Veleda Astarte Paiva Muller, Ph.D.

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ACADEMIC APPOINTMENTS

May/2026 present	**Assistant Professor of Geosciences,** Geophysical Institute, College of Natural Science and Mathematics, University of Alaska Fairbanks
Nov/2023 April/2026	**Postdoctoral Researcher**, Department of Geosciences, University of Arizona, USA. Funding: **TANGO "TransANdean Great Orogeny"** NSF grant 2020627. Principal Investigators: Susan Beck, Barbara Carrapa, Peter DeCelles
May-Nov/2023	**Research Assistant**, UNIMIB, Italy. Funding: **MATRICs "Magmatic Triggering of Cenozoic Climate Cooling"** Fondazione CDP grant 2022-1546_001. Principal Investigators: Pietro Sternai, Rosario Esposito
Apr/2017-May/2019	**Research Assistant,** LAMIR Institute, UFPR, Brazil. Funding: **"Microbial Project"** CAPES/PETROBRAS grant 2016/00141–1. Principal Investigators: Anelize Bahniuk, Leonardo F. Cury
Apr/2017-May/2019	**Research Assistant,** CONYCET, Chile. Funding: **"Tectonic evolution of Middle Jurassic to Early Cretaceous Chilean ophiolites"** FONDECYT grant 1161818. Principal Investigator: Mauricio Calderón
Aug/2012-Sep/2014	**Research Assistant,** Department of Geology, UFPR, Brazil. Funding: **"Structures of basement rocks and their influence to the Paraná and Amazonas Paleozoic sedimentary basins"** CNPq. Principal Investigator: Carlos Eduardo de M. Barros

EDUCATION

Ph.D. Sep/2019-May/2023	**Department of Earth and Environmental Sciences, University of Milano-Bicocca (UNIMIB)**, Italy Thesis: *Unraveling coupled surface-deep Earth processes in the Southern and Patagonian Andes through numerical modeling constrained by integrated datasets* Supervisor: Prof. Pietro Sternai. Awarded with the title of "Doctor Europaeus"
Ph.D. exchange May/2021-May/2022	**Institute des Sciences de la Terre (ISTerre), Université Grenoble Alpes**, France Supervisors: Prof. Christian Sue, Dr. Pierre Valla. Funded by the Erasmus+ Program
M.Sc. Apr/2017-Apr/2019	**Department of Geology, Federal University of Paraná (UFPR),** Brazil Thesis: *The Rocas Verdes Basin evolution at latitudes 52-54°S, Southern Patagonia: from its opening to the accretionary emplacement of the Sarmiento ophiolites and development of the Magallanes fold and thrust belt* Supervisors: Prof. Leonardo Fadel Cury, Prof. Mauricio Calderón
M.Sc. exchange Aug/2018-Nov/2018	**Department of Geology, Universidad Andrés Bello**, Chile Supervisor: Prof. Mauricio Calderón, Funded by the "Microbial Project", CAPES/PETROBRAS (Brazil)
B.Sc. Apr/2011-Apr/2017	**Department of Geology, UFPR,** Brazil Thesis: *Geologic cross-section of the southern region of Perau, city of Adrianópolis: structural and metamorphic characterization in the study of tectonic phases* Supervisor: Prof. Leonardo Fadel Cury
B.Sc. exchange Sep/2014-Sep/2015	**Department of Geology, University of Salamanca,** Spain Funded by the "Science without Borders Program" CNPq (Brazil) Supervisor: Prof. Gabriel Gutierrez-Alonso

MANUSCRIPTS IN REVIEW/REVISION

Muller V.A.P., Carrapa B., Thomson S., DeCelles P.G., Ronemus C.B., Howlett C.J., Beck S.L. (2026). Orographic erosion and river incision control fold-and-thrust belt exhumation in the Central Andes. *Earth and Planetary Science Letters* (*in revision*)

Ronemus C.B., Howlett C.J., DeCelles P., Carrapa B., Fennell L.M., Thirumalai K., **Muller V.A.P.,** Lothari L. (2026). Mixed signals: Tectonic and climatic controls on stable isotopes in the Miocene Andes (~32^°S). *Earth and Planetary Science Letters* (*under review*)

PEER-REVIEWED PUBLICATIONS

Ostorero L., Esposito R., Bouilhol P., Ballato P., **Muller V.A.P.**, Frezzotti M.L., Sternai P. (2025). Iranian Neo-Tethyan magmas as a significant CO2 source during the Middle Eocene Climate Optimum. *Lithos,* 514-515, 108216, https://doi.org/10.1016/j.lithos.2025.108216

Muller V.A.P., Sue C., Valla P., Sternai P., Simon-Labric T., Gautheron C., Cuffey K.M., Grujic D., Bernet M., Martinod J., Ghiglione M., Herman F., Reiners P., Shuster D., Willett, C., Baumgartner L., and Braun J. (2024). Geodynamic and climatic forcing on late-Cenozoic exhumation of the Southern Patagonian Andes (Fitz Roy and Torres del Paine massifs). *Tectonics,* 43(7), e2023TC007914, doi.org/10.1029/2023TC007914

Muller V.A.P., Sternai P., and Sue C. (2024). Fast uplift in the southern Patagonian Andes due to long-and short-term deglaciation and the asthenospheric window underneath. *Solid Earth*, 15(4), 387-404, doi.org/10.5194/se-15-387-2024

Cloetingh S., Sternai P., Koptev A., Ehlers T.A., Gerya T., Kovács I., Oerlemans J., Beekman F., Lavallée Y., Dingwell D., Békési E., Porkolàb K., Tesauro M., Lavecchia A., Botsyun S., **Muller V.**, Roure F., Serpelloni E., Matenco L., Castelltort S., Giovannelli D., Brovarone A.V., Malaspina N., Coletti G., Valla P., and Limberger J. (2023). Coupled surface to deep Earth processes: Perspectives from TOPO-EUROPE with an emphasis on climate-and energy-related societal challenges. *Global and Planetary Change*, 104140, doi.org/10.1016/j.gloplacha.2023.104140

Muller V.A.P., Sternai P., Sue C., Simon-Labric T., and Valla P.G. (2022). Climatic control on the location of continental volcanic arcs. *Scientific Reports* 12, 22167, doi.org/10.1038/s41598-022-26158-2

Muller V.A.P., Calderón M., Fosdick J.C., Ghiglione M.C., Cury L.F., Massonne H.-J., Fanning M.C., Warren C.J., Ramírez de Arellano C., and Sternai P. (2021). The closure of the Rocas Verdes Basin and early tectono-metamorphic evolution of the Magallanes Fold-and-Thrust Belt, southern Patagonian Andes (52–54 °S). *Tectonophysics* 798, 228686, doi.org/10.1016/j.tecto.2020.228686

Sternai P., **Muller V.A.P.**, Jolivet L., Garzanti E., Corti G., Pasquero C., Sembroni A., and Faccenna C. (2021). Effects of asthenospheric flow and orographic precipitation on continental rifting. *Tectonophysics* 820, 229120, doi.org/10.1016/j.tecto.2021.229120

CONFERENCE PAPERS

Muller V.A.P., Currie C., Beck S.L., Carrapa B.C., DeCelles P., Sternai P. (2026) Relative roles of slab age, convergence rate, upper plate thickness, and asymmetric erosion in Cordilleran-type orogens: insights from numerical modeling. GSA Connects 2026, Denver CO, USA, 11-14 Oct. 2026

Regan S., Hofmann F., Schmitz M., Waldien T., Gillis R., **Muller V.** (2026) Multi-phase petro- and thermochronology resolves a progressive kinematic transition during emplacement of the northern Coast Mountains batholith. GSA Connects 2026, Denver CO, USA, 11-14 Oct. 2026

Muller V.A.P., Carrapa B., Thomson S., DeCelles P., Ronemus C., Howlett C., Beck S.L. (2025). Exhumation of the Eastern Cordillera, NW Argentina: a record of competing river incision and fold-and-thrust belt propagation. GSA Connects 2025, San Antonio TX, USA, 18-22 Oct. 2025.

Muller V.A.P., Carrapa B., Beck S., Currie C., DeCelles P. (2025). Slab-mantle interactions and erosional controls on crustal thickening of the Central and Southern Andes: coupling numerical

modeling with geophysical and geological observations. GSA Connects 2025, San Antonio TX, USA, 18-22 Oct. 2025.

Stevens J., Carrapa B., Ibanez-Mejia M., **Muller V.A.P.**, Senger M., Fellin G., DeCelles P., DiGiulio A. (2025)**.** Testing Models of Collisional Magmatism: A Source-to-Sink Approach Applied to the Central Alps. GSA Connects 2025, San Antonio TX, USA, 18-22 Oct. 2025.

Muller V.A.P. (2025) How did the crust thicken in the Central and Southern Andes? Insights from geodynamic modeling. Workshop of the TANGO Project, Tucson AZ, USA, 22-25 Apr. 2025.

Muller V.A.P., Carrapa B., Thomson S., DeCelles P.G., Howlett C.J., Ronemus C. (2025). Dating the exhumation of the orographic barrier and deformation sequence of the Eastern Cordillera (25 °S), northwestern Argentina. GeoDaze 2025, Tucson AZ, USA, 27-29 Mar. 2025.

Padilla M., Ong I., Frenia L., McCraine W., Dhar N., Basler L., Foley A., Mascareno A., **Muller V.**, Ibañez-Mejia M. (2025). Timing and intensity of high-grade metamorphism in Adirondack Highlands Metagabbros. GeoDaze 2025, Tucson AZ, USA, 27-29 Mar. 2025.

Spiewak M., Wuertemburg A., Aqeel H., Doig P., Martin G., Obie R., Stevens J., Soto A., Ibañez-Mejia M., **Muller V.** (2025). Investigating the Grenville Orogeny in the Adirondack Lowlands in Northwest New York. GeoDaze 2025, Tucson AZ, USA, 27-29 Mar. 2025.

Muller V.A.P., Carrapa B., Beck S.L., Currie C., DeCelles P., Sternai P., Leon-Rios S., Comte D., and Porter R.C. (2024). Tectonic shortening vs. mantle dynamic control on the topography and foreland basin subsidence of the Central and Southern Andes using numerical modeling. *AGU24*, Washington D.C., USA, 9-13 Dec. 2024,agu.confex.com/agu/agu24/meetingapp.cgi/Paper/1626819

Beck S.L., Bradford J., Mahanti S.S., Howlett C., Ronemus C., Bowman E., Kiser E., Porter R.C., Comte D., Roecker S.W., Leon-Rios S., Saez M., Ortiz G., Orosco L., Carrapa B., DeCelles P.G., Ducea M., Tauber S., Fernandez M., Trad S., Navarro-Aranguiz A.P., Reyes-Wagner V., Rodriguez E.E., Currie C., **Muller V.**, Albarracin F., Maharaj A., Dunham A., Giambiagi L., Fuentes F., Tunik M., Alonso R.N., Viramonte J.G., Peralta C., and Aguiar M. (2024). The Tale of Two Mountain Belts along the Andes in South America. *AGU24*, Washington D.C., U.S.A., 9-13 Dec. 2024 agu.confex.com/agu/agu24/meetingapp.cgi/Paper/1633574

Ronemus C., Suriana J., Howlett C.J., and **Muller V.A.P.** (2024). The nature of unconformities in the southern Central Andean foreland basin: Constraints from newly described Eocene–Miocene deposits at ~31.75 °S. *XIX Reunión de Tectónica*, San Juan, Argentina, 12 – 14 Jun 2024

Ostorero L., Sternai P., Esposito R., Bouilhol P., **Muller V.**, Malaspina N., Tumiati S., Ballato P., Zhang Z., Ji W.-Q., Dai J., and Frezzotti M.L. (2024). Quantification of the pre-eruptive CO2 budget of Neo-Tethyan magmas and their forcing on Early Cenozoic global climate, *EGU General Assembly 2024*, Vienna, Austria, 14–19 Apr 2024, EGU24-777, doi.org/10.5194/egusphere-egu24-777

Muller V.A.P., Sternai P., Sue C., Valla P., Simon-Labric T., Gautheron C., Cuffey K., Grujic D., Bernet M., Ghiglione M., Herman F., and Braun J. (2023). Asthenospheric upwelling and glacial cycles forcing the uplift and exhumation of the Patagonian Andes: short and long-term effects. *TOPO-EUROPE workshop 2023,* Sopron, Hungary, 28–30 Sep 2023

Muller V.A.P., Sternai P., Sue C., Valla P., and Simon-Labric T. (2023). Climatic control on the location of continental volcanic arcs. *EGU General Assembly 2023*, Vienna, Austria, 24–28 Apr 2023, EGU23-288, doi.org/10.5194/egusphere-egu23-288

Muller V.A.P., Sue C. Valla P., Sternai P., Simon-Labric T., Baumgartner L., Gautheron C., Grujic D., and Shuster D (2022). Exhumation response to climate and geodynamic forcing in the Southern Patagonian Andes and analogies with the Western Alps. *6th AlpArray & 4DMB Scientific Meeting,* Prague, Czech Republic, 12–14 Oct 2022

Muller V.A.P., Sue C., Valla P., Sternai P., Simon-Labric T., Martinod J., Ghiglione M., Baumgartner L., Herman F., Reiners P., Gautheron C., Grujic D., Shuster D., and Braun J. (2022). Exhumation response to climate and tectonic forcing in the southern Patagonian Andes (Torres del Paine and Fitz

Roy plutonic complexes). *15th Emile Argand Conference on Alpine Geological Studies*, Ljubljana, Slovenia, 12–14 Sep 2022, doi.org/10.5194/egusphere-alpshop2022-4

Muller V.A.P., Sue C. Valla P., Sternai P., Simon-Labric T., Martinod J., Ghiglione M., Baumgartner L., Herman F., Reiners P., Gautheron C., Grujic D., Shuster D., and Braun J. (2022). Exhumation signals and forcing mechanisms in the Southern Patagonian Andes (Torres del Paine and Fitz Roy plutonic complexes). *EGU General Assembly 2022*, Vienna, Austria, 23–27 May 2022, EGU22-226, doi.org/10.5194/egusphere-egu22-226

Muller V.A.P., Calderón M., Cury L., Sternai P., and Sue C. (2022). Geochemistry of igneous rocks from Seno Cóndor and Canal Gajardo, Southern Patagonia (52.5-53.5°s): Rocas Verdes Ophiolites or not? *XXI Congreso Geológico Argentino*, Puerto Madryn, Argentina, 14–18 Mar 2022

Muller V.A.P., Sternai P., and Sue C. (2021). Latitudinal climate gradient co-determine the location of the Southern Andes volcanic arc. *Réunion des Sciences de la Terre*, Lyon, France, 01–05 Nov 2021

Muller V.A.P., Calderón M., Fosdick J., Ghiglione M., Warren C., Massonne H.-J., Fanning M., Cury L., Sternai P., and Ramírez de Arellano C. (2021). The Eastern Tobífera Thrust: an important accommodation structure for the closure of the Rocas Verdes Basin, Patagonian Andes (52-54° S). *Réunion des Sciences de la Terre*, Lyon, France, 01–05 Nov 2021

Sternai P., Corti G., Garzanti E., and **Muller V.A.P.** (2021). Orographic precipitations control the structural and magmatic evolution of continental rifts: the East African Rift System. *Réunion des Sciences de la Terre*, Lyon, France, 01–05 Nov 2021

Muller V.A.P., Sternai P., and Sue C. (2021). Climatic control on the Southern Andean volcanic arc location. *EGU General Assembly 2021*, online, 19–30 Apr 2021, EGU21-591, doi.org/10.5194/egusphere-egu21-591

Muller V.A.P., Sternai P., and Sue C. (2021). The role of the asthenospheric window and deglaciation on the present-day uplift of the southern Patagonian Andes. *90° Congresso della Società Geologica Italiana*, Trieste, Italy, 13–17 Sep 2021

Muller V.A.P., Calderón M., and Cury L.F. (2018). Low grade metamorphism and deformation in the suture of the Rocas Verdes Basin at Seno Otway and Seno Skyring region, Southern Patagonian Andes (52-54°S). *XV Congreso Geológico Chileno*, Concepción, Chile, 18–23 Nov 2018, doi.org/10.13140/RG.2.2.22094.20809

Calderón M., Ramírez de Arellano C., Fosdick J., Ghiglione M., Stevens Goddad A., **Muller V.A.P.**, Torres F., and Rojo D. (2018). New field and petrological constraints on the tectonic emplacement of ophiolites in southern Patagonia (52.5-53.5°S). *XV Congreso Geológico Chileno*, Concepción, Chile, 18–23 Nov 2018

Muller V.A.P., Calderón M., and Cury L.F. (2018). Hinterland development of Magallanes fold and thrust belt: brittle-ductile deformation during the closure of the Rocas Verdes Basin in Southern Patagonia. *49° Congresso Brasileiro de Geologia*, Rio de Janeiro, Brazil, 20–24 Aug 2018

Dias I., **Muller V.A.P.**, Titon B.G., and Bahniuk A. (2018). Precipitação de argilominerais em lagoas alcalinas no leste da Baixa Nhecolândia – Pantanal Sul-Mato-Grossense. *49° Congresso Brasileiro de Geologia*, Rio de Janeiro, Brazil, 20–24 Aug 2018

Muller V.A.P., Cury L.F., and Fedalto G. (2016). Caracterização Estrutural e Metamórfica da porção sul da região do Perau, Adrianópolis (PR): estudo das fases de deformação no contexto geotectônico regional. *48° Congresso Brasileiro de Geologia*, Porto Alegre, Brazil, 9–13 Oct 2016

Muller V.A.P., Barros C.E.M., and Pinto-Coelho C.V. (2014). Petrografia e Litogeoquímica dos ortognaisses da Pedreira Central, Campo Largo – PR : representantes do Complexo Atuba na Microplaca Curitiba. *47° Congresso Brasileiro de Geologia*, Salvador, Brazil, 21 – 26 Sep 2014

GRANTS AND AWARDS

Aug/2026 **URSA AY2026-27 Mentor Award, PI, UAF - $5950:** *Understanding the tectonic evolution of the Brooks Range and its relationships to Cu mineralization.*

2021/2022 **Erasmus+ PhD Program** (European Union): scholarship to study abroad, University of Grenoble Alps, France

2014/2015 **Science without Borders**, CNPq (Brazil): scholarship to study abroad, University of Salamanca, Spain

TEACHING

Spring/2025 **Instructor of record "GEOS 496-596 Hands-on Geochronology"**, co-teaching with Prof. Mauricio Ibañez-Mejia, Undergraduate and Graduate level, Dept. of Geosciences, University of Arizona, USA. This class included a "**Teaching as Research**" project about timing of the Grenville orogeny in northeastern USA. The co-teaching project was part of the **CIRTL (Center for the Integration of Research, Teaching, and Learning) Postdoc Pathways Program**, University of Arizona, USA.

Spring/2022 **Teaching Assistant "Introduction to Petrography"**, Bachelor in Geology, UNIMIB, Italy. Responsible Prof. Nadia Malaspina

Summer/2022 **Teaching Assistant "Field Geology and Mapping"** Bachelor in Geology, UNIMIB, Italy. Responsible Prof. Pietro Sternai

Spring/2021 **Teaching Assistant "Introduction to Petrography"** Bachelor in Geology, UNIMIB, Italy. Responsible Prof. Nadia Malaspina

Spring/2018 **Teaching Assistant "Metamorphic Petrology"**, Bachelor in Geology, UFPR, Brazil. Responsible Prof. Carlos Eduardo de M. Barros

Spring/2019 **Instructor "Geologic Sections using the software Adobe Illustrator",** short course of the Geology Week, UFPR, Curitiba, Brazil

Spring/2016 **Instructor "Photoshop for Geology"**, short course for the group PET Geologia, UFPR, Curitiba, Brazil

STUDENT MENTORSHIP

Fall 2026-pres. Eli Ludwig and Margo Bradberry, undergraduate researchers, UAF, URSA-funded

INVITED TALKS

Sep/2026 **"Tectonic and climate controls on the growth of the Andes: linking data and models"** Earth System Science Friday seminar, Department of Geosciences, UAF, September 2026, Fairbanks, AK, USA

Jan/2026 **"Tectonic and climate controls on the growth of the Andes: linking data and models"** Department of Earth, Planetary, and Space Sciences Colloquium Talk at UCLA, January 2026, Los Angeles, CA, USA

Oct/2025 **"Exhumation of the Eastern Cordillera, NW Argentina: a record of competing fold-and-thrust belt propagation and river incision"** at Session T36 "Building the South American Cordillera, Paleozoic to Recent: Insights from Geo-Thermochronology", *GSA Connects 2025*, 19-22 October 2025, San Antonio, TX, USA.

Sep/2025 **"Tectonics, erosion, and the making of mountains: insights from Patagonia",** Department of Geosciences Colloquium Talk at the University of Arizona, September 2025, Tucson, AZ, USA.

May/2025 **"Deciphering tectonic and surface processes in Cordilleran-type orogenic systems"** at the Department of Geosciences, University of Alaska Fairbanks, May 2025, Fairbanks, AK, USA.

May/2025 **"The effects of surface processes on the structure of active orogens"** at the Department of Geosciences, University of Alaska Fairbanks, May 2025, Fairbanks, AK, USA.

Dec/2022 **"Topographic and magmatic responses to climate and geodynamic changes, examples from the Southern Andes and analogies with the European Alps**" at the "Tectonics and Sedimentary System Seminar", Department of Earth Sciences, Institute of Geological Sciences, Freie Universität Berlin, December 2022, Berlin, Germany.

SUMMER SCHOOLS AND SHORT COURSES

Jun/2025 "**Teaching Structural Geology using linear algebra and computing**" taught by Prof. Sarah Titus and Prof. Joshua Davis at the University of Wisconsin, USA

Jun/2025 "**Application of StraboSpot in the field, Duluth – Minnesota**", taught by Prof. Basil Tikoff at the University of Wisconsin, USA

Jun/2025 "**Geometric Statistics for Geologists**" taught by Prof. Richard Allmendinger at the University of Wisconsin, USA

Oct/2023 "**Dynamics and Sedimentary Systems of Collisional Zones**", Summer School organized by Dr. Chiara Amadori at the University of Pavia, Italy

Jun/2022 "**Young Researchers School in Structural Geology and Tectonics (YORSGET)**" taught by Prof. Robert Buttler, organized by Prof. Rosanna Maniscalco at the University of Catania, Italy

Oct/2021 "**MEREMA Summer School on Mantle Dynamics**" organized by Prof. Elisabetta Rampone and Prof. Nadia Malaspina at the University of Genova, Italy

Sep/2021 "**DEPThS: Summer school on subduction forearc dynamics**" organized by Prof. Marco Malusa' at the University of Milano-Bicocca, Italy with fieldtrip to the Western Alps

Oct/2016 "**Compressive Tectonics at shallow crustal levels**" at the 48° Brazilian Congress of Geology, Porto Alegre, Brazil

RESEARCH FIELD WORK

Aug/2026 **Brooks Range, Arctic Alaska:** field mapping and sample collection across the Dalton Highway, AK

Jul/2026 **Southeast Alaska:** field mapping and sample collection near Juneau, AK

Mar/2024 **Central Andes, NW Argentina:** regional geology in the Altiplano-Puna Plateau, Eastern Cordillera, Sierras Pampeanas, and Manantiales Basin, Argentina. TANGO Project, University of Arizona.

Jun/2021 **French Alps:** GPS installation in the Massif des Écrins and Massif du Queyras, France. ISTerre, UGA.

Sep/2021 **Western Sicily:** sampling in the Messinian sedimentary sequence of Eraclea Minoa, Italy. MATRICs Project, UNIMIB.

Nov/2018, Oct/2017 **Torres del Paine National Park:** sampling in Lago Sarmiento and Laguna Amarga, Patagonia, Chile. Microbial Project, LAMIR Institute, UFPR

Nov/2018, Oct/2017 **Pali-Aike Volcanic Field:** sampling in Laguna Timone, Patagonia, Chile. Microbial Project, LAMIR Institute, UFPR.

Oct/2017 **Chilean Patagonian Andes:** regional geology in the Rocas Verdes Basin and Magallanes fold-and-thrust belt, Chile. CONYCET, Universidad Andres Bello.

2015-2016 **Southern Ribeira Belt:** regional geology in the Perau Complex and Capiru Fm., Parana, Brazil. LAMIR Institute, UFPR, Brazil

ACADEMIC SERVICE

Sep/2026 Peer review to ***Journal of the Geological Society***

Aug/2026 Peer review to ***Tectonics***

Jun/2026 Peer review to ***Geological Society of America Bulletin***

Mar/2026 Judge of best Tectonics poster and oral presentation at ***GeoDaze 2026***, University of Arizona, Tucson 26-27 March 2026

Mar/2026 Peer review to ***Tectonics***

Feb/2026 Peer review to ***Journal of Geophysical Research: Solid Earth***

Oct/2025 Chair of session "***T216 Exploring Feedbacks Between Tectonics and Climate on Lithospheric Evolution Using Multidisciplinary Approaches***", *GSA Connects 2025,* San Antonio 19-22 October 2025

Oct/2025 Poster evaluator for the ***ACS Student Presentation Competition***, *GSA Connects 2025,* San Antonio 19-22 October 2025

Oct/2025	Peer review to ***Andean Geology***
Oct/2025	Peer review to ***Journal of Geophysical Research, Solid Earth***
Sep/2025	Peer review to ***Geological Society of America Bulletin***
May/2025	Peer review to ***Global and Planetary Change***
Dec/2024	Chair of session "***T51B From the Surface to the Mantle: Integrating Geophysical, Seismological, and Tectonics Perspectives Along the South American Margin I Poster***" *AGU24,* Washington D.C. 9-13 December 2024
Dec/2024	Chair of session "***T53D From the Surface to the Mantle: Integrating Geophysical, Seismological, and Tectonics Perspectives Along the South American Margin II Oral***" *AGU24*, Washington D.C. 9-13 December 2024
Aug/2024	Peer review to ***Tectonics***
Jun/2024	Peer review to ***EGU Solid Earth***
May/2024	Peer review to ***Evolving Earth***
Feb/2024	Peer review to ***Geosphere***
Oct/2023	Peer review to ***Lithos***
Jun/2023	Peer review to ***Journal of the Geological Society of London***
2019	Directorship of the ***UFPR AAPG Student Chapter***, Curitiba, Brazil

OUTREACH

2024-2025	Co-chair of the Outreach working group of the **COST Action "Pan-European Biogeodynamics network (EUROBIG)"**. Promote the development of Biogeodynamics as a discipline in Europe and worldwide
May/2012–Aug/2014	**Tutorial Education Program (PET), Project Rock over Rock: constructing the knowledge in Geosciences,** UFPR, Brazil. Promotion of Geosciences to elementary, middle, and high school students; organization of the "Geology week" at UFPR; participation in outreach conferences; discussions among geology, geography and engineering students.

SOFTWARE SKILLS

Programming & HPC: MATLAB, Bash, SLURM/SSH
GIS & structural geology: ArcGIS/QGIS, StraboSpot, OpenStereo
Thermal/geodynamic modeling: QTQt, HeFTy, PeCube, I2VIS
Thermodynamic modeling: Perple_X
Graphics: Illustrator, Photoshop

LANGUAGES

English	Fluent speaking and writing, C1 Erasmus assessment, 2022
Spanish	Fluent speaking and writing, B2 DELE, 2017
French	Advanced speaking and writing, B1 CUEF de Grenoble UGA, 2021
Italian	Fluent speaking and writing
Portuguese	Native Brazilian Portuguese