A spore and pollen assemblage in Pueh area, Sarawak

UYOP SAID, MOHAMED ASRI OMAR, CHE AZIZ ALI & BASIR JASIN
Department of Geology, Universiti Kebangsaan Malaysia

Nine samples from south of Pueh town, about 10 km west of Sematan, First Division, Sarawak were examined. This area was previously mapped as Serabang Formation in the east and Plateau Sandstone in the west. Some well-preserved spore and pollen were obtained from three siltstone samples of the Serabang Formation. The identified spore and pollen genera from these samples are *Psilatricolporites, Exesipollenites, Apiculatisporis, Acanthotriletes, Distaverrusporites, Spinizonocolpites, Tsugaepollenites, Matonisporites, Microfoveolatosporis, Dictyophyllidites, Reticulatisporites, Biretisporites, Lycopodiacidites, Verrutriporites, Echitriporites, Alisporites, Retitricolpites and Triorites.* Four specimens of dinoflagellate cyst of *Hystrichosphere* sp. were also recorded in these samples.

Some confusion arise in assigning this assemblage to any of the previously described palynological zones by Muller (1968) due to the presence of several long ranging genera. However, after a thorough comparison study, this assemblage shows some similarities with the *Rugubivesiculites* zone (Senonian), and this is supported by the presence of some characterising species of *Spinizonocolpites bacculatus, Psilatricolpites kayanensis* and *Apiculatisporis ferox.* The two former species were described as appearing for the first time and the latter one was considered as a restricted species in this assemblage zone. These three species were fairly common constituents in the assemblage of the present samples. The present assemblage is not comparable to the older zones of *Araucariacites* and *Cicatricosisporites.* The common species of *Triorites minutipori* in *Araucariacites* zone and *Cicatricosisporites* sp. in *Cicatricosisporites* zone were not recorded from the present samples.

The spore and pollen assemblage extracted from the samples studied has to be assigned to the *Rugubivesiculites* zone, not older to *Araucariacites* zone or *Cicatricosisporites* zone because of the absence of *Triorites minutipori* and *Cicatricosisporites* sp. respectively, and not younger than *Rugubivesiculites* zone because of the presence of the *Apiculatisporis ferox.*