Tropical Agriculture (CIAT),*  
Palmira, Valle, Colombia, .

Main activities:

- Modeling the impact of climate change in crops and cattle in many places around the world.
- Modeling emissions of greenhouse gases in livestock systems.
- Constructing linear models to assess the implementation of technologies in farms.
- Design activities for climate change adaptation and mitigation in agricultural, livestock and energy sectors in different places around the world mainly in Colombia and Ecuador.

June 2012 - **Visiting Researcher,**  
October 2012 *International Center for Tropical Agriculture (CIAT),*  
Palmira, Valle, Colombia, .

Main activities:

- Socio economic analysis, risk assessment, designing and broadcasting of climate change adaptation and mitigation practices for three communities in Mexico.

August 2011 - **Intern,**  
June 2012 *International Center for Tropical Agriculture (CIAT),*  
Palmira, Valle, Colombia, .

Main activities:

- Collect socio economic information and productivity through surveys in two farmer communities in Colombia.
- Make a socio-economic classification of farmers in two places in Colombia.

## Some publications

CIAT and Cormacarena (2018) Plan Regional Integral de Cambio Climático para la Orinoquía. CIAT publicación No. 438. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. ISBN Impreso: 978-958-694-167-9, ISBN Digital: 978-958-694-168-6. **(Co-author)**

CIAT, Cormacarena, Corporinoquia and ECOPETROL. (2018) Plan Regional Integral de Cambio Climático para la Orinoquía - Resumen Ejecutivo. CIAT publicación No. 457. ISBN Impreso: 978-958-694-193-8, ISBN Digital: 978-958-694-194-5 **(Co-author, compilation, guidance and technical edition)**

De Pinto, A., Li, M., Haruna, A., Hyman, G. G., Martinez, M. A. L., Creamer, B., ... and **Martinez, J. D.** (2016). Low Emission Development Strategies in Agriculture. An Agriculture, Forestry, and Other Land Uses (AFOLU) Perspective. *World Development*, 87, 180-203.

Tapasco, J., **J. Martínez**, S. Calderón, G. Romero, D. A. Ordóñez, A. Álvarez, L. Sánchez-Aragón and C. E. Ludeña. 2015. Impactos Económicos del Cambio Climático en Colombia: Sector Ganadero. Banco Interamericano de Desarrollo, Monografía No. 254, Washington D.C.

De Pinto, Alessandro; Haruna, Akiko; Creamer, Bernardo; Hyman, Glenn; Li, Man; Kwon, Ho Young; Garcia, Jhon Brayan Valencia; Coca, Alejandro Castro; Tapasco, Jeimar; **Martinez, Jesus David** and Hoyos, Jesus David. 2014. Low emission development strategies for agriculture and other land uses: The case of Colombia. Washington, D.C. and Cali, Colombia: International Food Policy Research Institute (IFPRI) and International Center for Tropical Agriculture (CIAT). <http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/128679>