

Personal Details

Birth 23th of July, 1992 — Aracaju, Brazil
Languages Portuguese (native), English (fluent), Spanish (intermediate), German (intermediate)
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Education

Academic Degrees

2020–2024 **Doctor in Mathematics**, advised by Prof. Christoph Böhm, University of Münster, Germany.
2018–2020 **Master of Mathematics**, Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, Brazil.
2015–2018 **Bachelor of Mathematics**, University of Brasília, Brazil.

Complementary Education

2016–2018 **Programa de Ensino Tutorial - Matemática**, (*Undergraduate program for the initiation to research in mathematics, teaching assistance and outreach*)
University of Brasília, Brazil.

List of preprints and publications

Finite extinction time of a family of homogeneous Ricci flows, accepted by *Mathematische Zeitschrift* (2026), <https://arxiv.org/abs/2507.05097>

Long-time behavior of awesome homogeneous Ricci flows, *Pacific Journal of Mathematics* 331-2 (2024), 187–215, <https://doi.org/10.2140/pjm.2024.331.187>

On the isometry group of immortal homogeneous Ricci flows, *The Journal of Geometric Analysis*, vol. 34, no. 173 (2024), <https://doi.org/10.1007/s12220-024-01609-6>

Scholarships and Employment

Jan 2025 **Visiting Researcher**, invited by Luis Florit, Institute for Pure and Applied Mathematics (IMPA), Rio de Janeiro, Brazil
2024–Present **Adiunkt (Postdoc)**, Institute of Mathematics of the Polish Academy of Sciences (IMPAN), Warsaw, Poland.
2020–2024 **Employed as Wissenschaftlicher Mitarbeiter for my doctoral studies**, as part of the Cluster of Excellence Mathematics Münster, University of Münster.
2018–2020 **Full CNPq scholarship for pursuing a Master's studies in Mathematics**, Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, Brazil.
2016–2018 **CAPES scholarship for participating in the Programa de Ensino Tutorial - Matemática**, University of Brasília, Brazil.

Conferences and Seminars

- 2025 **Short talk**, *Symmetry and Shape*, Santiago de Compostela, Spain.
- 2025 **Speaker**, *Differential Geometry Seminar*, Institute of Mathematics of the Polish Academy of Sciences (IM PAN), Warsaw, Poland.
- 2025 **Short talk**, *Workshop "Complex Geometry and Lie Groups"*, Osaka, Japan.
- 2025 **Speaker**, *Differential Geometry Seminar*, Instituto de Matemática Pura e Aplicada (IMPA), Brazil.
- 2024 **Speaker**, *Differential Geometry Seminar*, University of São Paulo, Brazil.
- 2024 **Attendee**, *Séminaire de Mathématiques Supérieures - Flows and Variational Methods in Riemannian and Complex Geometry: Classical and Modern Methods*, Montreal, Canada.
- 2024 **Short talk**, *Symmetry and Geometry in South Florida*, Miami, USA.
- 2024 **Speaker**, *Oberseminar Geometric Analysis, Differential Geometry and Relativity Theory*, University of Tübingen, Germany.
- 2022–2023 **Organizer**, *Graduate Seminar on Differential Geometry*, University of Münster, Germany
- 2023 **Attendee**, *Workshop on Curvature and Global Shape*, Münster, Germany.
- 2023 **Attendee**, *Workshop on Geometric Flows and Applications*, Edinburgh, Scotland.
- 2023 **Attendee**, *Banach Center – Oberwolfach Graduate Seminar: Geometry and Topology of Compact Homogeneous Spaces*, Bedlewo, Poland.
- 2023 **Poster presented**, *Summer school: Geometric Analysis and PDEs*, Chęciny, Poland.
- 2022 **Poster presented**, *Virtual ICM Satellite Conference Differential Geometry and its Applications*, Hradec Králové, Czech Republic.
- 2022 **Attendee**, *Geometrie*, Oberwolfach Workshop, MFO, Oberwolfach-Walke, Germany.
- 2022 **Short talk**, *Young Women in Geometric Analysis*, Bonn, Germany.
- 2021 **Poster presented**, *Workshop on Curvature and Global Shape*, Münster, Germany.
- 2018 **Attendee**, *International Congress of Mathematicians - ICM*, Rio de Janeiro, Brazil.
- 2018 **Local organizer**, *XI Congresso Grupo de Análisis Funcional y Ecuaciones de Evolución (GAFEVOL)*, Brasília, Brazil.

Awards and Honors

- 2020 **Travel grant**, *to participate in the 8th Heidelberg Laureate Forum*.

Teaching Experience

- 2022 **Teaching Assistant**, *Lie groups*, master's program in mathematics, University of Münster, Germany.
- 2018 **Undergraduate Teaching Assistant**, *Introduction to Measure and Integration Theory*, University of Brasília, Brazil.
- 2017 **Undergraduate Teaching Assistant**, *Geometry I*, University of Brasília, Brazil.