



Genaro Suárez

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Genaro Suárez (March 19, 2026)

Research Interests: Brown dwarf and giant exoplanet atmospheres, star and brown dwarf formation, initial mass function.

Research Experience

2022 – present: Postdoctoral Fellow (AMNH/USA)

2019 – 2022: Postdoctoral Fellow (UWO/Canada)

2015 – 2019: PhD Student (UNAM/Mexico)

Education

2015 – 2019, Doctor in Science (Astrophysics)

Universidad Nacional Autónoma de México

Graduated with honors

Grants and Fellowships

Total amount of USD \approx 780 k awarded from grants and fellowships (710 k from JWST and 68 k from other institutions) ([PDF](#)).

Publications ([PDF](#) [ADS](#) [ORCID](#) [Google Scholar](#) [Scopus](#) [Zotero](#))

65 publications in peer-reviewed journals

(9 first-author, 9 second/third-author, and 49 co-author)

Selected paper and collaboration:

- Faherty, Burningham, Gagné, **Suárez et al.** 2024, *Nature*, 628, 511
- **Suárez, G.** & Metchev, S. 2022, *MNRAS*, 513, 5701
- Kounkel, M., Covey, K. R., **Suárez, G.**, et al. 2018, *AJ*, 156, 84
- [Ultracool Dwarfs Observed with the Spitzer Infrared Spectrograph](#)

Awards and Honors (selected ones)

2021: **Best PhD Thesis in Astronomy in Mexico in 2019 and 2020**

2019 and 2015: Award “Premio Paris Pişmiş” by UNAM

Research Talks and Posters ([PDF](#)) ([PDF](#))

- Forty-two research talks (20 invited presentations) at national and international conferences and seminars ([PDF](#)).

- Participation in over 50 academic events (conferences, workshops, summer schools, and congresses.)

Mentoring and Teaching

- Supervisor/co-supervisor of 2 graduate, 7 undergraduate, and 12 high-school students ([PDF](#)).

- Lectured graduate-level courses at Columbia University and UNAM on Brown Dwarfs, Gas Giants, and the IMF, and instructor of workshops on data analysis, programming, and stellar astrophysics ([PDF](#)).

Science Communication

Participation in 73 outreach, community engagement, and media initiatives ([PDF](#)).

Active Memberships

- Member of 17 JWST Cycle 1–4 programs.

- Member of the American Astronomical Society (AAS).

- Member of the NASA’s Backyard Worlds: Planet 9 citizen science project.

Technical Skills

- Developer of the [SEDA](#) python package.

- Skilled in PYTHON, Jupyter Notebooks, Git, Github, IDL, IRAF, DS9, TOPCAT, STILTS, VOSA, Vizier, Overleaf, \LaTeX , Linux, UNIX commands, Vi/Vim, JWST pipeline

Academic Service

Reviewer/referee for:

- NASA XRP
- AAS papers (5)
- A&A papers (3)
- RMxAA papers (1)
- JWST Cycles 3–4
- Gemini Telescope
- CFHT

Languages

- Spanish (native)
- English (fluent)