



CONTENT

BIOLOGY AND BIOTECHNOLOGY

Goremykina Eu.V.

The leaf blade anatomy of some Volgograd steppe grasses 4

Lavnikova I.V., Lyabin M.P., Zheltobryukhov V.F.

Obtaining effective chemisorbents for use in a combined way of industrial wastewater treatment 13

Novochadov V.V.

The control of the cell settlement and scaffold remodeling
in cartilage tissue engineering: a review 19

ECOLOGY AND NATURE MANAGEMENT

Kirillov S.N., Polovinkina Yu.S.

Assessment of public greenery for Volgograd city 29

Ivantsova E.A.

Impacts of pesticides on soil microflora and useful biota 35

Kramar O.G., Kalashnikova S.A.

Microecological characteristics of intestinal biocenosis in residents of a large industrial city 41

GEOGRAPHY AND GEOINFORMATICS

Anopin V.N.

Landscape approach to the solution of the problem of land utilization optimization
in the south of the Volga upland 45

Rulev A.S., Yuferev V.G., Koshelev A.V., Tkachenko N.A.

Remote monitoring of the agro forestry landscapes with application of the GIS-technologies 51

Plyakin A.V., Bodrova V.N.

Spatial data infrastructure for regional geo-ecological assessment 59

Khavanskaya N.M.Formation's laws of geomining systems in the conditions of steppe landscapes
(on the example of the Volgograd region) 67

PSYCHOLOGY AND PSYCHOPHYSIOLOGY

Mirina O.L., Sadchikova E.V.

On the formation of social personal experience kindergarten 72

Kurysheva O.V.

Age aspects of the social categorization 77

Sergeev A.A., Kuchmistov K.A., Kovalenko E.S.

The influence as psychological phenomenon: a historiographical analysis 84

Shatyr Yu.A., Mulik I.G., Postnova M.V.

Initiating factors of psychoactive substance use in youth community 89

ABOUT THE AUTHORS 96