

SUBJECT INDEX

to the volume № XXXII, 1979

Acylases microbial. Use for production of optically active forms of aminoacids	850
Adenine. Taking off the inhibitory action of high concentrations in <i>Escherichia coli</i> by phosphoribosyltransferase mutations	375
Adenosindiphosphatase of soils. On the activity	77
Adreno- and cholinoreactive systems. Some aspects of the demecumaron action	116
Alaninedehydrogenase of yeasts. <i>Candida guilliermondii</i> VKM -Y-42 isoenzymes	1215
Allotransplantation of skin. Enzymes of ornithine cycle	167
Anther walls. Ultrastructure of <i>Cerasus vulgaris</i> Mill	111
Apple annual shoots of stocks. Histochemical study	546
Apricot, one year old twigs. Changes in water and sugar content in winter period	255
Arginase. Dynamics in rat ontogenesis	1179
Arginase activity of rat liver. Effect of protein nutrition and aminoacid injection	1226
Arginase of brain. Effect of manganese ions on rat brain activity during acclimation to cold	741
Arginase of cattle liver. Modification by N-bromosuccinimide	435
Arginase of frog liver, isoenzymes	1176
Arginase of rat liver. Some physico-chemical properties of isoenzymes	1236
Arginase of rat liver. Isoenzymatic spectrum	1185
Arginase of yeasts. <i>Candida guilliermondii</i> var. <i>Membranaefaciens</i> VKM-Y-43. Purification	906
Armenian Scale. New data on the bioecology	187
Armenian Scale. The entomophages and ways of their protection during chemical application	174
Asparaginase activity. Cell test-system for screening and study	912
Association of molecules. Cooperative interaction as one of properties	361
Astragalus. A new species of USSR flora	586
ATP-ase of rat kidney slices. Effect of starvation on the activity	473
ATP, the increase of hydrolysis rate after addition of oligomycin	1151
Azotobacter. Action of ethyleneimine and ultrasonics	884
Bacterial endotoxin. Influence on RES and formation of antiviral immunity	215
Barley. On an increase of seedling initial growth in M_2 under the action of ethyleneimine	992
Bryological findings' new for Armenia	588
Caffeina. Modification effect on chemically induced aberrations in phase BCI of <i>Crepis capillaris</i> chromosomes	975
Capsicums, photosynthetical efficiency cultivated under hydroponics. The effect of planting density	21
Cardioactive compounds. On some properties	397
Carp. Growing under conditions of Armenian SSR	244
Catalase, specific activity. Determination in intact bacterial cells of <i>Escherichia coli</i>	481

Catepsin D. Dissociation of rat brain proteins	735
Cedar siberian. Creation of plantations in Northern Armenia	85
Cell test-system. For screening and study of fermentative preparations with asparaginase and glutaminase activity	912
Cherry-making. Use of yeast autolyzate	465
Chloramphenicol. Modification of nitrous mustard gas effect at the stages Cvi, S, C2 of mitotic cycle of <i>Crepis capillaris</i> cells	981
Chlorocholinchlorid. Mutagenic properties	1038
Chromatin. Hydrocortison. Fluorescent analysis	5
Chromatin of rat liver. Study under the high-protein and nonprotein diet . . .	775
Chromatin. Study under the action of hydrocortison in vitro	1169
Chromosome aberration. Study of types in human lymphocyte under the treat- ment by multicentric mutagens and modificators	1020
Citrulline. Enzymes of lactic bacteria and streptococci in biosynthesis	916
Cochineal. Breeding under artificial conditons	230
Cochineal. Chromosome-nucleus apparatus. Oocyte nucleus in oogenesis . .	1129
Cochineal. On the structure type of ovarioles	204
Cochineal. Synthesis and accumulation of DNA in follicular period of develop- ment	1209
Coronaroactive substances isolated from cattle heart muscle. Action on phosphi- horilase activity	470
Creatine kinase activity. Combined effect on organism of beta-irradiation and heating	402
Creatine phosphokinase of heart mitochondria and sub-mitochondrial particles. Method of penetrating ions	763
Crops under mountain conditions. Modern problems of standard quantity of seed per hectare	605
Cucumber. Leave endogenous regulators. Influence of some physiologically active substances	557
Cytological effect of irradiation. Modification by combined action of protectors and inhibitors	958
Derivatives of aminoacids in the hypothalamus, neurohypophysal system and heart	104
Dimecumarol. Some aspects of action on adreno- and cholinoreactive systems	116
Diphryl and its oxi-analogues. Some aspects of action	142
DNA. Change of content under the action of Gibberellic acid	16
DNA. Circular, from sarcoma tumor cells of rat	320
DNA in wheat aleuron tissue	16
DNA of dp8 phage. <i>Salmonella derby</i> . Physical properties	357
DNA of dp8 phage. Transfection in radiosensitive mutants	352
DNA of dp8 phage. Transfection in <i>Salmonella derby</i>	352
DNA of oocyte nucleus. Synthesis and accumulation in follicular period of deve- lopment of Ararat cochineal ovariole	1129
DNA of tumorbearing rat. Effect of alkalinizing cancerolitic	1084
Dye. Effect on the value of membrane potential of wheat and maize cells . .	1177
Electrocoagulation of parathyroid glands. Effect on the quantity of rosette for- ming cells	448
Electrostatic field. Effect on the activity of some respiratory enzymes	157
Enzymes of branched chain aminoacid transamination of <i>Candida guilliermon-</i> <i>dii</i> . Influence of different inhibitors on the activity	901
Enzymes of ornithine cycle. Cutaneous allotransplantation	167
ERG of frog. Peculiarities and dynamics at post-metamorphose ontogenesis .	786
Eroded pastures. The influence of annual estrangements on the biological pro- ductivity	57
Eroded pastures. On the sward formation under reservation	506

Erosion. Hazard of appearance in relatively humid cinnamonic forest soil zone of the Armenian SSR	652
Erythrocytes. Effect of lipids on elastic-mechanical properties	1124
Erythrocytes, magnetic field influence settling reaction	782
Ethanolamine. Effect on the chemosensitivity of the snail giant newronal membrane	455
Ethyleneimine, action on azotobacter	584
Ethylenemaleinimide. Influence on flows in frog muscle under potassium deficit in Ringer's solution	1158
Ethyleneimine. On an increase of barley seedling initial growth variability in M_2 , Essential oil of ordinary basil plant. Productivity and quality under hydroponics	992
Fabaceae. Floristic findings in Armenia	691
Fagus orientalis Lypsky. On the populational variability of seed weight	592
Fertilizers nitrogen. Influence on the yield of winter wheat	1015
Fertilizers potassium. Methods of plant requirement determination	645
Flea ceratophyllus caspius. On ecology connected with its epizootological importance in the mountain plague breeding ground of transcaucasica	626
Forest reclamation plantations. Biometric indexes and water regime	841
Fungal resistance of cement composition	553
Fungi, parasitic and saprophytic, detected in the Armenian SSR	926
Gel-filtration on a column with A—5m biogel. The use for Okhotsky virus (Orbivirus, Reoviridae) purification	496
Genes lethal. T. macha	1239
Gibberelic acid. Cytological analysis of effect on tomato seeds	489
Glucocortinoides. On the mechanism of interaction with cell genetic apparatus	963
Glucoselsoemerase. Distribution in various species of sporeforming bacteria	1104
Glutamatdehydrogenase of yeasts VKM 4—42. Isoenzymes	919
Glutamic acid. Oxidation and regulation in different regions and subcellular particles of brain	1215
Glutaminase activity. Cell test-system for screening and study	110
Glutaminase of liver mitochondrial fractions. Effect of thyroid and steroid hormones on the activity	912
Glycogen synthetase. Some characteristics of partially purified J- and D-forms	12
Grape berries. Polymer complexes of cell-walls	682
Grapes. Metabolic changes in leaves of new sorts and elite forms in the process of mildew infection	801
Grapes. The content of free aminoacids	939
Grapes. The content of pigments in vine leaves and grapes. Dependence on the amount of absorbed sodium	25
Grapes. The dynamics and the character of ripening of annual sprouts	31
Half-deserted associations. On the accumulation of phytomass and energy	534
Heart muscle, aminoacid derivatives	704
Heart muscle. On some properties of cardioactive compounds	397
Henna and basma	1243
Hepatocytes. Age peculiarities of radiation reaction	150
Herbicide metazin. Study of mutagenic properties	1039
Heredity apparatus. On the symmetry	574
Hexokynase and its isoenzymes. Effect of neurohormone "C" on heart and other muscles activity	431
Hippocampo-hypothalamic connections in turtle. Electrophysiological investigations	163
Hormones. Corticosteroidal relationships between hexokynase activity, magnesium and manganese in liver	729
Hormone releasing luteinization. Effect on the glucose content in normal and alloxandiabetic rat	897

Hormones steroid. Effect on the glutaminase activity of rat liver mitochondrial fraction	1203
Hormones thyroid and its derivatives. The effect on the glutaminase activity of rat liver mitochondrial fraction	1203
Hormones thyroid. Effect on the glutaminase activity of rat liver mitochondrial fraction	447
Hormones thyroid. Role in regulation of skeletal muscle AMP-deaminase activity	715
Hydrocortison. Study of chromatin under the action in vitro	12
Hydrocortison. The effect on acid resistance of erythrocytes of mice bearing Ehrlich carcinoma	811
Hydroponics. Productivity and quality of essential oil of ordinary basil	691
Hypothalamus, aminoacid derivatives	104
Hypothalamus. Representation of the splanchnic afferent nerve fibres	225
Insect hemipterous. Species registered in the Armenian SSR for the first time	268
Insects. On the humoral immunity	179
Intercalare insertion. Structural interaction of graft components	704
Introducer, oak and pasanias	501
Introducers, annual sprouts. Peculiarities of growth and wintry regime	526
Ion exchange in Escherichia coli. Peculiarities	873
Irrigative water, polluted by industrial waste products. The influence on crop production	664
Irrigative water, polluted by industrial waste products. The influence on nutritive regime of soil	664
Lactatedehydrogenase. Phylogenetic tree of substratebinding part	1229
Lactatedehydrogenase of liver. Mathematical analysis of isoenzyme patterns after injection of Ehrlich ascites tumor cells	337
Lactatedehydrogenase of blood serum. Formation of isoenzyme patterns	382
Lactatedehydrogenase of rat tissue. Isoenzymatic spectrum under Walker sarcoma development	1098
Lactic bacteria and streptococcus. Enzymes of α -citrulline biosynthesis	916
Light-electronmicroscopic studies, correlation	476
Light forests arid. The ways of their reconstruction	51
Lipids. Effect on elastic-mechanical properties of erythrocytes	1124
Lymphatic ganglion. Countersuppressive activity of cells	771
Lymphocytes of a man. Chromosomal aberration under treatment with multicentric mutagens	1020
Lymphocytes of a man. Modifiers' effect on cytogenetic damages, induced by dipin	1035
Magnetic field. On erythrocyte settling reaction	782
Manganese ions. The effect on rat brain arginase activity during acclimation to cold	741
Membranes. Bilayer lipid. Study of break potential	1070
Membranes nuclear. Isolation under the hydrocortisone effect	1091
Method of nuclear magnetic resistance. Study of neurocurine	369
Method of mathematical analysis. Differentiation of experimental flows to unidirected	1154
Micoflora. New for the Armenian SSR species of mushrooms	594
Microbiological aspects of agricultural pest control. Problems	829
Microflora of chernoziom soils in Armenia	889
Microorganisms, genetical structures. Effect of macrocyclic poly-ethers	1146
Microorganisms of rhizosphere of plants. Synthesis of physiologically active substances	69
Microsporogenesis. Some peculiarities of soft wheat radiomutants	948
Micromys musculus. Undersnow nests in transcaucasian high-mountain plague centre	338

Mitochondria. Free radical activity after the action of electrostatic field	1112
Modificators. Action on cytogenetic damages induced by dipin in human lymphocyte culture	1035
Moniliases of fruit. The influence of some sugars on spore germination and on growth of patogen mycelium	64
Motor acts, structural organization. System analysis	865
Mustard gas nitrous. Modification of effect by chloramphenicol at stages of mitotic cycle of <i>Crepis capillaris</i> cells!	981
Mutagens chemical. Effectiveness in induction of visible mutations in <i>Coreopsis tinctoria</i> Nutt	968
Mutants M_4 of kidney-beans. The characteristic	987
Mutants of <i>Escherichia coli</i> defective to the use of purine nucleosides	923
Mutants of <i>Escherichia coli</i> K-12. Positive method of selection	346
Mutants of soft winter wheat. Microspore formation under radiation	513
Mutants of <i>S. derby</i> . UV-sensitive. Some properties	1030
Mutations in <i>Escherichia coli</i> by adenine phosphoribosyltransferase. Taking of the inhibitory action of high adenine concentration	375
NADP-malic-enzyme. Some properties of pears	460
Nectaries-lateral. The mode of shape varying	582
Nematodes of armenian fish. Two new species	929
Neogobius fluviatilis. On the presence in the Armenian SSR	265
Nerve impulse. On the mechanism of transmission	755
Neurocupreine. Investigation by NMR method	369
Neurohormone "C". Effect on the activity of hexokinase and its isoenzymes in heart and other muscle	431
Neurohypophys. Derivatives of aminoacids	104
Nonparametrical analogues of T-criterion and P-criterion. Application in medico-biological studies	1135
Nonparametrical methods of multifactor medico-biological experiment analysis	136
Non-saturated oil acids. Influence on β -glucuronidase activity	407
Nucleic acid, structural organization	301
Nucleic acid, the oocyte-auxillary cell system as a model for study during cell differentiation	279
Octahydronaphthazepines. Influence on monoamine oxidase activity and content of serotonin and noradrenaline in rat brain	723
Oleinic acid, L-tocopherolacetate, joint use. Effect on Krebs cycle	419
Pancreas. Compensatory-adaptive processes in stomach after resection	748
Pancreas. The spectrum of proteolytic activity of dog gastric juice under the external secretion activity shut off	442
Parietal cortex. Efferent connections with basal ganglia and diencephalon	130
Phages. <i>Pseudomonas putida</i> . Physico-chemical characteristics	372
Phospholipids, metabolism in liver tissue. Changes under irradiation complicated by thermal burn	1189
Phosphorilase activity. Effect of coronaroactive substances isolated from cattle heart muscle	470
Phosphoproteinphosphatase. Intracellular regulation	1232
Photosynthesis of potatoes. Intensity and productivity under field conditions	88
Phtasin. Effect on tetracycline concentration	220
Pigments. The content in vine leaves and grapes depending on the amount of absorbed sodium	25
Plankton of the lake Sevan. Determination of primary productivity	233
Polyethers macrocyclic. Effect on genetic structures of microorganisms	1146
Polygonum. On bile-expelling property	818
Potatoes. The intensity and productivity	88
Prolin, enzymes of biosynthesis. Dinamics in rat ontogenesis	1179

Prolineoxydase in <i>Saccharomyces vini</i> . Regulation	187
Protein of intact bacterial cells. Turbidimetric method of determination	479
Protein, synthesis. The oocyte-auxiliary cell system as a model for cell differentiation study	279
Proteolytic activity. Spectrum under the external secretion activity of pancreas shut off	442
Radiation synchrotronic. The use in biological studies	1153
Radiomutants of soft wheat. Some peculiarities of microsporogenesis	948
Reclamation chemical. Reclaimed soils in the Ararat plane	619
Respiratory enzymes. Effect of electrostatic field	157
Serotonin. Effect on temperature alterations within thermoneutral zone	95
Serum proteins. Synthesis by cultivated tumor cells	325
Snail, giant neuronal membranes. Ethanolamine effect on the chemosensitivity	455
Soil resources. Status of survey and utilization	912
Soils. Adenosindiphosphatase activity	77
Soils. Calcium exchange. Determination	568
Soils. Erosion hazard	652
Soils. Fermentative activity	636
Soils. Magnesium exchange. Determination	568
Soils. Meadowchernozem. Agrophysical characteristics	659
Soils. Microorganisms as indicators of soil pollution	541
Soils mountain-meadow. Fermentative activity	636
Soils of the Armenian SSR. Process and regime study	631
Soils. Organic matter of main type. Comparative characteristics	695
Splanchnic nerve. Reresentation of afferent fibres in hypothalamus	225
Sporeforming bacteria. Distribution of glucose isomerase	919
Streptococci, resistant to phenol, acidophilic, lactic	879
Threemetaphosphatase of brain. Some peculiarities	1197
Tocopherolacetate, oleinic acid, joint use. Effect on Krebs cycle	419
Tobacco. Effectiveness of fertilizers on different types of soil in the Armenian SSR	429
Tobacco. Effect of mineral fertilizers	43
Tobacco. Intergrade hybrids of elder generations. The influence of transgressive variability on productivity	996
Tobacco. Study of aneuploid forms	1901
Tomato. Aminoacid composition	250
Tomato. Characteristics of VTM strains	262
Tomato, interspecific hybrids. Interbreeding between different generations	81
UV-mutants <i>Salmonella derby</i> . Sensitivity to chemical agents	378
Ventral lateral nucleus of cat thalamus. On neuronal organization	121
Vine. Microflora under hydroponics	599
Vine. The influence of low hardening temperatures on the change of endogenous growth regulators	943
Virus Okhotsky (Orbivirus, Reoviridae). The use of gel-filtration on a column with A-5 m biogel for purification	1239
Vitamin E. Effect on rat thiol group content after burn	41
Vitamin P. On the content in cherry	815
Water physically activated. Application for leaching soda salinealcaline	677
Wheat, hybrids. Hereditability and transgressive variability of plant height and ear yield	36
Whitefishes of the lake Sevan. On fecundity	237
Yeast autolyzate. The use for accelerating of the cherry-making process	465
Yeast. Encapsulated cells. Alanineacylase activity	860
Yeasts <i>Candida gulliermondii</i> VKM Y-42. Isoenzymes of alanine and glutamatehydrogenases	1215
Yeasts. Vine culture in Armenia. Morpho-physiological characteristics	896
1292	