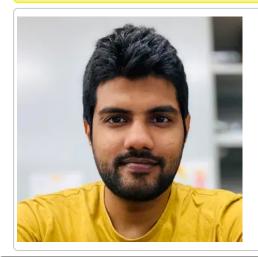


# Department of Geology Faculty of Science / University of Peradeniya



#### Dr. Dilan M. Ratnayake

BSc (Perad.), PhD (Okayama)

**Senior Lecturer** 

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& #

#### **About Me**

I trained as a stable-isotope geochemist and astrobiologist during my PhD and postdoctoral research at Okayama, Japan (2019-2025). I have extensive experience in clean-room geochemical analysis and in developing precise analytical techniques using mass spectrometry. My research covers petrology, analytical chemistry, cosmochemistry, and astrobiology. I am particularly interested in understanding how Earth's geochemical evolution has influenced the development of life, and how life, in turn, has shaped geochemical processes. As a senior lecturer, I strive to help students develop critical thinking skills and address complex research questions through a multidisciplinary approach.

#### **Higher Education Qualifications**



PhD

Okayama University Japan (2024)



**BSc** 

University of Peradeniya Sri Lanka (2017)

# Awards, Scholarships, Memberships & Fellowships



Okayama University Science, Technology, and Innovation Creation Fellowship - 2023

#### **Positions Held**



Senior Lecturer (Grade ii) (University of Peradeniya)- (November 2025 - Present)



Visiting Lecturer (Env. Sci MSc Program, PGIS, University of Peradeniya)- (July 2025 - Present)



Temporary Lecturer (University of Peradeniya)- (June 2025 - October 2025)



Post Doctoral Fellow (Okayama University)- (April 2024- March 2025)

#### My Teachings

ACL4001: Environmental Archaeology

ENS511: Geological Environment

GEO2052: Economic Geology

GEO2082: Photogeology

GEO3093: Analytical Techniques in Geology

#### Research Interests (Research Fields/ Projects)

Geochemistry, Astrobiology, Geobiology, Metamorphic Petrology

# Ongoing Research and Projects



Nothing to show under this subheading !!!

# **Key Publications**



Nothing to show under this subheading !!!

#### Conferences



Nothing to show under this subheading !!!

# **My Publications**

Please goto the website.

https://sci.pdn.ac.lk/geology/staff/Dilan-Rathnayake