

PermoTriassic Radiolarian Biostratigraphy of the Semanggol Formation, south Kedah, Peninsular Malaysia.

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Abstract : A total of sixty-four radiolarian species were successfully retrieved from forty-seven siliceous rock samples collected at an extensive outcrop exposed approximately 4.5 km east of Kuala Ketil, south Kedah. Thirty-seven species of Permian and twenty-seven species of Triassic radiolarians were identified respectively. Five Permian radiolarian assemblage-zones were recognized i.e. *Pseudoalbaillella scalprata m. rhombothoracata* Zone, *Follicucullus monacanthus* Zone, *Follicucullus porrectus* Zone, *Neoalbaillella ornithoformis* Zone and *Neoalbaillella optima* Zone and four Triassic radiolarian assemblage-zones were identified i.e. *Entactinosphaera chiakensis* Zone, *Triassocampe coronata* Zone, *Triassocampe deweveri* Zone, and *Oertlispongus inaequispinosus* Zone. The oldest radiolarian biozone is the *Pseudoalbaillella scalprata m. rhombothoracata* Zone, which indicates Sakmarian, Early Permian. The youngest zone is the *Oertlispongus inaequispinosus* Zone, Ladinian, Middle Triassic.