

AIMI AZIZAN

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National Astronomical Observatory of Japan, 2-21-1 Osawa, Mitaka,
Tokyo 181-8588, Japan

Research Experience

National Astronomical Observatory of Japan *Graduate researcher* **2025 – present**
↔ Advisor: Asst. Prof. Masatoshi Imanishi

Astrophysics Research Group, National University of Malaysia *Graduate researcher* **2021 – 2024**
↔ Advisor: Assoc. Prof. Adlyka Annuar

- Topic: Chandra's 20-Year View of Sagittarius A*'s X-ray Emissions During Flaring and Quiescent Phases

Astrophysics Laboratory, Malaysian National Gifted Center *Research intern* **2021**
↔ Advisor: Mohammad Afiq Dzuan Mohd Azhar

- Topic: Automated Detection of Sunspot Numbers in Solar Observations

National University of Malaysia *Undergraduate researcher* **2020 – 2021**
↔ Advisor: Assoc. Prof. Nurul Shazana Abdul Hamid

- Topic: Detection of Equatorial Plasma Bubbles (EPB) in the South East Asian Region

Education

Graduate University for Advanced Studies, SOKENDAI **2025 – present**
Research Student, Astronomical Science

National University of Malaysia **2021 – 2024**
M.Sc. Physics

National University of Malaysia **2017 – 2021**
B.Sc. Physics

Refereed Publications

A. **Azizan**, M. E. Abdul Hamid, and A. Annuar. Chandra X-ray Observatory 20-Year View of Sagittarius A*: Flares and Quiescent State Properties. *Jurnal Fizik Malaysia*, 45(1):10001–10009, 2024a.

A. **Azizan**, M. E. Abdul Hamid, and A. Annuar. Evolution of Sagittarius A* X-ray Emission between 1999 and 2019 Based on Chandra X-ray Observatory Observations. *Sains Malaysiana*, 53(4):893–905, 2024b.

N. I. Mohd Rosli, N. S. Abdul Hamid, A. **Azizan**, I. Sarudin, M. Abdullah, and K. Hozumi. EPB occurrence in Southeast Asian Sector based on Solar Activity Level and Season over Solar Cycle 24. *Jurnal Fizik Malaysia*, 43(1):10151–10156, 2022.

Abstracts & Proceedings

M. E. Abdul Hamid, A. **Azizan**, and A. Annuar. X-ray Evolution Of Sagittarius A* Over Two Decades Of Chandra Observations. In *Persidangan Fizik Kebangsaan*, 2022.

A. **Azizan**, N. N. Ramli, M. A. D. Mohd Azhar, N. S. Mohamad, and A. Annuar. Automated Sunspot Number Detection Algorithm: A Preliminary Study. In *Southeast Asia Regional Astronomy Seminar*, 2021.

A. **Azizan**, M. E. Abdul Hamid, and A. Annuar. The 2nd Brightest X-ray Flare From Sgr A* Detected By Chandra. In *Persidangan Fizik Kebangsaan*, 2022a.

A. **Azizan**, M. E. Abdul Hamid, and A. Annuar. X-ray Spectral Properties of Sgr A* during Quiescent and Flaring Events Throughout Two Decades of Chandra Observations. In *15th Asia Pacific Physics Conference (APPC15)*, 2022b.

Awards

Japanese Government (MEXT) Scholarship **2025**

MyBrainSc Scholarship Scholarship by the Ministry of Higher Education, Malaysia **2018–2021**

Speaker of the Day Corporate Awareness Event, UKM **2019**

Skills

Languages	Malay (Native), English (Fluent), Japanese (Basic)
Programming Languages	Python, MATLAB
Packages	Astropy, Matplotlib, NumPy, SciPy
Document Creation	L ^A T _E X & T _E X, HTML
Softwares	Anaconda, CIAO, SAO ImageDS9, TOPCAT

Other Professional Experience

Thailand-UK Python Astronomy Summer School, Chiang Mai	<i>Student</i>	2024
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