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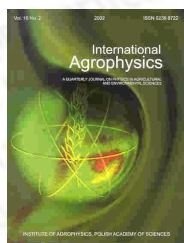
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Monitoring the environment of agricultural basins by means of computer programmes

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abstract The present study presents a method for monitoring the environment of agricultural river basins supported by a system of specialists computer programmes. It is related to the traditions of complex environmental studies and the processes of water circulation in different types of study basins (representative and experimental). It consists in current monitoring of mutual relations between: 1. Geographical conditions of the basin, 2. Hydrological conditions of the outflow (including hydraulic parameters of river bottoms), and 3. Physicochemical water properties as a function of the growing area of river basin (calculated along all the possible outflow routes, water-runs and rivers). The method presented by the author assumes a description of the basin conditions in a raster type of square plots with an assumed size. The NIT system (Numeric Information on Terrain) together with some chosen computer programmes has been chosen for the process of data collection and processing.

keywords agricultural basins, computer programmes, monitoring the environment