

## ABSTRACTS OF THE PAPERS PUBLISHED ONLY IN THE TURKISH EDITION OF THIS BULLETIN

### GEOLOGY OF THE SÖKE-SELÇUK-KUŞADASI REGION AND PETROCHEMICAL FEATURES OF THE VOLCANIC ROCKS

Tuncay ERCAN\*; Umur AKAT\*; Erdoğan GÜNAY\*\* ve Yılmaz SAVAŞÇIN\*\*\*

ABSTRACT.— The basement of the investigated area consists mainly of metamorphic rock units of the «coverschists» of the Mendere massive, namely Şenköy, Bafa formations and Bozdağ group with respective ages of Early-Medial Permian, Upper Permian-Lower Triassic and Middle Triassic-Upper Cretaceous. Zeytinköy formation, a flyschoid sequence of Upper Cretaceous age, overrides the basement by a tectonic contact. These are unconformably overlain by the continental Söke formation of Miocene age followed by Balatçık and Hisartepe volcanics. Quaternary is represented by colluvium and alluvium. Petrochemical work shows that the volcanics originated partly from the mantle, but mainly are of siallic origin. They are compared to other volcanic rocks of the region.

### EXISTENCE OF UPPER LUTETIAN IN THE MUŞ TERTIARY BASIN

Şükrü UYSAL\*

ABSTRACT.— The studied area lies in the north of Azakpur town in the east of Muş Tertiary basin. In this study, the age of the towermost levels of the basin, which was unknown, has been determined as the Upper Lutetian. These Upper Lutetian rocks consist of claystone-sandstone-conglomerate alternation. Lower levels gradually pass marine sequence. Lower-Middle Oligocene rocks, consisting of a limy claystone-sandstone alternation, overlie unconformably Upper Lutetian rocks with a conglomeratic level. Upper Oligocene-Lower Miocene rocks overlie the Lower-Middle Oligocene sequence conformably. They are made up of limy claystone-sandstone alternation with rare limestone interbeds and they reflect deep marine conditions. Lower Miocene rocks comprise limy claystone, conglomerate, sandy limestone and reefal limestone, and indicate shallow marine conditions. Pliocene terrigenous formations unconformably overlie the Lower Miocene rocks and composed of conglomerate, sandstone and claystone. They also include some lacustrine limestone and volcanic levels.

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