TERTIARY MACROSCOPIC PLANT REMAINS FROM THE NOWY TARG — ORAWA BASIN (WEST CARPATHIANS)

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Macroscopic plant remains of the Tertiary sediments in Lipnica Mała have been studied. The main purpose of this work was to determine the fossil macroflora and compare it with the results of palynological studies [1]. For the determination of taxa the comparison material of extinct and extant fruits and seeds from the collection of the Palaeobotanical Museum of the Institute of Botany, Cracow, was used. Altogether, 50 taxa have been distinguished. Macroscopic plant remains of Glyptostrobus europaeus are predominant. Remains of herbaceous plants of wet habitats are also abundant. From the phytogeographical point of view the south-eastern Asiatic elements prevail over the North American ones. The fossil flora could be correlated with other Upper Miocene floras of Southern Poland [2,3]. On the basis of palynological and geological investigations the age of the flora was determined as Upper Miocene [1,4]. The results of the macroflora study have confirmed this opinion, but they contain some data suggesting a somewhat younger age.

More materials of fossil fruit-seed flora from other localities of the western part of the Basin will be elaborated in collaboration with Prof. M. Łańcucka-Środoniowa. All results will be published.

References

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