



## CONTENT

---

### BIOLOGY AND BIOTECHNOLOGY

---

#### *Agadzhanyan V.R.*

On changes in human body condition during  
the performance in personal protect clothes  
at the air temperature of 10 °C and 50 °C ..... 4

#### *Malanin D.A., Zhulikov A.L., Novochadov V.V.*

Morphology of regeneration in experimental  
non-full-thickness defects of hyaline cartilage  
after their cold ablation ..... 8

#### *Lyabin M.P., Semenov P.S.*

Improved technology obtaining chitosan ..... 17

#### *Zaitsev V.G., Litus E.A., Zhdanova A.V.*

Different changes of the serum albumin cobalt-binding capacity  
induced by various oxidants ..... 22

#### *Mikheyev A.V.*

The parametric aspects of classification  
of signal elements of mammals' information field ..... 26

### ECOLOGY AND NATURE MANAGEMENT

---

#### *Anopin V.N.*

Adaptive-and-landscape approach to the recultivation  
of degraded urbanized territories of the Lower Volga region ..... 31

#### *Kirillov S.N., Kholodenko A.V.*

Management anthropogenic impact  
in the natural parks of the Volgograd region ..... 40

#### *Kirillov S.N., Frolov M.Yu., Nefedov I.V.*

Medical and ecological aspects of the estimation population health ..... 49

---

**CONTENT**

---

***GEOGRAPHY AND GEOINFORMATICS***

---

***Plyakin A.V., Kozyreva V.N.***

Methodological approaches to the registration of the natural resource factor  
in sustainable development management of the municipal unions ..... 53

***Rulev A.S.***

Landscape-geographic research of the Lower Volga region steppe landscapes ..... 59

***Ryabinina N.O.***

Physico-geographical (landscape) zoning as a basis for singling out etalon landscapes  
of Volgograd region ..... 69

***Kulik K.N.***

Cartographic-geoinformation support landscape-ecological research ..... 76

***PSYCHOLOGY AND PSYCHOPHYSIOLOGY***

---

***Bulanova I.S., Chernov A.Yu.***

Classification of the types religious experience ..... 82

***Palkina T.S.***

Integration of psychological and economic knowledge on the example of consumer behavior ..... 88

***Svetlova A.S.***

Implicit theories of personnel selection as a psychological research object ..... 95

***Makarenko O.N., Teplyakov N.N.***

Subjective system of values: theoretical analysis ..... 100

***Zuev D.A.***

The nature of subjective meaning: from chaos to order ..... 108

***Mulik A.B., Postnova M.V., Mulik Yu.A., Nazarov N.O., Kudryavtseva G.A.***

Psychophysiological characteristics of student adaptation risks ..... 114

ABOUT THE AUTHORS ..... 126