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## INFORMATION

- › [About the Conference](#)
- › [Call for papers](#)
- › [Accommodation](#)
- › [Major deadlines](#)
- › [Fees](#)
- › [Organizers](#)
- › [Committees](#)
- › [Sponsors](#)
- › [Exhibition](#)
- › [Photo Gallery](#)
- › [Contact](#)



## FIRST STEP

- › [Register](#)



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- › [Submit Abstract](#)
- › [Fee payment](#)
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- › [View My Abstracts](#)
- › [Change Account Info](#)



## PROGRAM

- › [List of Participants](#)
- › [Abstracts and Authors](#)
- › [Conference program](#)



## PREVIOUS EDITIONS

- › [CEECEH 2008](#)

## Abstract Details

### Abstract Title

THE SPATIO-TEMPORAL STRUCTURE OF THE BIOTIC COMPONENTS FROM THE DANUBE AQUATIC ECOSYSTEMS – ACTUAL STATUS OF ROMANIAN SECTOR

### Abstract Text

It is known that, through their activity, the biotic components modulates in space and time, on the one hand the structure of the hidrogeomorphological units and to the other hand the fluctuation of the domains with character of regime. The area chosen for study is placed on Danube river, on the Bazias-Calarasi sector and the Danube tributaries in southern of Romania, important areas in terms of the existence of the potential pollution sources, both industrial sources and agriculture sources, the crops being extended in these areas. Geographic location of the control sections for sampling of the surface water and sediments in the investigated area was performed by satellite positioning technology with a GPS receiver. The main objective of this study is to assess the current ecological status of aquatic ecosystems in accordance with the requirements of the Water Framework Directive (transposed into Romanian legislation by Law no.310/2004, that complete / amend the Water Law no.107 /1996). The results obtained after monitoring of selected quality indicators will be used to create a multi-parametrical database.

### Author(s)

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### Presentation

**Contribution proposed for:** oral presentation

