

Sagar Adhikari, Ph.D. Candidate

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Employment History

- 2019 – 📌 **Clemson University**, Teaching and Research assistant.
- 2013 – 2019 📌 **Lecturer**, Part-time lecturer and tutor of high school-level mathematics and physics.

Education

- 2019 – 📌 **Ph.D. Candidate, Clemson University** in Astrophysics.
Research: *Study of longterm variability in blazar.*
- 2015 – 2018 📌 **M.Sc., Tribhuvan University** in Physics.
Thesis title: *Interaction between IR loops and interstellar medium.*
- 2003 – 2006 📌 **B.Sc., Tribhuvan University** in Physics

Research Publications

Journal Articles

- 1 S. Adhikari, P. Penil, J. Westernacher-Schneider, *et al.*, “Constraining the pg 1553+ 113 binary hypothesis: Interpreting hints of a new, 22 yr period,” *The Astrophysical Journal*, vol. 965, no. 2, p. 124, 2024.

Conference Proceedings

- 1 A. R. S. A. et. al, “Analysis of fermi-lat blazar lightcurves in the time domain using singular spectrum analysis,” in *International Conference on Time Series and Forecasting (ITISE-2023)*, Gran Canaria, Spain, 2023.

Skills

- Languages 📌 Strong reading, writing and speaking competencies in English and Nepalese.
- Coding 📌 Python, \LaTeX , SQL, C, ...
- Misc. 📌 Academic research, teaching, training.

Miscellaneous Experience

- 2024 📌 **Clemson news article for notable research**, Using a century of data, Clemson astrophysicists may have found a binary supermassive black hole.
(link: <https://news.clemson.edu/using-a-century-of-data-clemson-astrophysicists-may-have-found-a-binary-supermassive-black-hole/>)
- 📌 **Open Access Publishing Fund**, Granted Clemson University Library’s open access publishing fund.
- 2020-2022 📌 **Nepalese Student Association, Clemson University**, Member and Secretary.

References

Available on Request