

MSc Nafise Sedighi is a PhD student at the Instituto de Astrofísica de Canarias (IAC), where she joined the SUBSTELLAR project in 2024. Her doctoral research focuses on the development of substellar evolutionary models, with an emphasis on comparing synthetic spectra to observational data from the Euclid space mission.

By combining theory and observation, her work contributes to refining our understanding of the atmospheres and physical properties of brown dwarfs and planetary-mass objects.

Nafise holds both a BSc and MSc in Physics from Yazd University, Iran, where her academic focus included applied spectroscopy and data analysis. After completing her master's degree, she began her collaboration at the IAC by joining the LIGHTS survey (Large Binocular Telescope Imaging of Galactic Halos and Tidal Structures), where she led efforts to construct non-parametric, extended Point Spread Functions (PSFs) for LBT images.

Beyond academia, Nafise is deeply committed to science communication and community engagement. She has played an active role in organizing science festivals and conferences and is passionate about making science accessible and engaging to broader audiences.