



---

Soviet-era science, translated into English

# BIOCHEMISTRY

1961

SovietRxiv

---

View the original and related papers at <https://sovietrxiv.org/items/ru-196101.50922>

Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.

## Abstract

## Full Text

### BIOCHEMISTRY

**S. A. Burnasheva, M. V. Efremenko.** Adenine nucleotide, and adenosinetriphosphatase activity of Infusoria of the species *Tetrahymena pyriformis* . . . 203

**N. A. Gumilevskaia, N. M. Sisakian.** On the nucleotide composition of nucleic acids of certain insect species . . . 206

**A. A. Gurevich, N. A. Golosova.** The effect of aeration and hydrogen peroxide on the reduction of methemoglobin . . . 210

**T. N. Evreinova, I. M. Davydova, A. P. Sukover, S. V. Goriunov.** The nucleic acids of the thermophile blue-green alga *Mastigocladus laminosus* Cohn. . . . 213

**Hsu Ting Seng, M. I. Lerman.** Transamination between the amides of  $\alpha$ -amino- and  $\alpha$ -ketodicarboxylic acids . . . 217

### PLANT EMBRYOLOGY

**T. B. Batygina.** Changes observed in male gametes in the course of fertilization in wheats . . . 220

### PLANT PHYSIOLOGY

**P. V. Lebedev, N. S. Mel'nik.** The effect of nitrogen and of light intensity on tillering and productivity of *Phleum pratense* L. . . . 224

### PHYTOPATHOLOGY

**E. I. Slepian.** Types of bud terata, caused by Arthropodes, and their structural differences . . . 228

### ZOOLOGY

**M. I. Konstantinova.** The formation of musculature in the process of morphogenesis of *Harmothoe imbricata* L. (Polychaeta) . . . 232

### PHYSIOLOGY

**J. A. Vinnikov, M. M. Sokolova.** The sorption of vital stain by thread-like cells of the Corti's organs in guinea pigs under conditions of relative rest or sound stimulation . . . 236

**D. W. Ewer, W. Pople, D. M. Ross.** Sulphydryl groups and neuromuscular activity in invertebrates . . . 240

### PARASITOLOGY

**A. M. Lopukhina.** The influence produced by *Trienophorum nodulosus* Pallas on young of *Salmo gairdneri* hatched during the same year . . . 244

## ERRATA

In the article by **Kh. N. Zeitunian**, “On the nonlinear theory of a nonstationary skew wind,” published in DAN, vol. 133, No. 6, 1960:

On p. 1320, formula (12), instead of  $(\xi - \varepsilon')^m$ , one should read  $(\xi - \zeta')^m$ .

On p. 1321, formula (16), instead of

$$\sum_{k=2}^r 2^{k-1}(r-1)(r-1) \dots$$

one should read

$$\sum_{k=2}^r 2^{k-1}(r-1)(r-2) \dots$$

On p. 1321, formula (19), instead of  $+4\Gamma^2\chi^3F_{n-8}W_{n,2}$  one should read

$$+5\Gamma^2\chi^4F_{n-8}W_{n,2}.$$

In our article (**V. M. Darevskii and R. I. Kishniakin**, “Stability of a cylindrical shell reinforced with rings under the action of external pressure” ), published in DAN, vol. 134, No. 3, 1960, on p. 549, line 14, instead of  $k = 1 + (1 + h/H)/(h/H + \chi a/2R)$  it should be  $k = 1 + (1 - h/H)/(h/H + \chi a/2R)$ .

**V. M. Darevskii, R. I. Kishniakin**

*Note: Figure translations are in progress. See original paper for figures.*

*Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.*