Abstract
This paper deals with changes in indicators of quality physical-chemical, selected to prezent the mani environmental impact of existing pressures in the Trotuş River. For a mor accurate assesment of the Trotuş River water qualitz there is required a monitoring and a physico-chemical verification of the indicators not to exceed the qualitz standards. The Trotuş River water quality is influenced by the presence of fretice in the area, through accidental leakage of oil products and water intrusion that indicate the presence of a high level of salinity. On the basis of manitoring concentrations carried out to set indicators, their evolution in time, grade in which fit over the water. Thery determined with ststistics program by analysing and interpreting the values of the parameters or values determine the standard of reference. The main use of water originating from the Trotuş River basin is the water supply of the population, a percentage of the industry declined and the irrigated areas. Because the water of the rivers is vulnerable to pollution sources, in particular the collection of domestic and industrial waste water is needed in the monitoring of bodies of water. As a result of statistical analysis, Trotuş river water quality in the upper category I corresponds to quality, and as a result of insufficient purified waste water collection, water quality degrades River and falls within category II of the quality. In the section control, water quality downstream Adjud Trotuş River falls within category III of the quality. Trotuş River has particular importance due to the presence of nimerale and ensuring water supply of the population.

Key words: water quality monitoring, water pollution, pollution sources