

無脊椎動物實驗室

Laboratory of Invertebrates

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Chinese



Lab Features



Recent Publications

Studies on the natural history of terrestrial, freshwater & marine invertebrates, incl. phylogeny, biogeography, ecology, ethology, etc.

Molecular phylogeny & biogeography:



- *Uca splendida*, a valid species of fiddler crab from N South China Sea & Taiwan Strait (Zootaxa, 2012)
- Molecular phylogeny & biogeography of *Geothelphusa* from N Taiwan, Diaoyutai & S Ryukyus (Zoologischer Anzeiger, 2011)
- Diversity & biogeography of freshwater crabs from East Asia (China, Taiwan, Japan) (Systematics and Biodiversity, 2011)
- Molecular phylogeny & biogeography of freshwater crabs *Nanhaipotamon* from China & Taiwan (Molecular Phylogenetics and Evolution, 2011)
- An alien freshwater crab from Taiwan — morphological & genetic identify on *Indochinese Sayamia germaini* (The Raffles Bulletin of Zoology, 2011)
- Diversity & geographic distribution of Chinese fiddler crabs (Zootaxa, 2010)
- Recognition of *Uca iranica* & *U. albimana* from western Indian Ocean, with the phylogeny of *U. lactea* complex (Hydrobiologia, 2009)
- Collision of Indian plate with Asia: impact on the phylogeny of freshwater crabs (Journal of Biogeography, 2009)

- ◆ **Arthropods:**
Crustaceans (crabs, shrimps, isopods)
Myriapods (centipedes, millipedes)
Scorpions
Spiders
- ◆ **Mollusks:**
Land snails
Freshwater snails
- ◆ **Annelids:**
Earthworms
Leeches
- ◆ **Turbellarians**
- ◆ **FW bryozoans**
- ◆ **FW cnidarians**
- ◆ **FW sponges**



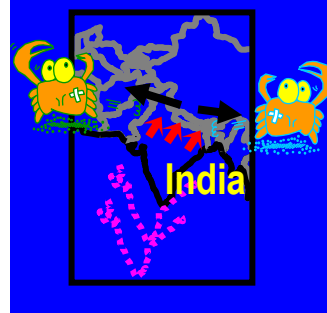
Study Fields



- Phylogeny & biogeography of Asian freshw. crabs
- Phylogeny & biogeography of IWP fiddler crabs
- Phylogeny & biogeography of land crabs
- Life history of Taiwanese fiddler crabs
- Diversity of coastal & freshw. wetland of Taiwan



Biodiversity:



- **Totally 21 new species or species reinstated were published:**
- **4 freshwater crabs:** *Nanhaipotamon dongyinensis* (2005); *Geothelphusa siasiat* (2008); *G. makatao* (2009); *G. holthuisi* (2010)
- **2 fiddler crab:** *Uca jocelynae* (2010); *U. splendida* (2012)
- **4 estuarine crabs:** *Scopimera ryukyuensis* (2010); *S. sheni* (2011); *S. philippinensis* (2011); *Mictyris guinotae* (2010)
- **2 freshwater atyid shrimps:** *Neocaridina saccam*, *N. ketagalan* (2007)
- **9 earthworms:** *Amyntas alliaoensis*, *A. chaishanensis*, *A. hengchunensis*, *A. huangi*, *A. kaopingensis*, *A. monsoonus*, *A. nanrenensis* (2005); *A. shinjiroi*, *Pithemera tao* (2010)

Students' Theses



- Phylogeny, ecology & behavior of freshwater crabs, fiddler crabs, land crabs, etc.
- Biology of Taiwanese whip scorpions, millipedes, sea slaters, etc.
- Taxonomy & phylogeny of East Asian earthworms