

# HARSHITHA MYSORE PARASHIVAMURTHY

Department of Astronomy | Faculty of Physical Sciences and Mathematics, University of Chile, Santiago.  
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**Research Interests:** Exoplanet demographics; exoplanet radius valley; planet formation and evolution.

## EDUCATION

### University of Chile

*PhD Candidate, Astronomy*

Thesis: Super-Earths around Super-Small Stars.

Expected Graduation: July 2026

Advisors: Gijs D. Mulders & Simón Casassus

### University of Bangalore

*M.Sc., Physics*

Graduated: June 2019

Cumulative GPA: 7.03/10

### The National Degree College

*B.Sc., Physics, Mathematics, & Computer Science*

Thesis: Impact Craters on Valles Marineris and their Ejecta Structures

Graduated: May 2017

Cumulative GPA: 6.2/7.0

Advisor: Senthil P. Kumar, CSIR-NGRI

## CONFERENCES (Contributed talks)

- Know thy star know thy planet 2. California Institute of Technology, Pasadena, California. February 2025.
- Optical and near-IR planetary science in Chile 1. ESO, Santiago. December 2024.
- XIX SOCHIAS Meeting. Universidad de Tarapacá (UTA), Arica. November 2024.

## POSTERS

- Sagan Summer Workshop. Caltech, Pasadena, California. July 2025.
- II Simposio de Postgrado en Ingeniería, Ciencia e Innovación FCFM. August 2024.
- TESS Science Conference III. MIT/Cambridge. August 2024.
- VII MAS OPAGA. Puerto Natales, Chile. December 2023.

## SEMINARS

- The Special CATA Area 6 EAZY Talks on September 02, 2025.
- Search for Extraterrestrial Intelligence (SETI) institute Institute, California during my visit from July 28 to 31, 2025.
- Star and planet formation seminar, University of Michigan. February 2025.
- Indian Institute of Astrophysics(IIA), Bengaluru. January 2025.

## WORKSHOPS

- Sagan Summer Workshop (Silver Jubilee: Exoplanet Demographics) at California Institute of Technology, Pasadena. July 2025.
- 19th Online Summer School in Statistics for Astronomers, conducted by Penn State. June 2024.
- ExoLatam-22. Universidad Adolfo Ibáñez, Santiago, Chile. December 2022.
- VLTI-HOW workshop. ESO, Santiago. October 2022.

## TEACHING

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- Spring semester, 2024. Teaching assistant for Galactic astronomy (AS725-1) under Prof. René Méndez.
- Autumn semester 2024. Teaching assistant for Observational Astronomy (AS750-1) under Prof. César Fuentes.
- Spring semester 2023. Teaching assistant for Observational Astronomy (AS750-1) under Prof. César Fuentes.
- Assistant Professor (Physics) at The National College, Bengaluru. 2021-2022

## OBSERVATION RUNS

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**Project:** Transit Monitoring in the South (TraMoS)

**Principal Investigator:** Patricio Rojo (University of Chile)

**Telescope:** SMARTS 0.9-meter Telescope, NSF Cerro Tololo Inter-American Observatory

**Runs:**

- 09-18 September 2022
- 17-22 September 2025

## AWARDS & APPOINTMENTS & OUTREACH

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National Doctorate Scholarship (ANID)	2024-Present
Postgraduate Representative, Department of Astronomy, University of Chile.	2024-2025
EPEC Spring 2024 Doctoral Scholarship	2024
NOIRLab/Rubin Education Ambassador	2023-Present
Member of the outreach team at the National Astronomy Observatory, Santiago.	2022-Present
Assistant Professor (Physics) at The National College, Bengaluru	2021-2022

## PUBLICATIONS

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- Parashivamurthy, H M. & Mulders. G D. "Radius valley scaling among low-mass stars with TESS" A&A 703 A8 (2025)
- Yaptangco, Mulders & Parashivamurthy, in prep. "Radius cliff scaling among FGKM stars with TESS"
- Parashivamurthy & Mulders, in prep. "A complete K2 and TESS analysis of super-Earths around super small stars"