

Guest Lecture

‘Soil Solutions: Carbon, Climate Resilience and Food Security’

By Professor Budiman Minasny

Friday, 10 October 2025

1:45pm to 4:00pm (Jakarta time)

Indonesian graduates and scholars of Australian tertiary institutions who are interested in attending this event, please RSVP by Wednesday, 8 October, via this link: <http://oz.link/rsvpGL10OCT>

**Due to the limited availability of places, early registration is recommended. A link to this event will be shared with you after registration.*

Lecture overview

Building climate resilience is essential for addressing climate change and safeguarding food security, with soil carbon sequestration playing a central role. As a major carbon sink, soil has the capacity to capture and store significant amounts of atmospheric CO₂. Regenerative practices that improve soil health not only enhance this sequestration but also boost fertility, water retention and biodiversity. Together, these interconnected benefits help mitigate greenhouse gas emissions, drive sustainable agricultural productivity, and strengthen food systems against climate shocks. This lecture highlights soil carbon sequestration as a cornerstone of both environmental stability and long-term food security.

Budiman Minasny is Professor of Soil-Landscape Modelling at The University of Sydney, where he leads the Soil, Carbon and Water theme at the Sydney Institute of Agriculture. A soil scientist by training, Prof. Budiman has been awarded both the QEII and Future Fellowships from the Australian Research Council and was named a Highly Cited Researcher by the Web of Science in 2019.

Prof. Budiman holds an undergraduate degree from Universitas Sumatera Utara in Indonesia and MAgr and PhD degrees in Soil Science from The University of Sydney. With more than 160 articles published in international journals, he is globally recognised as a leader in digital soil mapping and modelling.

Prof. Budiman’s research and passion centre on the vital role of soil in tackling climate change, as well as food, water, energy security and biodiversity conservation. He is also an active member of the Sydney Southeast Asia Centre and the China Studies Centre.



Professor Budiman Minasny

Academic and Researcher
The University of Sydney

