

TAIWAN OROGENY

Recent Advances on Studies from Sources to Products, and Processes

CONFERENCE SESSION & SPECIAL ISSUE CONTEXT

Following the outstanding discussions and momentum generated by the **TT2 Taiwan Tectonics 2 Special Session**, titled *"Taiwan Orogeny: Recent Advances on Studies from Sources to Products, and Processes (in honor of Prof. Cheng-Hong Chen for his scientific contributions and 80th birthday)"* at the Annual Conference of the Chinese Taipei Geophysical Society and the Geological Society of Taiwan, we are pleased to compile these groundbreaking works into a landmark Special Issue published in the *Journal of Asian Earth Sciences*.

CORE SCIENTIFIC THEMES

- **Mantle Sources & Magmatic Processes:** Heterogeneities, arc magmatism, and back-arc dynamics.
- **Isotope Geochemistry (Sr–Nd–Pb–Hf–Os) & mantle wedge evolution.**
- **Crustal Evolution & Metamorphism:** Metamorphic petrology and thermal (P–T–t) paths.
- **Structural Geology & Orogenesis:** Collision deformation mechanics, faulting, and mountain-building.
- **Sedimentary Systems & Surface Processes:** Provenance, basin evolution, erosion, and sediment fluxes.
- **Geophysics & Deep Structures:** Lithosphere seismic imaging and advanced geodynamic modeling.
- **Natural Hazards & Environmental Geoscience:** Active faults, seismology, and hazard mitigation.

HONORARY TRIBUTE TO PROF. CHENG-HONG CHEN

This Special Issue celebrates the foundational geoscientific contributions of **Professor Cheng-Hong Chen** (National Taiwan University). His pioneering work in East Asian mineral chemistry, modern microanalytical geochemistry, and monazite U–Th–Pb geochronology has established robust benchmarks for understanding tectonogeny, while his leadership has actively promoted interdisciplinary collaborations on active tectonics and geohazards.

WHY SUBMIT TO JAES?

- **High Academic Visibility:** Published in a premier, high-impact SCI journal specializing in Asian geology.
- **Targeted Readership:** Connects your research directly to international geophysics and geochemistry fields.
- **Rigorous Peer Review:** Fast-track, professional review process led by dedicated expert guest editors.

SPECIAL ISSUE GUEST EDITORS

Dr. Kuo-Lung Wang

Institute of Earth Sciences, Academia Sinica, Taipei

Dr. Eh Tan

Institute of Earth Sciences, Academia Sinica, Taipei

Prof. Yuan-Hsi Lee

Department of Earth and Environmental Sciences, National Chung-Cheng Univ.

SUBMISSION PORTAL & LINK

All submitted manuscripts will undergo standard, high-quality peer review. Please prepare your manuscript in accordance with the JAES Author Guidelines.

[CLICK HERE TO VISIT OFFICIAL SPECIAL ISSUE WEBSITE](#)

SUBMISSION DEADLINE: FEBRUARY 28, 2027

Submit online via the Elsevier Editorial Manager system. Select the Special Issue title during your upload.
For scientific inquiries, please contact Managing Guest Editor Kuo-Lung Wang (kwang@earth.sinica.edu.tw)