

Occurrence of Tethyan fauna as a result of Cretaceous left-lateral movement -Sanchu Group around Jyukkoku Pass, Kanto Mountains-

Megumi Ichise[1], Ken-ichiro Hisada[2]

[1] Geoscience, Univ.Tsukuba, [2] Inst. Geosci., Univ. Tsukuba

It is well-known that the Sanchu Group yields the Northern-Tethyan fauna. The recent work, however, proves that the Sanchu Group yields the Tethyan fauna in the Shigasaka Pass area, Kanto Mountains. The marine bivalve fossils are also obtained from the Sanchu Group in the Jyukkoku Pass area which is located to west of the Shigasaka Pass area. These marine fossils belong to the Tethyan fauna and show affinity to the fauna from the Nakakyushu and Miyako Groups. The occurrence of the Tethyan fauna suggests that another series occur in the Jyukkoku Pass area in addition to ones yielding the Northern-Tethyan fauna. Based on those lines of fossil evidence, there is a possibility that these stratal arrangements may be due to the left-lateral movement of the Kurosegawa tectonic zone.