



# José Miguel Balado-Alves

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[balado-alves.github.io](https://github.com/balado-alves)

## EDUCATION

### Ph.D. in Mathematics

University of Münster

- Supervisor: Anna Siffert

Oct. 2022 – XXX

Münster, Germany

### Master's Degree in Mathematics

University of Santiago de Compostela

- Thesis: Variedades de Riemann isocurvadas (in Spanish). Grade: 10/10
- Supervisor: Eduardo García-Río

Sep. 2020 – July 2021

Santiago de Compostela, Spain

### Bachelor's Degree in Mathematics

University of Santiago de Compostela

- Thesis: Derivadas de Lie: Transformaciones infinitesimales (in Spanish). Grade: 10/10
- Supervisor: Eduardo García-Río

Sep. 2016 – July 2020

Santiago de Compostela, Spain

## PUBLICATIONS

- [1] J. M. Balado-Alves. "Explicit harmonic self-maps of complex projective spaces". In: *The Journal of Geometric Analysis* 34.1 (2024), p. 21.
- [2] J. M. Balado-Alves and A. Siffert. "Construction of  $r$ -harmonic submanifolds in spheres". In: *arXiv preprint arXiv:2404.02535* (2024).
- [3] J. M. Balado-Alves. "Polyharmonic hypersurfaces into complex space forms". In: *arXiv preprint arXiv:2310.14452* (2023).
- [4] J. M. Balado-Alves. "Variedades de Riemann isocurvadas". In: *Publications of the Department of Geometry and Topology, University of Santiago de Compostela*. 152 (2022).

## SELECTED TALKS

### "Critical submanifolds of higher order energy functionals"

Seminar, University of Cagliari (Italy)

February 2024

### "Explicit harmonic self-maps of complex projective spaces"

Differential Geometry Workshop, University of Iași (Romania)

September 2023

### "Recíproco del Teorema Egregium"

Seminar, University of Santiago de Compostela (Spain)

April 2021

## SCHOLARSHIPS AND AWARDS

### "Mellores expedientes"

Award to the bests academic records from University of Santiago de Compostela

2016

### Summer School in Dublin, Ireland

Grant awarded to pay for an intensive course on Irish culture and language

2018

## RESEARCH VISITS

University of Cagliari

February 2024

## TEACHING EXPERIENCE

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### **Co-supervisor of Manuel Stasius's Bachelorarbeit**

Bachelor thesis about "Minimal Surfaces"

Winter Semester 2023

University of Münster

### **Assistant for "Ricci FLOW"**

Seminar

Summer Semester 2024

University of Münster

### **Assistant for "Submanifold theory"**

Seminar

Summer Semester 2024

University of Münster

## LANGUAGES

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**Spanish and Galician: Native**

**English: Advanced (C1)**

**German: Beginner (A2)**

## ORGANIZER OF

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### **Differential Geometry Seminar**

Local seminar for Ph.D. students

Winter Semester 2023

University of Münster

### **Differential Geometry Seminar**

Local seminar for Ph.D. students

Summer Semester 2024

University of Münster

## OUTREACH

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### **Outreach talk for kids with ADHD**

"¿Para qué sirven las matemáticas?"

October 2020

INGADA Foundation