



Soviet-era science, translated into English

MICROBIOLOGY

BIOPHYSICS

1964

SovietRxiv

View the original and related papers at <https://sovietrxiv.org/items/ru-196401.64434>

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

Abstract

Full Text

MICROBIOLOGY

E. N. Disler. Arginine and ornithine consumption by *Pseudomonas pyocyaneum* P. and *Pseudomonas fluorescens* 1448

BIOPHYSICS

G. T. Rikhireva, A. A. Krasnovskii, L. P. Kaiushin. The connection between the state of chlorophyll and the electron spin resonance spectra in plant leaves 1451

BIOCHEMISTRY

L. P. Alexeenko, V. N. Orekhovich. Chemical and physical-chemical descriptions of certain hemoglobins 1455

M. I. Gorjaev, Zh. K. Gimaddinov. A study of substances entering the composition of volatile oils. Correlation between stereoisomeric thujons in volatile oils of Artemisiae 1459

Z. G. Evstigneeva, K. B. Aseeva, W. L. Kretovich. Ammonia assimilation by a mycotrophic plant, *Monotropa hypopitys* L. 1461

I. B. Naumova, M. Sh. Zaretskaia. Certain properties of ribitol teichoic acid isolated from *Actinomyces violaceus* 1464

EXPERIMENTAL MORPHOLOGY

L. A. Nikitina. Transplantation of nuclei from the ectoderm and neural rudement of developing embryos in *Bufo bufo*, *Rana arvalis* and *Rana temporaria* into enucleated eggs of the same species 1468

PHYSIOLOGY

E. B. Babsky, V. L. Karpman, I. N. Ivanitskaia. Normal activity of electric systole in humans 1472

E. N. Pavlovskii, F. F. Talyzin, I. A. Valtseva, A. A. Pchelkina, I. B. Yurkova. The antidotal effect of propylgallate, heparin and hydrocortison on the venom of the ghurza (*Vipera lebetina*) 1476

CORRECTION

In my note (S. L. Pevzner, "Invariants and canonical representations of quadrics in quasi-elliptic spaces"), published in *DAN*, vol. 149, no. 4, 1963, on p. 775, in the representation of the matrix from Theorem 4, q zero rows and columns were omitted. The matrix should have the following form:

$$M^0 = \left\| \begin{array}{c|c|c|c} \mu_0 & & & 0 \\ & \ddots & & \\ & 0 & \mu_{m-(p-q)} & \\ \hline & 0 & & 0 \\ & & 0 & \dots h_{p-q} \\ & & \vdots & \ddots \vdots \\ & & h_1 & \dots 0 \\ \hline & & 0 & \dots h_1 \\ & & \vdots & \ddots \vdots \\ & & h_{p-q} & \dots 0 \\ \hline & \text{q rows} & & \\ \hline & 0 & & 0 \\ & & & \lambda_{m+p+1} \quad 0 \\ & & & \vdots \quad \vdots \\ & & & 0 \quad \lambda_n \end{array} \right\|.$$

S. L. Pezner

T-09702 Signed for printing 8/VI-1964. Print run 4985 copies. Order 578
 Paper size $70 \times 108^{1/16}$. Printed sheets 21.7 + 3 inserts. Paper sheets
 $7^3/4$. Publisher's sheets 22.4
 2nd printing house of the Nauka Publishing House. Moscow, Shubinskii Lane,
 10.

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

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