

RENATA COPPO

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Nationalities: Argentine, Italian

CV Summary

Postdoctoral researcher at ISAC-CNR, Italy, with a PhD in Geological Sciences from the National University of Córdoba (Argentina), awarded Summa Cum Laude. Expertise in paleoclimate research using wind-blown dust as proxies for past atmospheric circulation. Skilled in R and Matlab for data analysis and experienced in luminescence and isotopic techniques. Published first author in *Quaternary Science Reviews*. Languages: Spanish (native), English (C1), Italian (B1), Portuguese (A2).

Education

- **PhD in Geological Sciences**
National University of Córdoba, Argentina | 2017–2024
Dissertation: *Zonal atmospheric circulation in the southern hemisphere through wind sediments as paleoclimatic indicators*.
Summa Cum Laude | Advisor: Dr. Diego M. Gaiero
- **Bachelor's in Geology**
National University of Córdoba, Argentina | 2009–2015
Thesis: *Hydrodynamic variations of the Holocene in Laguna Lizoite*.
Grade Average: 7.51 | Final Thesis Grade: 10

Research Experience

- **Postdoctoral Researcher**
ISAC-CNR, Italy | March 2025–Present
Developing a new paleoclimate configuration of the EC-Earth4 Earth System Model to study Early Eocene hyperthermal transitions.
- **PhD Candidate**
National University of Córdoba, Argentina | 2017–2024
Researched Southern Hemisphere atmospheric circulation through wind-blown sediments, applying geochemical and isotopic analysis.

Publications (latest three)

- **Coppo, R.**, Cosentino, N. J., Torre, G., et al. (2022). *Coeval minimum South American and maximum Antarctic last glacial maximum dust deposition: A causal link? Quaternary Science Reviews*, 295, 107768. IF: 3.2
- Torre, G., Gaiero, D., **Coppo, R.**, et al. (2022). *Unraveling late Quaternary atmospheric circulation in the Southern Hemisphere. Earth-Science Reviews*, 232, 104143. IF: 10.8

- Cosentino, N. J., **Coppo, R.**, et al. (2020). *Satellite Chlorophyll-a Response to Patagonian Dust*. *Journal of Geophysical Research: Biogeosciences*, e2020JG006073. IF: 3.7

Seminars and Conferences (most relevant)

- **Coppo, R.**, Nogués, V., Montecino, D., et al. (2023). *The grain size of Pampean loess as a proxy for southern South America atmospheric circulation during the last glacial maximum*. XXI INQUA Congress, Rome.
- **Coppo, R.**, et al. (2021). *Minimum LGM Dust Deposition and its Relationship with a Coeval Maximum in Antarctica*. Virtual seminar “Blowing South: Southern Hemisphere Dust Symposium”.
- **Coppo, R.**, et al. (2021). *Coeval Minimum South American and Maximum Antarctic Last Glacial Maximum Dust Deposition: Causal Link?*. AGU Fall meeting 2021.

Research Projects

- **PICT-2017-2705**: *Zonal atmospheric circulation in the Southern Hemisphere through wind-blown sediments*.
Role: Researcher | Funding: FONCyT, Argentina
- **IAS-PSG-4605**: *Geochemical characterization of Pampean aeolian sediments*.
Role: Principal Investigator | Funding: International Association of Sedimentologists

Teaching Experience

- **Teaching Assistant**, Applied and Isotopic Geochemistry, National University of Córdoba (2019–2020).
- **Undergraduate Teaching Assistant**, Stratigraphy and Historical Geology, National University of Córdoba (2014).

Training & Courses

- **Laboratory Internships**: Optical Luminescence (University of São Paulo, 2018); Isotopic Analysis (Federal University of Rio Grande do Sul, 2018).
- **Relevant Courses**: Climate Change (IPSL Spring School, 2021); General Linear Models with R (National University of Córdoba, 2021)

Skills

- **Programming**: R, Matlab
- **Techniques**: Luminescence, Isotopic Geochemistry, Paleoclimatic Data Processing
- **Languages**: Spanish (Native), English (C1), Italian (B1), Portuguese (A2)

Awards & Grants

- **IAS Postgraduate Grant** for Data Acquisition (2018).
- **CONICET PhD Scholarship** for Research (2017–2023).

Other Activities

- **Peer Reviewer**: *Nature Communications* (2025).
- **Event Organizer**: XI Jornadas de Ciencias de la Tierra, Córdoba (2019).
- **Student Representation**: Member of the Doctorate Directive Board (2018–2021).