

**Experimental Research into Creation of GIS  
“Landscape and Biota Variety of Biosphere Reserve of Teberda”**

**V.V. Koneva, S.G. Lagun**

*Stavropol State University, Stavropol*

**Key words and phrases:** Database “Microsoft Office Access”; geobotanic landscape zones; mountain ecotone; NGis component; contour ecotones; landscape map of Biosphere Reserve of Teberda (BRT); linear ecotone zones; MapInfoTM software; Delphi programming environment.

**Abstract:** This paper describes the structure of GIS, the principles of its functioning and interconnection of objects. The structure of database is studied. The examples of working of system are given.

Geoinformation system enables to gain complex attached – to – space information about the area of the reserve, provide the reserve with reliable and complex information for efficient decision making, arrangement of scientific research, including monitoring of biosphere gene pool of biota and providing advertising and tourism activity.