

# Roberto Turibio E. K. Martins

Guarulhos, SP – Brazil

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## Education

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### University of São Paulo (USP)

*M.Sc. in Physics*

São Paulo, Brazil

2026 – present

### Federal Institute of São Paulo (IFSP)

*B.Sc. in Physics Education*

São Paulo, Brazil

2021 – 2025

GPA: 8.24/10

## Certification

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### SENAI Anchieta

*Electronics Technician (Auxiliary)*

São Paulo, Brazil

2024

Workload: 80 h

### American Chemical Society

*Scientific Writing and Communication*

Online

2023

Workload: 4 h

## Research Experience

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### University of São Paulo (USP)

*M.Sc. Research Fellow*

São Paulo, Brazil

2026 – present

FAPESP Fellowship (#2025/26960-8). *Study of phototransfer and thermally assisted mechanisms in potassium feldspars.*

### Technical University of Denmark (DTU)

*Visiting Research Student*

Roskilde, Denmark

Apr. 2024

FAPESP-BEPE Fellowship (#2024/00890-0). *Time-resolved optically stimulated luminescence of amazonite.*

### University of São Paulo (USP)

*Undergraduate Research Fellow*

São Paulo, Brazil

2022 – 2025

FAPESP-IC Fellowship (#2022/07200-4). *Optical and thermoluminescence properties of Brazilian amazonite.*

### Federal Institute of São Paulo (IFSP)

*Undergraduate Research Fellow*

São Paulo, Brazil

2021 – 2022

PIBIC Fellowship. *Thermoluminescence investigation of minerals from southern Minas Gerais.*

## Technical Skills

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**Languages:** Portuguese (native), English (C1), Spanish (B1)

**Programming:** Python, R, C/C++, LabVIEW

**Scientific Software:** HighScore Plus, VESTA

**Techniques:** XRD, XRF, FTIR, Raman, UV–Vis spectroscopy, TL and OSL

## Awards

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- Bernhard Gross Award — XXI B-MRS Meeting (2023), Brazilian Materials Research Society.
- Honorable Mention for Best Poster — AM-BSF 2023, Brazilian Physical Society.

## Find me

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[LinkedIn](#) • [Lattes ID](#) (brazilian C.V.) • [Google Scholar](#) • [Research Gate](#) • [GitHub](#)

## Publications

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- [1] R. Martins, E. Yoshimura, and N. Trindade, "Optically stimulated luminescence of amazonite using linear modulated technique," *Journal of Luminescence*, vol. 289, p. 121610, 2026, issn: 0022-2313. doi: <https://doi.org/10.1016/j.jlumin.2025.121610> [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0022231325005502>
- [2] R. Martins, R. Kunzel, C. Ulsen, E. Yoshimura, and N. Trindade, "Structural, optical and thermoluminescence properties of amazonite," *Radiation Physics and Chemistry*, vol. 223, p. 111947, 2024, issn: 0969-806X. doi: <https://doi.org/10.1016/j.radphyschem.2024.111947> [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0969806X24004390>
- [3] R. Martins et al., "Thermoluminescence of rose quartz from minas gerais, brazil," *Radiation Physics and Chemistry*, vol. 209, p. 110960, 2023, issn: 0969-806X. doi: <https://doi.org/10.1016/j.radphyschem.2023.110960> [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0969806X23002050>