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## Education

2025 — Ph.D. in Communication, Languages, and Information — Pontificia Universidad Javeriana.  
Bogotá, Colombia  
2015 — Master in Semiotics — Universidad de Bogotá Jorge Tadeo Lozano. Bogotá, Colombia  
2012 — Bachelor of Fine Arts — Universidad de los Andes. Bogotá, Colombia

## Training

2019 — Course in Agent Based Modeling — Santa Fe Institute. Complexity Explorer (Online)  
2015 — Diploma in Creative Writing — Instituto Caro y Cuervo. Bogotá, Colombia

## Teaching experience

Graduate level	Departamento de Humanidades. Universidad Jorge Tadeo Lozano
2021— 2025 Introduction to Digital Humanities Master in Digital Humanities Facultad de Artes y Humanidades. Universidad de los Andes	Undergraduate level
2021— 2025 Introduction to Digital Humanities Master in Digital Humanities Facultad de Artes y Humanidades. Universidad de los Andes	2024 – 2025 Histories, theories and writing Art Department. Universidad de los Andes
2020, 2023 Data visualization Master in Digital Humanities Facultad de Artes y Humanidades. Universidad de los Andes	2014 – 2020 Semiotics Humanities Department. Universidad Jorge Tadeo Lozano
2018 Theories of Sign Interaction Master in Semiotics	2019 – 2020 Digital Humanities Humanities Department. Universidad Jorge Tadeo Lozano
	2017 – 2018 Art and Meaning. Art Department. Universidad de los Andes

## Research experience

2025  
Postdoctoral researcher  
Faculty of Arts and Humanities  
Universidad de los Andes.

2023

Visiting Scholar

iSchool (School of Information Sciences)

University of Illinois in Urbana-Champaign. United States.

2020 – Currently

Research Assistant

*Democracy in Colombia in times of fake news and discourses: local and regional elections.*

(Coordinator Prof. Andrés Lombana Bermúdez)

Pontificia Universidad Javeriana

2015

Junior Researcher

*Mind Language and Society* Research Group

Colciencias and Universidad de Bogotá Jorge Tadeo Lozano

### Honors and Awards

2025 — Summa Cum Laude. Ph.D. in Communication, Languages and Information. Pontificia Universidad Javeriana.

2017 — Biosemiotic Achievement Award 2016. Springer and the ISBS (International Society for Biosemiotic Studies).

2015 — Academic Excellence Distinction. Master in Semiotics. Universidad de Bogotá Jorge Tadeo Lozano.

2012 — Exemplary Thesis Project. Bachelor of Fine Arts. Universidad de los Andes

### Publications

2025 — with Juan Álvarez Umbarila — *Biteratura en español: posibilidades literarias generativas e interactivas para archivos digitales dinámicos*. (Biterature in Spanish: generative and interactive literary possibilities for dynamic digital archives).

In ¡Hola, mundo! Humanidades Digitales en América Latina. M. J. Afanador Llach, G. del Rio Riande, E. Priani Siasó (eds.). Ediciones Uniandes.

Doi: 10.51573/Andes.9789587987362.9789587987379.9789587987867

2024 — *Tres andamios para el cómic colombiano. (Three scaffoldings for Colombian comics)*

Revista de Estudios Colombianos. Vol 63. Pp. 20-25.

Doi: 10.53556/2eme6b98

2023 — with Germán Jiménez — *Animalista, Narco-Cultural, Conservacionista. Visions of Nature Around the Case of Hippos in Colombia*

Biosemiotics Vol. 16, Pp. 457–478.

Doi: 10.1007/s12304-023-09541-y

2023 — *Generadores de texto e imágenes usando gramáticas libres de contexto en Aventura.js*  
(Text and image generators with context free grammars in Aventura.js)  
Programming Historian en español 7.  
Doi: 10.46430/phes0063

2023 — with Andrés Lombana-Bermúdez — *Desbordando hashtags de Twitter: La protesta digital k-pop en el Paro Nacional de 2021 en Colombia* (Overflowing Hashtags on Twitter: K-Pop Digital Protests within the Context of the 2021 National Strike in Colombia)  
Anuario Electrónico de Estudios en Comunicación Social "Disertaciones". Vol. 16. Num. 2.  
Doi: 10.12804/revistas.urosario.edu.co/disertaciones/a.12803

2022 — *Conjectural artworks: seeing at and beyond Maturana and Varela's visual thinking on life and cognition*  
AI & Society Vol. 37 Num. 3 Sep Pp. 1307–1318  
Doi: 10.1007/s00146-021-01355-1

2022 — *Stories Explaining Meaning. (Open Commentary of "The Maturanian Turn: Good Prospects for the Language Sciences" by Alexander V. Kravchenko)*  
Constructivist Foundations. Vol. 18, Num 1. Pp. 59-63  
<https://constructivist.info/18/1/059>

2022 — *How to Collect Citizen-Sourced Digital Data for Social Science Research: Participatory Methods*  
Sage Research Methods. Doing Research Online  
Doi: 10.4135/9781529608328

2021 — *Signos visuales a escala humana: una clasificación de métodos de visualización de datos y una reflexión sobre sus alcances para la investigación humanística* (Visual Signs at Human Scale: A Classification of Data Visualization Methods and an Inquiry on their Implications for Humanities)  
Revista de Humanidades Digitales. Vol. 6. Pp. 64–84.  
Doi: 10.5944/rhd.vol.6.2021.30734

2021 — *Organización, experiencia y adaptación. Tres conexiones biosemióticas entre el pensamiento de von Uexküll y la biología enactiva de Maturana y Varela* (Organization, Experience, And Adaptation. Three Biosemiotic Connections Between Von Uexküll's Thought and Maturana and Varela's Enactive Biology)  
Revista Colombiana de Filosofía de la Ciencia. Vol. 21. Num. 43. Pp. 207–230.  
Doi: 10.18270/rcfc.v43i21.3365

2020 — *Desarrollar la inteligencia creativa en diseño: repensar la semiótica. (Developing creative intelligence in design: rethinking semiotics)*  
Bitácora Urbano Territorial Vol. 30, Num. 2. Pp. 141–150.  
Doi: 10.15446/bitacora.v30n2.81537

2019 — *Cartographies of the mind: Generalization and relevance in cognitive landscapes*  
Sign Systems Studies Vol. 47, Num. 3/4. Pp. 382–399.  
Doi:10.12697/SSS.2019.47.3-4.02

2019 — *An agential-narrative approach on art semiosis.*

Technoetic Arts Vol. 17, Num. 3. Pp. 281–295.  
Doi:10.1386/tear\_00021\_1

2016 — *Recurrences and Human Agential Meaning Grounding: Laying a Path in Walking*.  
Biosemiotics Vol. 9, Num. 2. Pp. 169–184.  
Doi:10.1007/s12304-016-9267-2

2015 — *Artistas e identidades discursivas. El gran telón, el Luis Caballero de la crítica y el Caballero de Caballero. (Artists and discourse identities. “El gran telón”, the “Luis Caballero” of the critics, and the “Caballero” of himself)*  
Hallazgos Vol. 12, Num. 24. Pp. 19–30.  
Doi:10.15332/s1794-3841.2015.0024.01.

2014 — *Personajes indecisos: discurso, identidad e incertidumbre narrativa. (Indecisive characters: discourse, identity, and narrative uncertainty)*  
Hallazgos Vol. 11, Num. 22. Pp. 41–49.  
Doi:10.15332/s1794-3841.2014.0022.02

#### Service

2021 – Currently — Assistant editor, Biosemiotics Journal

2021 – Currently — Main committee member, Colombian Network of Digital Humanities (RCHD)

2015 – 2017 — Vocal, Colombian Association for Semiotic Studies (ASES)

— 26/05/25 —