

PROGRAMME & ABSTRACTS

INTERNATIONAL PALAEOONTOLOGICAL CONGRESS

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W4 - FOSSIL RECORD IN TARU TAO ISLAND AND COASTAL AREAS, SATUN PROVINCE, SOUTHERN THAILAND

Jintasakul, Pratueng and Duangkrayom, Jaroon

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Taru Tao Island and coastal areas (Thung Wa and La Ngu districts) Satun Province, in southern Thailand have extensive outcrops of Paleozoic marine karst. Over 35 taxa of Paleozoic fauna have been recorded including the stromatolites (late Ordovician to middle Devonian age), 9 species of trilobites (late Permian age), 13 species of brachiopods (Ordovician to early Devonian age), 6 species of graptolites (late Ordovician to early Silurian age), 5 genera of nautiloids (Ordovician to late Permian age), ammonoids (Carboniferous age), algae, fusulinids, and crinoids (Ordovician to Permian age). In limestone caves, several mammalian fossils of the Cenozoic were recovered at Wang Kluay cave, consisting of 2 genera of the proboscideans, *Stegodon* (first record in Malay Peninsula) and *Elephas*, 2 genera of rhinoceros *Gaindatherium* and *Rhinoceros*, including bovid, and cervid. The abundance of fossil assemblages of both Paleozoic and Cenozoic eras, along with of archeological sites, and tourism attraction, demonstrate the potential to be Geopark or important geological area.