

Curriculum Vitae

Mai Hue Anh 梅慧英

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Education

- 2015 - 2022 Ph.D., Taiwan International Graduate Program (TIGP)-Earth System Science, Academia Sinica and National Central University, Taipei, Taiwan
- 2013 - 2015 M.S., Department of Earth Sciences, National Taiwan Normal University (NTNU)
- 2009 - 2013 B.Sc., Faculty of Geology, Hanoi university of science, Vietnam National University (VNU)

Research interests:

Seismic hazards
Seismotectonics and Earthquake Geology
Active Fault and Active Tectonics
Geothermal research
Mud diapirs/mud volcanoes, stress/strain changes, pore pressure changes, surface deformations...

Research Experience

NCU-Academia Sinica

Seismic hazard in the southwestern Taiwan: mud diapir/mud volcanoes 2015-2020

Seismic hazard in the southwestern Taiwan: seismicity evolution and forecast large earthquakes 2015-2022

National Taiwan Normal University

Participating the Comprehensive Research on East Asia Tectonic Evolution (CREATE) project 2013-2015

Awards & Honors

2021: The Governing Scholarship for Excellent Students of NCU

2020: The TIGP-Research Performance Fellowship from Academia Sinica

2015: The Taiwan International Graduate Program (TIGP) of Academia Sinica and the National Central University (NCU) scholarship

2014: The Earth Sciences department Excellent Students Scholarship

2013: The NTNU Graduate Student Scholarship

Teaching experience

Teaching Assistant for a training course: "Tectonic reconstructions" in the Chinese Petroleum Corporation (CPC), Taiwan, 2014.

Skills

- Quick learner
- Good team-work
- Good presentation skills
- Good self-study skills.

Publications

1. Mai, H. A., Lee, J. C., Chen, K. H., & Wen, K. L. (2021). Coulomb stress changes triggering surface pop-up during the 2016 Mw 6.4 Meinong earthquake with implications for earthquake-induced mud diapiring in SW Taiwan. *Journal of Asian Earth Sciences*, 218, 104847.
2. Mai, H. A., Y. L. Chan, M. W. Yeh and T. Y. Lee (2018). "Tectonic implications of Mesozoic magmatism to initiation of Cenozoic basin development within the passive South China Sea margin." *International Journal of Earth Sciences* 107(3): 1153-1174.

Conference abstracts

1. Mai, H.A., Lee, J.C., Wen, K.L., "Coulomb stress changes triggering surface uplifts in 2016 Mw 6.4 Meinong Earthquake and their implications for Earthquake-induced mud diapering". International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake, Taipei, Taiwan, oral in September, 2019.
2. Mai, H.A., Lee, J.C., Wen, K.L., "Coseismic deformation of the 2016 Meinong earthquake, southwestern Taiwan and other trigger mechanisms". Training Course on Earthquake Hazard and Risk Assessment in East Asia, Taiwan, poster in October, 2018.
3. Mai, H.A., Lee, J.C., Wen, K.L., "A revised PSHA for the southwestern Taiwan by matlab-based CU-PSHA software: influence of the 2016 Mw 6.4 Meinong earthquake". Training Course on Earthquake Hazard and Risk Assessment in East Asia, Taiwan, poster in October, 2018.
4. Mai, H.A., Lee, J.C., Wen, K.L., "A revised PSHA for the southwestern Taiwan by matlab-based CU-PSHA software: influence of the 2016 ML 6.4 Meinong earthquake". The

sixth Workshop: 2016 Japan-New Zealand-Taiwan Seismic Hazard Assessment, Japan, poster in October, 2016.

5. Mai, H.A., Y. L. Chan, M. W. Yeh and T. Y. Lee., “Mesozoic and Cenozoic reconstruction of magmatism and basin development within the South China Sea and their implications to regional tectonic evolution”. The 2015 Joint Assembly in Montreal, Canada, poster in May, 2015.
6. Mai, H.A., Y. L. Chan, M. W. Yeh and T. Y. Lee., “Mesozoic and Cenozoic reconstruction of magmatism and basin development within the South China Sea and their implications to regional tectonic evolution”. The Taiwan Geosciences Assembly, Taiwan, oral in 2015.
7. Mai, H.A., Y. L. Chan, M. W. Yeh and T. Y. Lee., “Mesozoic and Cenozoic reconstruction of magmatism and basin development within the South China Sea and their implications to regional tectonic evolution”. The Taiwan Geosciences Assembly, Taiwan, poster in 2014.