

The current dissertation describes the palynological analysis of the Givetian and Frasnian(?) deposits from the south-eastern Poland. It contains of the four scientific publications (published 2021-2022). The palynological analysis was carried out for eight sections: five drill cores (Kowala 1, Szwejki IG-3, Niesiołowice IG-1, Giełczew PIG 5, Krowie Bagno IG-1) and three outcrops from Miłoszów (M0, M1, M2). In this way, the analysis involves the Kielce Area of the Holy Cross Mountains, the Łysogóry-Radom Basin and the Lublin Basin.

The thesis contains the palynostratigraphical analysis results. They were obtained basing on the documented microflora assemblages and they were conducted for all sections. The palynofacies analysis was carried out as well. It involved each sections with the exception of the Kowala 1 drill core. The results obtained in that analysis were important for the attempt of the palynological description of the global Taghanic Event from the area of Poland.

Important part of the thesis is also the detailed characteristic of the rare palynomorphs: organic tentaculites that occurred in Kowala 1 section.

During this research one new taxon of acritarch was described – the *Teleostomata rackii* from Miłoszów and one new miospore taxon *Retusotriletes radomskii*.

The current set of publications describes the palynology of the Givetian and Frasnian(?) of the investigated areas and it is an essential part of the knowledge concerning the palynostratigraphy. It is also the first description of palynofacies from this time interval for Radom-Lublin area.