



## **Preliminary Data on Eutrophication of Carstic Lakes<sup>#</sup>**

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**Abstract:** Nutrients play an important role in the health and functioning of aquatic ecosystems. However, an excess of nutrients, particularly phosphorous and nitrogen compounds, can lead to adverse effects on both ecology and uses of receiving waters. This process accelerated by human activities is termed cultural eutrophication, and is recognized as a significant environmental problem. The purpose of this paper is to represent some preliminary data on eutrophication of water bodies from a chemical point of view. In order to make estimation on the trophic state, some lakes from the Dumre region are taken in consideration. Water samples are taken periodically and chemically analyzed about ammonia, nitrites, nitrates, phosphorous, dissolved oxygen, etc. Laboratory results are then compared with standards of nutrients and other parameters in water systems. Comparisons in time of the above mentioned parameters are presented through graphs and tables, in order to give a general estimation of eutrophication level in these lakes as a consequence of human activities.

**Key words:** *nutrients, chemical analyses, eutrophication.*

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