



Ana Suzana

**Chemical Sciences and Engineering
Division**

Argonne National Laboratory

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Current Position

- *Assistant Scientist (October 2022-present)*
Argonne National Laboratory – Chemical Sciences and Engineering Division – Interfacial Processes Group (Lemont, IL, USA)

Education & Employment History

- *Postdoctoral fellow (October 2019-October 2022)*
Brookhaven National Laboratory – Condensed Matter Physics & Materials Science – X-ray Scattering Group (Upton, NY, USA)
- *Ph.D. in Physicochemistry (March 2015 - March 2019)*
São Paulo State University Júlio de Mesquita Filho (UNESP) – Institute of Chemistry (Araraquara, São Paulo, Brazil) and Brazilian Synchrotron National Laboratory (LNLS)/SIRIUS
- *M.Sc. in Physicochemistry (March 2013 - March 2015)*
São Paulo State University Júlio de Mesquita Filho (UNESP) – Institute of Chemistry (Araraquara, São Paulo, Brazil)
- *B. S. in Chemistry (March 2008 - December 2012)*
São Paulo State University Júlio de Mesquita Filho (UNESP) – Institute of Chemistry (Araraquara, São Paulo, Brazil)

Honors & Activities

- Member, Advanced Photon Source Proposal Review Panel for Scattering - Chem/Bio/Environmental (2025-present)
- Workshop Organizer: “X-ray Diffraction Coherent Techniques Applied to Chemistry and Materials Science” for the 2025 Advanced Photon Source Users Meeting (May 5-9, 2025)
- Member, Chemical Sciences and Engineering Division strategic community planning (2024)
- Award for Best Oral Presentation, International Conference on Novel Nanomaterial: Engineering and properties, ICON2017 (2017)
- Volunteer chemistry teacher, preparatory school “TRIUI” (2015-2016)
- Organizing committee member, “Chemistry event education” (2011)

Interests

- Geochemistry
- Surface chemistry
- Bragg Coherent Diffraction Imaging (BCDI) and Coherent derived techniques
- Nanoparticle's synthesis and properties
- In situ and Operando diffraction measurements and data analysis

Ideas for Advocacy for the User Community

Many users have experienced challenges in the proposal review process due to reviewers lacking expertise in the specific scientific area of the proposal. This can lead to unfair evaluations, missed opportunities for groundbreaking research, and frustration within the user community. I will advocate for a proposal review process that prioritizes expertise, fairness, and transparency. By matching proposals with reviewers who truly understand the science, we can unlock the full potential of APS and empower our user community to achieve groundbreaking discoveries.

As a representative of the APS user community, I aim to foster collaboration, knowledge sharing, and skill development among researchers and users. One of my key initiatives will be to organize workshops focused on coherence - a topic of growing importance in advanced photon science. By enhancing our collective understanding of coherence and its practical implications, we can unlock new opportunities for innovation and discovery. I have already taken the first steps toward this initiative by organizing a workshop on coherence for the 2025 APS Users Meeting. This workshop will serve as a pilot event to engage the community, identify key areas of interest, and establish a foundation for future workshops. By building on the success of this initial effort, I plan to expand the scope of these workshops to ensure sustained impact and engagement.