# Yoseph Datu Adiatma

## Qualification Summary

PhD in Earth Science with experience in sedimentology, chemostratigraphy, isotope geochemistry, and numerical modeling. My research centers in reconstructing changes in geologic processes using geochemical proxies (e.g., δ13C, 87Sr/86Sr, δ44/40Ca, δ7Li, εNd, I/Ca, Fe speciation) and their roles in shaping the macro-evolution of life on Earth.

## Education

Fall 2023 PhD in Earth Science, The Ohio State University

Fall 2018 MS in Earth Science, The Ohio State University

Spring 2014 BS in Geology, Institut Teknologi Bandung

## Academic Appointments

2024 - present Postdoctoral Research Associate, Florida State University

*Perform geochemical analyses (I/Ca, Fe speciation) on Paleozoic-aged sedimentary rocks to reconstruct the paleoredox states of Cambrian - Ordovician seawater.*

Fall 2023 Postdoctoral Research Associate, The Ohio State University

*Performed calcium isotope analyses (δ44/40Ca) on Paleozoic-aged carbonate rocks and developed numerical models to constrain the role of diagenesis in affecting geochemical proxies in carbonate rocks.*

2019 - 2023 Graduate Research Associate, The Ohio State University,

*Collected samples*, p*erformed* *geochemical analyses (δ7Li, 87Sr/86Sr, εNd, Sr/Ca, δ44/40Ca) on Ordovician-aged carbonate rocks, and developed a suite of numerical models to reconstruct changes in global silicate weathering and its role in causing multimillion year climate cooling.*

## Honors and Awards

2022 The Michael S. Johnson Outstanding Graduate Student Award, The Ohio State University, School of Earth Sciences

2010 – 2013 Dean’s List, Institut Teknologi Bandung, Faculty of Earth Sciences and Technology

## Professional Associations and Leadership Roles

Indonesia Association of Geologists (IAGI) -- Geological Society of America (GSA) -- American Geophysical Union (AGU) -- American Association of Petroleum Geologists (AAPG)

Student Representative to the Graduate Study Committee at OSU School of Earth Sciences (2021)

Earth Science Delegate to the OSU Council of Graduate Students (2022)

## Skills

Geochemistry and Mass Spectrometry

* Sr, Nd, Li, Ca column chemistry
* Basic operations and method development of thermal ionization mass spectrometry (TIMS)
* Basic operations and method development of inductively coupled plasma optical emission spectrometry and mass spectrometry (ICP OES and ICP MS)
* Geochemical modeling

Petrotechnical skill

* Static reservoir modeling (Petrel)
* Petrophysics and well logging (Interactive Petrophysics, Geolog, TechLog)
* Seismic interpretation (Kingdom)

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| Programming   * Python * Matlab | Miscellaneous   * Unix-like OS operations (Ubuntu, RHEL, FreeBSD) * Version control software (git) * High Performance Computing (HPC) |

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Github: <https://github.com/datuadiatma/>

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