

Curriculum Vitae

Su-Chin Chang

<https://shorturl.at/SDrqj>

Office Address:

Room 303, Hui Oi Chow Building
Department of Earth Sciences
University of Hong Kong

Work Phone: +852-3917-7838

Work Email: suchin@hku.hk

Academic Qualifications

- Ph.D. in Earth & Planetary Sciences, 2003 - 2008, University of California, Berkeley
- B.Sc. in Geology, 1995 - 1999, National Taiwan University

Academic Appointments

- Associate Professor, 09/2019 – present
Department of Earth Sciences, University of Hong Kong
- Research Assistant Professor & Assistant Professor, 03/2011 – 08/2019
Department of Earth Sciences, University of Hong Kong
- Postdoctoral Research Scientist, 02/2009 - 12/2010
Lamont-Doherty Earth Observatory, Columbia University

Research Interests

As a geologist specializing in chronostratigraphic interpretation, my research uses the $^{40}\text{Ar}/^{39}\text{Ar}$ and U/Pb methods to constrain the time scale of biological evolution, mass extinction events, volcanic eruptions, and global climate change.

Publication Records (Google Scholar: <https://shorturl.at/S3dn4>)

A. Five most representation publications in recent five years

1. Zheng, D.*, **Chang, S.***, Ramezani, J., Xu, X., Xu, H., Wang, H., ... & Zhang, H. (2024). Calibrating the Early Cretaceous Urho Pterosaur Fauna in Junggar Basin and implications for the evolution of the Jehol Biota. *Bulletin*, 136(1-2), 765-773.
2. Li, Y., **Chang, S.***, Zhang, H., Wang, J., Pei, R., Zheng, D., ... & Hemming, S. R. (2023). A chronostratigraphic and biostratigraphic framework for the Yanliao Biota of northeastern China: Implications for Jurassic terrestrial ecosystems and evolution. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 630, 111818.
3. Li, Y., **Chang, S.***, Zhang, H., Wang, J., Pei, R., Zheng, D., ... & Hemming, S. R. (2023). A chronostratigraphic and biostratigraphic framework for the Yanliao Biota of northeastern China: Implications for Jurassic terrestrial ecosystems and evolution. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 630, 111818.
4. Zheng, D., **Chang, S.***, Algeo, T., Zhang, H., Wang, B., Wang, H., ... & Xu, H. (2020). Age constraint for an earliest Famennian forest and its implications for Frasnian-Famennian boundary in West Junggar, Northwest China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 552, 109749.
5. Zheng, D., Shi, G., Hemming, S. R., Zhang, H., Wang, W., Wang, B., & **Chang, S.*** (2019). Age constraints on a Neogene tropical rainforest in China and its

relation to the Middle Miocene Climatic Optimum. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 518, 82-88.

B. Five representative publications beyond the recent five-year period

6. Zheng, D., **Chang, S.***, Wang, H., Fang, Y., Wang, J., Feng, C., ... & Wang, B.* (2018). Middle-Late Triassic insect radiation revealed by diverse fossils and isotopic ages from China. *Science advances*, 4(9), eaat1380.
7. Zheng, D., **Chang, S.***, Perrichot, V., Dutta, S., Rudra, A., Mu, L., ... & Wang, B.* (2018). A Late Cretaceous amber biota from central Myanmar. *Nature communications*, 9(1), 3170.
8. **Chang, S.***, Zhang, H., Hemming, S. R., Mesko, G. T., & Fang, Y. (2014). $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on the Haifanggou and Lanqi formations: when did the first flowers bloom?. *Geological Society, London, Special Publications*, 378(1), 277-284.
9. **Chang, S.***, Zhang, H., Renne, P. R., & Fang, Y. (2009). High-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Jehol Biota. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 280(1-2), 94-104.
10. **Chang, S.***, Zhang, H., Renne, P. R., & Fang, Y. (2009). High-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on the basal Lanqi Formation and its implications for the origin of angiosperm plants. *Earth and Planetary Science Letters*, 279(3-4), 212-221.

Editorship

- Editor: *Geoscience Letters* (01/2024- present)
- Editor: Cretaceous Research, Special Issue, Cretaceous biodiversity and palaeoenvironments in Eastern Asia (04/2022- 03/2023)
- Coordinating Editor: Geological Society of London, Special Publication 521, Mesozoic biological events and ecosystems in East Asia (04/2020-02/2022)

Service Responsibilities to the Profession and the Academic Community

- Session Convener of “Mesozoic Ecosystems in East Asia” at the 2023 annual AOGS meeting in Singapore.
- Secretary, Interdisciplinary Geoscience (IG) section of the Asia Oceania Geosciences Society (AOGS) (10/2022-present)
- Committee Member, Hong Kong Regional Group, The Geological Society of London (03/2022- 07/2023)
- Session Convener of “Mesozoic Ecosystems in East Asia” at the 2021 Virtual AOGS meeting.
- Co-organizer and Hong Kong representative for the 8th World Chinese Geosciences Congress (03/2014- 06/2015)