

NEW DATA ON PALYNOLOGY OF LOWER PART OF YONG'ANCUN FORMATION (UPPER
CRETACEOUS) IN JIAYIN OF HEILONGJIANG, ZEYA-BUREYA BASIN, CHINA*

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Some new palynological fossils were newly found from the lower part of Upper Cretaceous Yong'ancun Formation in Jiayin, China, nearby the Heilongjiang (Amur) River. 43 genera and 54 species of palynomorphs, and three palynological sub-assemblages have been recently identified in the lower Yong'ancun Formation. The palynomorphs are dominated by gymnosperms and ferns, angiosperm pollen not abundant. The fern spores are represented mainly by *Cyathidites-Dictyotriletes*, gymnosperms by *Pinuspollenites-Podocarpidites*, and angiosperms by *Retitricolpites-Mancicorpus*. The palynological assemblage is comparable in general to those from the Members 2–3 of Yaojia Formation and the Member 1 of Nenjiang Formation in Songliao Basin, China, indicating the Santonian age. The new palynological material provides supplementary evidence for better understanding of the Santonian palynoflora of the Yong'ancun Formation in Jiayin.

Key words: Palynology, spores, pollen, assemblages, Upper Cretaceous; Santonian, Yong'ancun Formation; Jiayin of China, Zeya-Bureya Basin.