

A Study of Some Metric Parameters of the Erythrocytes in *Rana ridibunda* (Amphibia: Anura) Derived from an Area of Highly Developed Chemical Industry

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Abstract: Some metric parameters of the erythrocyte (big cell diameter (D-cell), small cell diameter (d-cell), big nuclear diameter (D-nucleus) and small nuclear diameter (d-nucleus)) in the blood of *Rana ridibunda*, inhabiting highly developed chemical industry area, were established. The results were compared with the data from our previous work, carried out in a relatively unpolluted area and another industrial area with different kind of pollution. Considerable variations in cell and nuclear parameters were detected.

Key words: red blood cells, frogs, cell diameters, nuclear diameters, Prise-Jones curves