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DATA ON THE PALYNOMORPHOLOGICAL FEATURES OF FOUR PLANTS OF *ANEMONE* GENUS, IN ELBASAN REGION

Blerina Pupuleku^{1*}, Ermelinda Gjeta¹, Gëzim Kapidani²

¹University of Elbasan “Aleksandër Xhuvani”, Faculty of Natural Sciences,
Biology Department, Elbasan, Albania;

²University of Tirana, Faculty of Natural Sciences, Biology Department, Tirana, Albania;

*Corresponding Author Blerina Pupuleku, e-mail: blerina.pupuleku@hotmail.com;

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ABSTRACT

Palynomorphological features of four plants of *Anemone* genus, collected in fresh conditions in different areas of Elbasan region (Kraštë-Elbasan, Ruen-Rrajcë, and Guri i Zi) were studied by light microscope X 400-1000. Similarities of aperture were identified, which appeared variable from three furrows at *apennina*, *nemorosa*, and *ranunculoides* plants to six or more furrows at *hortensis* plant. The sculpture of exine varied from microechinate to perforate at *nemorosa*, *ranunculoides*, and *hortensis* plants, varied from microechinate to reticulate at *apennina* plant. While furrows were sharp tips with membranes equipped with ornamentals. The pollen grains of *Anemone apennina* plant were the smallest ones in almost all dimensions among all palynomorphological features studied, except for the furrow length of pollen grains of *Anemone ranunculoides* plant, which appeared smaller than those of other plants studied. The biggest polar and equatorial axis dimensions were identified at *Anemone ranunculoides* plant, while in terms of exine thickness, the biggest size of pollen grains were found at *Anemone hortensis* plant.

Keywords: Pollen grains, exine, furrow, sculpture, *Anemone*, Elbasan.