

MACRO AND MICRO FOSSIL FLORA OF SOMA COAL AREA

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ABSTRACT— The macro and micro fossil flora of Soma coal area (West Anatolia) embodying important lignite deposits of Turkey; has been investigated in this study in all 72 family, genus or species level have been determined from the area. The most distributed species are *Glyptostrobus europaeus* (Brong.) Unger, *Pinus* (cf. *P. taedaformis* Heer) and *Quercus*. These specimens point out that this flora belongs to Middle Miocenes age. It also depicts the presence of a subtropical hot and wet climatic conditions. The most probable vegetation could have been a marshy forest cover of *G. europaeus* alongside the lake with a mixed forest of *Pinus-Quercus* at its margin.