

TESTIMONIAL LETTER

My self Jabir V M. I completed my master's in physics from Indira Gandhi National Tribal University (IGNTU), Madhya Pradesh. Currently, I am looking for PhD positions in the field of Astrophysics and Cosmology. At present, I am working with Dr. Maria on supernova cosmology to investigate the Hubble tension (H_0) problem.

It was from a state-level conference about Galileo and his discoveries in astronomy in 2009. When I started my journey in astronomy, I was just an eight-year-old boy and my passion and enthusiasm led me to pursue a career in astronomy eventually in Cosmology. It was time when I was searching for a PhD in astrophysics or cosmology after my post-graduation. Unexpectedly I could see a LinkedIn post of Dr. Maria Giovanna Dainotti accepting intern students to work in Super Nova Ia Cosmology. I was surprised and proud when I did a quick Google search about her and found that she is a wizard in the field of GRB's and SNe Ia cosmology. I mailed her and to my surprise, I selected as her one of the interns and started working with Biagio (her PhD student and our mentor) at first through Zoom meetings and the data and notebooks he provided. After that, I could meet with Maria also and could be a part of a paper which was recently published in JHEAP. That's how the story begins.

Coming to the experience working with Biagio and Maria. Both are just simple and very prompt about work. When working with Maria I never felt that I was working with strangers or someone who didn't support us when we failed to get the result. She is like all the time guiding us, helping us to correct our errors making suggestions accepting our ideas. Which helped me to understand how research is going on in this field. I had an idea in computational analysis and could enhance and enrich it by working on this project. And finally we published our paper "A New Master Supernovae Ia sample and the investigation of the Hubble tension" in the Journal of High Energy Astrophysics (JHEAP), which now boasts an impressive impact factor of 10.5. Remarkably, our paper has already cited 11 times within just six months of its appearance on arXiv, a testament to the relevance and visibility of our work in the scientific community.

All these I could achieve and understand only because of the internship under Maria and Biagio. So I would like to thank Maria for giving me such an international opportunity to be an intern student. a publication

Currently, I am working with her on another project on Quasar Cosmology. Where we analyze the Quasar data for various steps. Hoping that it will be also an experience for me in the field of Quasar cosmology. Once again I am delighted and lucky to get this opportunity and looking forward to working on more projects.

Jabir V M

