Jhixon **Macías**

Contact

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- ℝᴳ Research Gate: Jhixon Macías
- 🆔 ORCID: 0000-0002-9353-5850
- SC Scopus ID: 57224728340 (Affiliation: ESPOL)
- G Scholar Google: Jhixon Steven Macías García

Languages

- ▸ Spanish - Native Language
- ▸ English - Professional Knowledge

✹ Awards

- Gold badge from ESPOL (2022): Research Merit - Indexed Article Publication.
- Badge from ESPOL (2022): Research Merit - Orientation to Scientific Research.
- Bronze Medal in the Ecuadorian National Mathematical Olympiad 2022 Edition.
- Scientific Merit Scholarship awarded by ESPOL (PAO I-2022).
- Scientific Merit Scholarship awarded by ESPOL (PAO II-2021).
- Silver Honour-Top 7% in the International Youth Math Challenge 2021 Edition.
- Bronze Medal in the Ecuadorian National Mathematical Olympiad 2021 Edition.
- Bronze Medal in the Ecuadorian National Mathematical Olympiad 2020 Edition.

Skills

- **Office Automation:** LaTeX, MS Office (Excel, Word, PowerPoint).
- **Programming Languages:** Python

🎓 EDUCATION

2017-2022

Bachelor of Science   📍 Guayaquil, Ecuador
Escuela Superior Politécnica del Litoral (ESPOL)
Mathematics

2023-acte.

Master of Science   📍 Mayagüez, Puerto Rico
University of Puerto Rico at Mayagüez (UPRM)
Mathematics

💼 EXPERIENCE

2023-2024.

Precalculus professor   📍 Mayagüez, Puerto Rico
UPRM

2023-2023.

Consultant   📍 Guayaquil, Ecuador
MARDIS

2022-2022

Researcher in mathematics   📍 Guayaquil, Ecuador
ESPOL

2022-2022

Teaching Assistant: Linear Algebra II   📍 Guayaquil, Ecuador
ESPOL

2020-2021

Teaching Assistant: Fundamentals of Optimization   📍 Guayaquil, Ecuador
ESPOL

📖 SELECTED PUBLICATIONS

Journal Article
2024

A topological proof of the fundamental theorem of arithmetic, Macías, J., *accepted in The Mathematics Student*, 🆔

Journal Article
2024

Another topological proof of the infinitude of prime numbers, Macías, J., *Integers*, 🆔 10.5281/zenodo.11221653

Journal Article
2023

On semi-continuous and Clisquish functions in generalized topological spaces, Aponte, E.; Vadakasi, S.; Macías, J. and Muthumari K., *Axioms*, 🆔 10.3390/axioms12020130

Journal Article
2021

B-Fredholm spectra of Drazin invertible operators and applications., Aponte, E., Macías, J., Sanabria, J., and Soto, J., *Axioms, 10(2), 111.*, 🆔 10.3390/axioms10020111

Journal Article
2020

Further characterizations of property (VII) and some applications., Aponte, E., Macías, J., Sanabria, J., and Soto, J., *Proyecciones (Antofagasta), 39(6), 1435-1456.*, 🆔 10.22199/issn.0717-6279-2020-06-0088

👥 References

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Phd. José Xavier Cabezas García

- ✉ joxacabe@espol.edu.ec

Phd. Reyes Matiel Ortiz Albino

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