

BIBLIOGRAPHY

Russian authors

1. Afrikyan, E. K., Group Distribution of Sporeforming Soil Bacteria.-Izv. AN Arm. SSR (Proceedings of the Academy of Sciences, Armenian SSR), Vol IV, No 12, 1951a; The Composition of Bacillar Population in Soils under Some Plants.-DAN Arm. SSR (Reports of the Academy of Sciences, Armenian SSR), Vol XIV, No 9, 1951b.
2. Afrikyan, E.K., Ecological and Geographical Distribution of Some Groups of Sporeforming Bacteria in Armenian Soils.--Sb. Voprosy s/kh i prom. mikrobiol. (Collected Papers of Agricultural and Industrial Microbiology), Vol I, Edition 1, 1953.
3. Afrikyan, E.K., On Regularities of the Ecological and Geographical Distribution of Bac. mycoides and Bac. mesentericus in the Light of Interspecies Antagonism.-Tr. In-ta mikrobiol. (Works of the Institute of Microbiology), Vol III, p 144, 1954a.
4. Afrikyan, E.K., Antagonistic Effect of Sporeforming Bacteria on the Culture of Azotobacter.-Tr. In-ta Mikrobiol. (Works of the Institute of Microbiology), Vol III, p 154, 1954b.
5. Akhinyan, R.M., Izuchenie biologii epifitnoi mikroflory vinograda sorta "Kakhet" (Study of the Biology of the Epiphyte Microflora of "Kachet" Grapes).-Diss. (Thesis), Erevan, 1952.
6. Arkhipov, V.V., On the Possibility of the Destruction of the Causative Agent of Anthrax by Planting Cultivated Grasses.-"Veterin". (Veterinary Science), No 3, p 33, 1951.
7. Arkhipov, V. V., On the Problem of Disinfection and Sanitation of Soils by Plant Cultivation. -"Veterin". (Veterinary Science), No 6, p 53, 1954.
8. Akhromeiko, A.I., Liberation of Mineral Compounds by Plant Roots.--Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), pp 215-254, 1936.
9. Akhromeiko, A.I., Shestakova, V.A., The Role of Microorganisms in the Nutrition of Plants.--Dokl. na nauch. konf. n-tekh. sov. M-va s/ kh SSSR (Lecture on the Scientific Conference of the Scientific Technical Council of the Ministry of Agriculture of the USSR), 18/VI, 1954.
10. Akhromeiko, A.I., Shestakova, V.A., The Role of Microorganisms in the Nutrition of Wood Plants.--Tr. konf. po prim. izotopov v mikrobiol. (Proceedings of the Symposium on Isotope Application in Microbiology), p 156, 1955.
11. Aksakov, S.T., Zamechaniya i nablyudeniya okhotnika kak brat' griby (Hunter's Notebook-How to Pick Mushrooms).-Vol V, 1896.
12. Al'bitskaya, O.N., O roli pochvennykh gribov v razlozhenii rastitel'nykh ostatkov i obrazovanii vodnorastvorimykh peregnoinykh veshchestv (On the Role of Soil Fungi in the Decomposition of Plant Residues and the Formation of Water-soluble Humic Substances).-Avtoref. Diss. (Thesis), Moscow, 1954,
13. Alekhin, V.V., Geografiya rastenii (Plant Geography).-Uchpedgiz (Gosudarstvennoe uchebno-pedagogicheskoe izdatel'stvo- State Training and Pedagogical Literature Publishing House), Moscow, 1950.

14. Aleksandrova, L.I., On the Nature and Properties of Interaction Products of Humic Acids and Sesquioxides of Hymates.-"Pochvoved". (Soil Science), No 10, 604, 1951; No 9, 1954; Uchen. zap. LGU ser. geolog. pochv. (Proceedings of Leningrad State University, geolog. soil series), No 12, p 77, 1944.
15. Andreyuk, E.I., Mikrobiologicheskoe issledovanie nekotorykh torfo-kompostov (Microbiological Investigation of Certain Peat Composts).- Avtoref. Diss. (Thesis), Kiev, 1954.
16. Antipov-Karataev, I.N., Kellerman, V.V., Khan, D.O., O pochvennom agregate i metodakh ego issledovaniya (On the Soil Aggregate and the Methods of Its Investigation).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1948.
17. Askarova, S., Combating Gummosis of the Cotton Plants with the Aid of Antibiotics. -Khlopkovodstvo" (Cotton Growing), No 5, p 38, 1951.
18. Aekarova, S., Aktinomitsety-antagonisty i ispol' zovanie ikh v bor'be s gommozom khlopchatnika (Actinomycetes-Antagonists and their Utilization against Gummosis of the Cotton Plant).--Diss. (Thesis), Tashkent, 1952.
19. Avdonin, N.S., The Uptake of Nutrients by Plants.-Khimizatsiya sots. zemledeliya (Application of chemistry in soc. agriculture), Nos Q-10, p 532, 1932.
20. Babak, N.M., Azotobakter v pochvakh Moldavii (Azotobacter in Moldavian Soils). --Diss. rukopis' (Thesis, manuscript).
21. Bachinskaya, A.A., The Growth History of a New Culture of Yeast Fungus Saccharomyces paradoxus.--"Mikrobiologiya" (Microbiology), Vol I, p 231, 1914.
22. Bachinskaya, A.A., On the Structure and Growth of the Azotobacter.- Tr. Vses. In-ta s/kh mikrob. (Works of the All-Union Institute of Agricultural Microbiology), Vol VI, p 3, 1935.
23. Bachinskaya, A.A., Kondrat'eva, T.M., Races of Az. chroococcum Beij. and Az. unicapsulatae n. sp. Isolated from the Soil of the Trans-Volga region.-"Sov. bot." (Soviet Botany), Nos 5-6, p 94, 1941.
24. Baranov, V.I., Tseitlin, S.G., The Content of Radioactive Elements in Some Soils of the USSR. -DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XXX, No 4, 1941.
25. Barber, M., Variants of Staphylococci Resistant to Antibiotics.-Sb. Adaptatsiya u mikroorganizmov (Adaption in microorganisms, Collected Papers), p 359, 1956.
26. Bartsinskii, R.M., On the Stimulation of Growth by Orobanche cumara Wallr). -DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XI, No 4, p 306, 1935.
27. Beilin, I., Zarazikha na podsolnechnike i mery bor'by s nei (Orobanche on Sunflower and How to Combat it). -Krasnodar, 1941.

28. Belozerskii, A.N., On the Chemical Nature of Volutin.--"Mikrobiol. " (Microbiology), Vol XIV, No 1, 1945.
29. Belozerskii, A.N., On the Bacterial Nucleus.--"Mikrobiol. " (Microbiology), Vol XIII, No 1, 1944.
30. Belozerskii, A.N., On the Composition of the Protoplasm of Spirillum volutans Cells in Relation to the Age of the Culture.--"Mikrobiol. " (Microbiology), Vol X, No 2, 1941.
31. Bel'tyukova, K.O., Kisel', P., The Effect of Some Antibiotics on the Causative Agents of Plants' Bacteriosis--"Mikrobiol. zhurn. " (Journal of Microbiology), Vol XII, No 1, 1950.
32. Bel'tyukova, K.O., Spectrum of Action of Microcid on Phytopathogenic Bacteria. --"Mikrobiol. zhurn. " (Journal of Microbiology), Vol XIII, No 3, Kiev, 1951.
33. Belyakova, L. P., The Correct Plant Rotation and Soil Fertility. The Soils of the Vakhsh Valley.--Tr. Vakhshsk. pochv. mel. st. AN Tadz. SSR (Works of the Vakhsh Agricultural Irrigation Station of the Academy of Sciences of the Tadzhik SSR), p 917, 1947.
34. Belyakova, L. P., Studies of the Processes of Decomposition of Organic Residues in Soil and Fixation of the Decomposition Products. --Trudy In-ta pochvov. AN Tadz. SSR (Works of the Institute of Soil Science of the Academy of Sciences of the Tadzhik SSR). Vol II, p 117, 1953.
35. Belyakova, L. P., Parishkura, N. S., The Effect of the Mechanical Composition of Soils of the Vakhsh Valley on their Fertility.-Trudy AN Tadz. SSR (Works of the Academy of Sciences of the Tadzhik SSR), Vol XI, p 45, 1953.
36. Berezova, E.F., Bacteria Effective against Fungal Diseases of Agricultural Plants; Bacterization of Seeds as a Method of Combating Flax Diseases.--"Mikrobiol. " (Microbiology), Vol VIII, No 2, pp 186-197, 1939; Vol VIII, No 6, p 695, 1939.
37. Berezova, E.F., The Microflora of the Rhizosphere of Flax.-Trudy In-ta mikrobiol. (Works of the Institute of Microbiology), pp 70-97, 1941-1945.
38. Berezova, E.F., The Microflora of the Plant-root System and the Methods of its Study.--Trudy In-ta s kh mikrobiol. (Works of the Institute of Agricultural Microbiology), Vol XII, p 39, 1951.
39. Berezova, E.F., The Interrelation Between Plants and Soil Microflora.-"Agrobiol. " (Agric. Biology), No 5, p 45, 1953a.
40. Berezova, E.F., On the Role of Microorganisms in Plant Nutrition. --Sb. Rol' mikroorganizmov v pitanii rastenii (Collected Papers on the Role of Microorganisms in Plant Nutrition), 1953b.
41. Berezova, E.F., The Role of Microorganisms in Plant Nutrition.-Tr. plenuma seksii udobr. VASKhNIL [Vses. Akad. S-kh Nauk im. V. I. Lenin] (Works of the Section of Fertilization of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), p 9, 1953c.

42. Berezova, E.F., Modern Soil Microbiology and its Tasks. --"Mikrobiol. " (Microbiology), Vol XXIV, No 6, 1955.
43. Bilai, V.I., Yadovitye griby na zerne khlebnykh zlakov (Poisonous Fungi on Cereal Grains).--Izd. AN SSSR (Publication of the Academy of Sciences of the Ukrainian SSR), Kiev, 1953.
44. Bilai, V.I., Fuzarii (Fusaria).--Izd. AN Ukr. SSR (Published by the Academy of Sciences of the Ukrainian SSR), Kiev, 1955.
45. **Bogopol' skii**, M.D., Adsorption of Bacteria by Lowland Peat.--"Torf. delo" (Peat Science), No 1, p 36, 1933.
46. Bogopol'skii, M.D., The Plant Rhizosphere as a Biological Factor of the Perishing of Bacteria of the Colon- Paracolon Group. -"Microbiol. " (Microbiology), Vol X, No 1, 1948.
47. Bogopol'skii, M.D., Research of the Bacteriostatic Properties of the Soil with Regard to Bacteria of the Colon- Paracolon Group.--"Mikrobiol. zhurn. " (Journal of Microbiology), Vol XII, No 4, p 6'7, 1950.
48. Boisen-Jensen, P., Rostovye gormony rastenii (Growth Hormones of Plants).- (Translated from English), 1938.
49. Bolotov, (according to Pryanishnikov, 1952).
50. Bordukova, M.V., New Means of Combating Phytophthora.--"Sad i ogorod" (Garden and Orchard), No 9, p 162, 1947.
51. Brodskii, A.L., Soil Protozoa and their Role in Soil Processes.--Byul. Sr. Az. gos. univ. (Bull. of the Central Asia State University), 20, p 54, 1935; Protozoa in Soil of Pamir.--Byul. Sr. Az. gos. univ. (Bull. of the Central Asia State University), 1, p 125, 1945.
52. Bukin, V.N., Vitaminy (Vitamins).--Moscow, 1940.
53. B u s s e n g o, 1837, 1838 (see Pryanishnikov, 1945).
54. Butkevich, V.S., On the Bacterial Population of the Caspian and Azov Seas. --"Mikrobiol. " (Microbiology), Vol VII, p 1005, 1938.
55. Byalosuknya, V.V., Nitrogenous Sources of Nutrition of Higher Plants in Pure Cultures. Izv. SPb. bot. sada (Bulletin of the St. Petersburg Botanical Garden), Vol I, 1917.
56. Chailakhyan, M.A., Megrabyan, A.A., Selective Bactericidity of Tissues of Leguminous Plants on Root-nodule Bacteria.-DAN Arm. SSR (Reports of the Academy of Sciences of the Armenian SSR), Vol XX, No 3, p 99, 1955.
57. Chailakhyan, M.A., Megrabyan, A.A., Karapetyan, N.A., Selective Bactericidity of Roots as a Factor of Relationship between Leguminous Plants and Root-nodule Bacteria.--Izv. AN Arm, SSR (Reports of the Academy of Sciences of the Armenian SSR). Vol VIII, No 3, 1955.
56. Chelyadnikova, A.I., Naumova, A.N., Disease of Water Parsnip upon Damage of the Symbiosis of Root Microflora. -Dokl. VASKhNIL(Reports of the All-Union Academy of Agricultural Sciences im. V.I.Lenin), No 11, p29, 1952.

59. Chesnokov, V., Bazyrina, E., The Participation of Roots of Higher Plants in the Nutrition of Soil Microorganisms.-Trudy Petergof. biolog. In-ta (Works of the Peterhoff Biolog. Institute), Vol XI, pp 55-68, 1934.
60. Chizhevskii, M.G., **Makarov, P.A.**, On the Biological Melioration of Salinized Soils. --"Pochvoved. " (Soil Science). No 3, 1939.
61. Chizhov, 1931 (cited from Savvinov and Pankova, 1942).
62. Cohn, M., Monod, J., Specific Repression and Induction of Enzymatic Biosynthesis. -Sb. Adaptatsiya u mikroorganizmov (Coll. Adaptation in Microorganisms), p 208, 1956.
63. Dagis, I.K., Experiments on the Application of Growth Stimulants and Microelements for the Increase of Plant Crops.-Izv. AN Latv. SSR (Proceedings of the Academy of Sciences of the Latvian SSR), No 7, 84. 1954.
64. Daineko, L., Synthesis and Metabolism of Hormones in the Animal Organism.-Uch. zap. Perm. ped. In-ta (Proceedings of the Perm Ped. Inst.), No 5. 1939.
65. Danilov, D.N., Geographical Distribution of Fungi.-"Sov. bot. " (Soviet Botany), No 2, p 38, 1943; "Bot. zhurn. " (Journal of Botany), No 2, p 167, 1949.
66. Daraseliya, N.K., Biological Methods of Combating Tea and Citrus Diseases. - Byul. In- ta chaya (Bull. Tea Institute), No 3, p 88, 1949.
67. Daraseliya, N.K., The Growth of Azotobacter in the Rhizosphere of the Tea Bush.--"Pochvovedenie" (Soil Science). No 1, pp 35-38, 1950.
68. Devyatin, V.A., Vitaminy (Vitamins). -Moscow, 1948.
69. De mid e n ko, 1928 (cited from Krasil'nikov, **1940a** and b).
70. Detinova, L., 1937 (see Meisel', 1950).
71. Dianova, E.V., Voroshilova, A.A., Bacterial Adsorption by Soil and its Effect on Microbiological Activity.--"Nauchno-agronom. zhurn. " (Journal of Agron. Science), No 2, p 520, 1925.
- 71a. Davydov, P., Application of Mycolytic Bacteria against American Mildew of Gooseberry.--Dokl. VASKHNIL (Reports of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 9, 35, 1951.
72. Dean, A., Hinshelwood, S., Observation on Bacterial Adaptation. - Adaptatsiya u mikroorganizmov (Adaptation in Microorganisms), p 42, 1956. (Russian translation).
73. Devi, 1813. (according to Pryanishnikov, 1952).
74. Dikanskaya, E.M., Obrazovanie riboflavina mikroorganizmami (The Formation of Riboflavin by Microorganisms)--Diss. (Thesis), 1951.
75. Dogel', V.A., Obshchaya protistologiya (General Protistology).--"Sov. Nauka" (Soviet Science), 1951.
76. Dolgov, S.I., On the Forms and States of Soil Moisture.--"Pochvoved. " (Soil Science), No 7, 1946.

77. Dorosinskii, A.M., The Role of Microorganisms in the Root Nutrition of Plants. – Sb. trudov plen. sek udobr. VASKhNIL (Coll. Works of the Plenum of the Fertilizer Section of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), p 19, 1953.
78. Dorosinskii, A.M., Lazarev, N.M., The Role of Microorganisms in Root Nutrition of Plants.--“Agrobiol. ” (Agricultural Biology), No 4, pp 39-45, 1949.
79. Doyarenko, Tr. I-go Mendel. s"ezda 1909 (Works of the 1st Congress in Memory of D. I. Mendeleev), (cited according to Isakova, 1934).
80. Dragunov, S. S., Comparative Studies of Soil and Peat Humic Acids.--“Pochvoved. ” (Soil Science), No 7, 1948.
81. Drobkov, A.A., The Biological Role of Natural Radioactive Elements.--“Usp. Sov. biol. ” (Advances in Soviet Biology), Vol XXXI, No 1, 1951.
82. Dubos, R., Bakterial' naya kletka (The Bacterial Cell).-Moscow, 1948 (Russian translation).
83. D'yakova, E., The Effect of Nutrition of the Carotene Content of Grass Fodder.-Doklady VASKhNIL (Proceedings of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 6, 1945.
84. Egorova, A.A., The Thermophilic Bacteria in the Arctic.-DAN SSSR (Reports of the Academy of Sciences of the USSR), No 8, p 647, 1938.
85. Elenkin, A.A., Sine-zelenye vodorosli (Blue-green Algae).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1936.
86. Elin, V. L., Izmenchivost' mikrobov (Microbial Variability).-Moscow, 1954.
87. Ellengorn, Ya.E., Cellular and Physiological Analysis of Interrelationship between the Tissues of Stock and Graft.-Izv. AN, seriya biol. (Proceedings of the Academy of Sciences, Biological Series), No 2, pp 21-29, 1951.
88. Ellengorn, Ya.E., Zhironkin, I.M., Cell Proliferation and Ontogenesis of Nuclei in the Process of Growth of Grafts of Lentil on the Stems of Black Currants and Willow.-Izv. AN SSSR, ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biol. Series), No 5, p 35, 1951.
89. E p s h t e i n, 1902 (cited according to Isakova, 1936).
90. Ermol'eva, Z.V., Penitsillin (Penicillin). – Moscow, 1946.
91. Ezrukh, E.N., Azotobakter Kol'skogo poluostrova i ego prakticheskoe primeneniye (Azotobacter of the Kola Peninsula and its Practical Application).-Diss. (Thesis), 1955.
92. Fedorov, M.V., Ernandes, A., The Effect of the Prolonged Application of Fertilizers and Plant Monoculture on the Distribution and Nitrogen-fixing Activity of Azotobacter in Podsol Soils.-Izv. s-kh. akad. im. Timiryazeva (Proceedings of the Agricultural Academy im. Timiryazev), No 1, p 145, 1955.

- 93 Filippov, G.S., Strain Formation in Torulopsis glutinis after X-ray Irradiation.--"Vestn. rentg. i radiol. " (Journal of Roentg. and Radiol.). Vol x, p 512, 1932.
94. Fisher, A., (see Dubos, 1948).
95. Flerov, A.F., Kovalenko, E.I., The Effect of Growth Factors and Alkaloids on the Growth of Grafts and the Germination of Vine Seeds, -- DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LVIII, No 4. 1947.
- 96 Fomin, A.E., Plant Nutrition with Participation of Microorganisms.-- Nauchn. otchet In-ta zemled. Yugo-Vost. SSSR za 1951g (Scientific Reports of the Agricultural Institute of Southeast USSR for 1951). p 92.
- 97 Fomin, A.E., Astakhova, N.K., Gvozdeva, S.V., Sbornik izotopy v mikrobiologii (Coll. Isotopes in Microbiology).-Moscow, 1955.
98. Foster, D., Khimicheskaya deyatelnost' gribov (The Chemical Activity of Fungi).-1950. (Russian translation).
99. Galakhov, N.N., Mottled Fungi.--Byul. geofiz. i fenol. ROLM (Bull. Geophysics and Phenol. ROLM), No 3, p 60, 1929.
100. Gamaleya, N. F., Biologicheskie protsessy razrusheniya bakterii (Biological Processes of Bacterial Destruction).-Moscow-Leningrad, 1934.
101. Gartman, M., Obshchaya biologiya (General Bioogy).--Moscow, 193 1 (translated from German).
102. Gedroits, K.K., The Problem of Soil Structure and its Importance in Agriculture. --Izv. Gos. In-ta. op. agronom. (Proceedings of the State Institute of Experimental Agronomy), Vol IV, No 3, 1926.
103. Gedroits, K.K., The State of the Soil Structure Problem.--Trudy Sov. sekts. MAP-- Mezhdunarodnaya asotsiatsiya pochvovedov (Proceedings of the Soviet Section of the International Soil Scientists Association), 1933a.
104. Gedroits, K. K., Uchenie o poglotitel'noi sposobnosti pochv (Studies of Soil Adsorption Capacity).-- Moscow, 1933b.
105. Geier, 1882 (see Fred et al., 1932).
106. Geller. I., The Effect of Plants on the Redox Potential of the Soil.-- DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXXIX, No 3, 1953.
107. Gel'tser, F.Yu., Znachenie mikroorganizmov v obrazovanii peregnoya i prochnosti struktury pochvy (The Importance of Microorganisms in the Humus Formation and Stability of the Soil Structure).--Moscow, 1940.
108. Genkel', P.A., Ustoichivost' rastenii k zasukhe i puti ee povysheniya (Methods for Increasing the Resistance of Plants to Drought). Moscow, 1946.
109. Gerbart, O.G., On the Suppression of Azobacter in Wheat Rhizosphere.-- Nauch. zap. L'vovsk. gos. univ., ser. biokh. (Reports of the Lvov State University, Biochemical Series), No 6, p 48, 1952.

110. Gerchik, F., Bacteriophage Lysis without Formation of the Bacteriophage.--
"Chekhosl. biol. " (Czechoslovak Biology), Vol I, p 159, 1945.
111. Gilyarov, M. S., Osobennosti pochvy kak **sredy** obitaniya i ee znachenie
v evolyutsii nasekomykh (The Properties of the Soil as a Medium of
Habitation and its Importance in the Evolution of Insects).--1zd. AN SSSR
(Published by the Academy of Sciences of the USSR), Moscow, 1949.
112. Gilyarov, M. S., Soil Fauna and Problems of Soil Zoology.--Izv. AN SSSR
(Proceedings of the Academy of Sciences of the USSR), No 8, p12, 1953.
113. Glazovskaya, M.A., The Effect of Microorganisms on Erosion of
Primary Minerals. -Izv. AN Kaz. SSR (Proceedings of the Academy of
Sciences of the Kazakh SSR), Vol LXXXVI, p 60, 1950.
114. Glauber, (see Pryanishnikov, 1945).
115. Glushchenko, I.E., Ellengorn, Ya.E., Afanas'eva. A.S.,
Zhironkin, I. M., On the Problem of the Origin and Development of
Plant Cells. --Tr. In-ta genetiki AN SSSR (Works of the Institute of
Genetics of the Academy of Sciences of the USSR), No 20, 1953.
116. Goiman, E. Infektsionnye bolezni rastenii (Infectious Diseases of Plants).--
Moscow, 1954.
117. Gollerbakh, M.M., Polyanskii, V.I., Presnovodnye vodorosli i ikh
izuchenie (Studies of Fresh-water Algae), --Obshch. chast'. Izd. AN SSSR
(General Part, Published by the Academy of Sciences of the USSR), No 1,
1951.
118. Golodkovskii, L.P., Golodkovskii, L.L., Kornevaya sistema
lyutserny i plodorodie pochv (The Root System of Lucerne and Soil
Fertility).--Soyuz NIKhI (The All-Union Scientific Research Cotton
Institute), Tashkent, 1937.
119. Golomedova, T.I., Further Studies of the Toxicity of Plant Water
Extracts for the Plants).--"Agrobiol. " (Agrobiology), No 2, p 125, 1954.
120. Golubinskii, I.O.. On the Interaction of Pollen Grains of Various Species
at Combined Cultivation under Artificial Conditions. -- DAN SSSR (Reports of
the Academy of Sciences of the USSR), Vol LIII, No 1, 1946.
121. Golubinskii, I.O., On the Mutual Influence of Seeds during Germination.--
"Priroda" (Nature), No.10, p 58, 1950.
122. Gordyagin, A. Ya., Rastitel'nost' Tatarskoi respublikii (The Flora of the
Tatar Republic).--"Priroda Kraya" (The Nature of the Region), Part I,
p 163, Kazan', 1922.
123. Gorlenko, M.V., Bolezni rastenii i vneshnyaya sreda (The Diseases of
the Plants and the Environment). --Moscow, 1950.
124. Gorlenko, M.V., Bakterial'nye bolezni rastenii (Bacterial Diseases of
Plants).--Moscow, 1953.
125. Gorlenko, M.V., Predatory Fungi.--"Priroda" (Nature), No 3, 1956.
126. Gorlenko, M.V., Voronkevich, I.V., Chumaevskaya, M.A.,
Bacteria- saprophytes as Causative Agents of Plant Diseases.-
"Agrobiol. " (Agrobiology), No 3, p 55, 1953.

127. Gorshkov, P.A., The Effect of Mineral Fertilizers on the Transformation of the Soil Organic Substance.-"Sovetskiia gron. " (Soviet Agron.). No 1, 1940.
128. Goryunov a, S. V., Khimicheskii sostav i prizhiznennye vydeleniya sine-zelenoi vodorosli Oscillatoria splendida (The Chemical Composition and the Secretions while Alive of the Blue-green Alga Oscillatoria splendida Grew).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1950.
129. Gostev, V.S., Biokhimicheskie osnovy meditsinskoj bakteriologii (The Biochemical Foundations of the Medical Bacteriology).-Moscow, 1951,
130. Gracheva, N.P., Directed Variability of the Colon Bacillus.-"Agrobiol. " (Agrobiology), No 3, p 136, 1945.
131. Grebinskii, S.O., The Physiological and Biochemical Properties of Mountainous Plants.-Usp, sov. biol. (Recent Progress in Biology), Vol XVIII, No 2, 1944; "Biokhimiya" (Biochemistry), Vol VI, p 253, 1949.
132. Grebinskii, S.O., Kaplan, S.M., Application of Combinations of Growth Substances for Rooting of Grafts.-DAN SSSR (Reports of the Academy of Sciences of the USSR), No 1. p 157, 1948.
133. Grimm, O., The Insects and their Importance in Agriculture. -"Priroda" (Nature), No 5, 1950.
134. Gubarev, E.M., Bakteriokhimiya (Bacterial Chemistry).-Kiev, 1952.
135. Gurinovich, E. S., Antagonosticheskie vzaimootnosheniya pochvennykh i nekotorykh fitopatogennykh mikroorganizmov (Antagonistic Interrelations between Soil and Some Phytopathogenic Microorganisms).--Diss. (Thesis), 1953.
136. Gusev. M.I., The Decomposition of the Organic Substances in the Soil and their Influence on their Physical and Physicochemical Properties.-"Khimiz. sotszeml." (Chemistry of Soc. Agriculture), No 5, 1940.
137. Hartmann, M., Obshchaya biologiya (General Biology).--Moscow, 1931, (translated from German).
138. Hewitt, L., The Influence of the Bacteriophage on the Variability and Evolution of Bacteria. Sb. adaptatsiya u mikroorganizmov (Collected works on Adaptation in Microorganisms), 422, 1956.
139. Ierusalimskii, N.D., Azotnoe i vitaminnoe pitanie mikrobov (Nitrogenous and Vitamin Nutrition of Microbes).-Moscow, 1949.
140. Imshenetskii, A.A., Stroenie bakterii (Bacterial Structure).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1940.
141. Imshenetskii, A.A., Bacterial Variability and Selection.-Trudy konf. po napravl. izmenchiv. i selekts. (Papers from the Conference on Directed Variability and Selection). Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1950.
142. Ioffe, A.Z., Toksichnost' gribov na perezimovavshikh v pole zlakakh (The Toxicity of Fungi on Cereals which Wintered in the Field).-Diss. (Thesis), 1950.

143. Isakova, A.A.. On the Problem of the Interrelationship between Higher Plants and Microorganisms. -Izv. AN SSSR, Otd. mat. nauk (Proceedings of the Academy of Sciences of the USSR, Mathematical Section), p 993, 1934.
144. Isakova, A.A., The Influence of External Conditions on the Change in Activity of the Plant Rhizosphere. -Izv. AN SSSR, Otd. mat. nauk (Proceedings of the Academy of Sciences of the USSR, Mathematical Section), p 1147, 1935.
145. Isakova, A.A., The Distribution of Azotobacter in the Rhizospheres of Subtropical Plants. -Trudy In- ta. Fiz. rast. (Works of the Institute of Plant Physiology), Vol I, No 2, 1935.
146. Isakova, A.A.. The Effect of Rhizosphere Bacteria on Plants and its Nature). - Trudy In-ta fiz. rast. (Works of the Institute of Plant Physiology), Vol II, No 1, 1936.
147. Isakova, A.A., The Effect of the Bacteria of the Rhizosphere on the Development of Plants, -Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), No 5, p 838, 1939.
148. Isakova, A.A.. The Choice of the Specific Microflora by Plant Roots. -- Trudy In-ta. fiz. rast. AN (Works of the Institute of Plant Physiology of the Academy of Sciences), Vol III, No 2, 1940.
149. Isakova, A.A., Andreeva, The Liberation of Nitrogenous Substances by Roots of the Legumes (Lupine) and their Transformation when Bacteria are Present. -DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XVIII, No 2. pp 101-103, 1938.
150. Ishcherekov, V., Soil Solutions.-Uch. zap. Kazansk. univ. (Proceedings of the Kazan University), Vol LXXVII, Nos 4-6, 1910.
151. Izabelinskii, M., Soboleva, R., On the Problem of Microbial Antagonism. - "Zhurn. epidem. i mikrob." (Journal of Epidem. and Microbiology), No 3, p 96, 1934.
152. Izrail'skii, V. P., Bakterial'nye bolezni rastenii (Bacterial Diseases of Plants).-Moscow, 1952.
153. Izrail'skii, V.P., et al., Kluben'kovye bakterii i nitragin (Root-nodule Bacteria and Nitrogin), 1933.
154. Kachinskii, N. A., Root Systems of Plants in Pods01 Soils.-Trudy Mosk. obl. s/kh op. st. (Works of the Moscow Regional Agricultural Experimental Station), No 7, Moscow, 1925.
155. Kachinskii, N.A.. Pochva ee svoistva i zhizn' (Soil, its Properties and Life).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1956.
156. Kachinskii, N.A., Vadyunina, A.F., Korchagina, Z.A., Opyt agrofizicheskoi kharakteristiki pochv na primere Tsentral'nogo Urala (A Tentative Agrophysical Description of the Soils on the Model of the Central Ural).--Izd AN SSSR (Published by the Academy of Sciences of the USSR). Moscow, 1950.

157. Kalina, G. P., Vegetativnaya gibridizatsiya i napravlenaya izmenchivost' (Vegetative Hybridization and Directed Variability).-Kiev, 1953.
158. Kalinenko, V.O., Oxidation of Ammonia and Protein Synthesis by Nitrosomonas europea in Pure Culture.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XCII, No 2, 1953.
159. Kalinenko, V.O., Organic Nutrition of Nitrosomonas europea. --Dan SSSR (Reports of the Academy of Sciences of the USSR), Vol XCII, No 1, Vol XCI, No 6, 1953b.
160. Kamenskii, F. M., Data on the Morphology and Biology of Monotropha.--Zap. Novoros. o-va estestv. (Notes of the Novorossiisk Association of Natural Sciences), No 2, p 8, 1883.
161. Kamenskii, F.M., The Symbiotic Attachment of the Fungal Mycelium to the Roots of the Higher Plants.-Tr. SPb. o-vn estestv. (Works of the St. Petersburg Society of Natural Sciences), No 17, p 34, 1886.
162. Kanivets, X.X., The Role of the Microflora and the Root Systems of the Fruit-bearing Plants and of the Vines in Facilitating the Accessibility of Nutrients. --Izv. FAN Mold. SSR (Proceedings of the Branch of the Academy of Sciences of the Moldavian SSR), No 1, Edition 4. 1951.
163. Ksrbone, D., Arnaudi, K., Immunitet u rastenii (Immunity in Plants).-Moscow, 1937,
164. Karpinskaya, N. S., On the Bacterial Absorption in the Soil.-"Nauchno-agr. zhurnal" (Journal of Scientific Agriculture), No 3, p 587, 1925.
165. Kashkin, P.N., Antibiotiki i ikh prakticheskoe ispol'zovanie (Antibiotics and their Practical Application), 1952.
166. Kazanskii, A.F., On the Microflora of Novaya Zemlya. -- Trudy polyar. kom. AN SSSR (Works of the Polar Committee of the Academy of Sciences of the USSR), No 7, 1930.
167. Kazarev, 1907 (cited from Novogrudskii).
168. Keller, B.A., Osnovy evolyutsii rastenii (The Principles of Plant Evolution).--1zd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1948.
169. Kelli, A., Mikotrofiya u rastenii (Plant Mycotrophism).-Moscow, 1952.
170. Khan, D.V., The Adsorption of Organic Substances by the Minerals of the Soil.--"Pochvoved. " (Soil Science), No 11, 1950.
171. Khan, D. V., On the Connections between the Organic Substances and the Minerals of the Soil.- DAN SSSR Nov. ser. (Reports of the Academy of Sciences of the USSR. The New Series), Vol LXXXI, No 3, 1951.
172. Khavina, E.S., On the Isolation of Actinophages from the Soil.-Trudy In-ta mikrobiol. AN SSSR (Works of the Institute of Microbiology of the Academy of Sciences of the USSR), Vol III, p 224, 1954.
173. Kholodnyi, N. G., Fitogormony (Phytohormones).--1zd. AN SSSR (Published by the Academy of Sciences of the USSR), 1939.

174. Kholodnyi, N.G., The Release of Volatile Substances by Living Organisms and their Uptake by Soil Microbes.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLI, No 9, p 416, 1944a.
175. Kholodnyi, N.G., Volatile Substances Excreted by Flowers and Leaves as Source of Nutrition for Microorganisms.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLIII, No 2, p 275, 1944b.
176. Kholodnyi, N. G., The Atmosphere as a Probable Source of Vitamins.-- DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLIII, No 6, p 272, 1944c.
177. Kholodnyi, N.G., Sredi prirody i v laboratorii (In the Nature and in the Laboratory). --Moscow, 1949.
178. Kholodnyi, N. G., On the Organic Volatile Substances Evolved from the Soil. --"Pochvoved." (Soil Science), No 1, 1951; "Priroda" (Nature), No 2, 1951.
179. Kholodnyi, N.G., Nutrition of Roots from the Atmosphere.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXVI, No 1, 1951 b.
180. Kholodnyi, N.G., On the Volatile Organic Excretions of the Soil).-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXX, No 3, p 433, 1951c.
181. Khris'teva, L.A. On the Effect of Humic Acids on Plants.--Doklady VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 7, p 29, 1948.
182. Khudyakov, N.N., (see foreign authors).
183. Khudyakov, Ya. P., Lytic Effect of Soil Bacteria on Pathogenic Fungi.-- "Mikrobiol. " (Microbiology), Vol IV, No 2. p 193, 1935.
184. Khudyakov, Ya. P., Control of Epiphytic Microflora.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLIII, No 5. p 9071953 a .
185. Khudyakov, Ya. P., The Role of Mycorrhiza Fungi in the Nutrition of Mycotrophic Plants.--Sb. Rol' mikroorg. v pit. rast. (Coll. Papers on the Role of Microorganisms in Plant Nutrition), p 28, 1953b.
186. Khudyakov, Ya. P., The Modern State and Tasks of Soil Microbiology.- "Mikrobiol. " (Microbiology), Vol XXIII, No 3. pp 331-348, 1953c.
187. Khudya kova, Yu. A., Sravnitel'naya kharakteristika kult'ur azotobaktera (Comparative Studies of the Azotobacter Cultures).-Diss. (Thesis), 1950.
188. Klechetov, A.N., Damage to Flax after Monoculture, Caused by the Fungus Thielaviopsis basicola. -"Nauchnyi agron. zhurn. " (Journal of Scientific Agronomy), p 27, 1926.
189. Klinkovskii, M., Keller, G., The Prospects for the Application of Antibiotics for Plant Defense. --"Zhurn. obshchei biol. " (Journal of General Biology), Vol XVII, No 3. 1956.
190. Knox, R., The Effect of Temperature on Microbial Growth, Drug Resistance and the Formation of Adaptive Enzymes.--Sb Adaptatsiya mikroorg. (Coll. Adaptation in Microorganisms), p 283, 1956. (Russian translation).

191. Kocherzhenko, E.I., Snegirev, D.P., The Effect of Growth-suppressing Substances on Frost Stability of Lemon Trees. -Byull. po kult. vlah. subtrop. (Bull. of Cultivation in Humid Subtropic), Nos 14-15, 1946.
192. Kokin, A. Ya., 1948. (Cited according to Sukhorukov, 1952).
193. Kolosov, I.I., Ukhina, S.F., The Role of the Root System in the Uptake of Mineral Substances by Plants. -"Fiziol. rast. " (Plant Physiology), Vol I, No 1, 1954.
194. Kolotova, 1940, (according to Vilenskii, 1954).
195. Komarov, V. L., Uchenie o vide u rastenii (Theory of Plant Species)--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1940.
196. Komov, (according to Pryanishnikov, 1952).
197. Konokotina, A.G., Variations of Root-nodule Bacteria upon Prolonged Concomitant Growth with Bac. mycoides.-Trudy inst. s/ kh mikrobiol. (Works of the Institute of Agricultural Microbiology), Vol VIII, No 3, 1927.
198. Konokotina, A.G., The Biological Factor of the Variability of the Root-nodule Bacteria. -" Arkh. biol. nauk" (Archives of Biological Science), Vol XLIII, Nos 2-3, 1936.
199. Kononenko, E. V., Lysis of the Causative Agent of Cotton-plant Wilt Caused by Certain Myxobacteria.--"Mikrobiol. " (Microbiology), Vol VI, No 6, 1937.
200. Kononova, M. M., Problema pochvennogo gumusa i sovremennye zadachi ego izucheniya (The Problem of the Soil Humus and the Current Objectives.--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1951.
201. Kononova, M.M., The Humus Problem in Recent Literature.--"Pochvoved. " (Soil Science), No 12, 1953.
202. Kononov a, M. M., Humus of the Main Type of Soil of the USSR, its Nature and Way of Formation.-"Pochvoved." (Soil Science), No 3, p 18, 1956.
203. Kononova, M.M., Bel'chikova, N.P.. A Trial of the Characteristic and Nature of Humic Acids with the Aid of Spectrophotometry.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXII, No 1, 1950.
204. Kons tantinov, N. M., Vliyanie aglekisloty na rost i razvitie rastenii (The Effect of CO₂ on the Growth and the Development of Plants).- Moscow, 1950.
205. Korenyako, A.I., A Biological Method of Identifying of the Mycobacteria.-- DAN SSSR Nov. ser. (Reports of the Academy of Sciences of the USSR, New Series), Vol XXIII, No 2, 1939.
206. Korenyako, A.I., Otchet STAZP NIKhI (Report of the Station for Protection of Plants of the Scientific Research Cotton Institute).- Tashkent, 1940.

207. Xor enyako, A. I., The Effect of Plant-root Excretions on the Growth of Root- nodule Bacteria. --"Mikrobiol. " (Microbiology), Vol XI, No 3, 1942:
208. Xorenyako, A.I., Artomonova, O.I., Letunova, S.V., The Formation and Preservation of the Antagonistic Substances to Actinomycetes in the Soil. -"Mikrobiol. " (Microbiology), Vol XXIV, No 5, 1955.
209. Korzhinskii, S., Flora Vostochno-Evropeiskoi Rossii (The Flora of East-European Russia), Part I, 1892.
210. Kosikov, K.V., Directed Variation of Properties of Microorganisms under the Influence of Preparations Obtained from Related Strains.- Trudy In-ta genet. (Works of the Institute of Genetics), No 18, p 189, 1950.
211. Kosikov, K.V., Genetika drozhzhei (Yeast Genetics).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1954.
212. K o s m a c h e v, A. E., Thermophil Actinomycetes-"Mikrobiol. " (Microbiology), Vol XXII, No 6, 1953.
213. Xosmachev, A.E., Termofil'nye aktinomiteety i ikh antagonistichekoe svoistva (Thermophilic Actinomycetes and their Antagonistic Properties).- Diss. (Thesis), 1955.
214. K o s s o v i c h, P., Clover-exhausted Soils.-"Zhurn. opyt. apron. " (Journal of Experimental Agronomy), Vol VI, p 515, 1905.
215. Kostychev, P.A., The Formation and Properties of Humus.-Tr. SPb. o-va estestv. Otd. bothniki (Works of St. Petersburg Society of Natural Science, Section of Botany), 1889.
216. Kostychev, P.A., Cultivation and Fertilization of Chernozems. - Sb. statei (Selected Papers), 1892.
217. Kostychev, P.A., Izbrannye trudy (Selected Papers).-Iz. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1951.
218. Kostychev, S.P., Sheloumova, A., Shul'gina, O., Microbiological Characteristics of Southern Soils. I. Nitrogen in Soils of Southern Shores of Crimea. Tr. s/kh In-ta (Works of the Institute of Agriculture), Vol I, p 5, 1926.
219. Kostychev, S. P., Fiziologiya rastenii (Plant Physiology). --Moscow, 1933.
220. Kotelev, V.V., The Importance of Soil Microflora and the Diffusion and Intake of Phosphorus by Plants upon its Introduction in a Nucleus Tracer Form as P³².-Izv. Mold. FAN SSSR (Proceedings of the Moldavian Branch of the Academy of Sciences of the USSR), No 1, p 9, 1955.
221. Xotelev, V.V., Garkovenko, A.I., The Phosphorus Intake by the Cells of Microorganisms and its Transfer to Plants, Studied with P³².-Izv. Mold. FAN SSSR (Proceedings of the Moldavian Branch of the Academy of Sciences of the USSR), No 1, p 15, 1954.
222. Xozlova, E.I., Vyyavlenie zakonomernostei izmeneniya mikroflory stepnykh pochv pri oblesenii (The Appearance of the Regularity of Microflora Changes upon Afforestation of Steppe Soils), -Diss. (Thesis), 1953.

223. Kramarenko, L.E., The Bactericidity of Cell Juice as One of the Factors Conditioning the Varietal Resistance of Cotton Plants to Gummosis. Dokl. VASKhNIL (Proceedings of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 2, p 36, 1949.
224. Krasil'nikov, N.A., Microbes of the Intestines of Guinea Pig, Oscillospira Guilliermondii and Metabacterium polyspora.-"Mikrobiol. zhurnal" (Microbiological Journal), Vol VIII, p 247, 1928.
225. Krasil'nikov, N.A., The Structure and Growth of Pontothrix longissima (Chlamydotrix longissima Molisch.) Colorless Algae of the Group Schizophyceae. -DAN SSSR (Reports of the Academy of Sciences of the USSR), p 243, 1932a.
226. Krasil'nikov, N.A., On the Sexual Process in Bacteria,-"Vest. mikrobiol, epid. i parazit. " (Journal of Microbiol. Epidem. and Parasit.), Vol XI, No 3, 1932b.
227. Krasil'nikov, N.A., On the Problem of the Sexual Process in Bacteria.--Izv. AN SSSR, Ser. est. nauk, SSSR (Proceedings of the Academy of Sciences of the USSR, Series of Natural Science), p 1329, 1932c.
228. Krasil'nikov, N.A., The Life Cycle of the Azotobacter in Relation to the Problem of Polymorphism. "Mikrobiol. zhurnal" (Journal of Microbiology), Vol XII, p 16, 1932.
229. Krasil'nikov, N.A., Race Formation in Sporobolomyces phylippovi n. -Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), p 1469, 1933.
230. Krasil'nikov, N.A., Race Formation in Saccharomyces cerevisiae. --Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), p 335, 1934a.
231. Krasil'nikov, N.A., The Effect of Root Excretions on the Growth of the Azotobacter and other Soil Microbes, --"Mikrobiol. " (Microbiology), Vol III, No 3, 1934b.
232. Krasil'nikov, N.A., On the Sexual Process in Yeasts.-"Mikrobiol. " (Microbiology), Vol IV, p 121, 1935.
233. Krasil'nikov, N.A., Focal Distribution of Microorganisms in Soil.-Izv. AN SSSR, ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biological Series), p 18, 1936.
234. Krasil'nikov, N.A., Luchistye gribki i rodstvennye im mikroorganizmy (Actinomycetes and Related Microorganisms).--1zd. AN SSSR (Published by the Academy of Sciences of the USSR), **Moscow**, 1938a.
235. Krasil'nikov, N.A., Species Sensitivity of Actinomycetales to Radon.--"Mikrobiol. " (Microbiology), Vol VII, No 6, 1938b.
236. Krasil'nikov, N.A., The Effect of Soil Bacteria on the Growth of Wheat. - "Mikrobiol. " (Microbiology), Vol VIII, No 5, 1939a.
- 237 Krasil'nikov, N.A., Bactericidal Action of Actinomycetes.-"Mikrobiol. " (Microbiology), Vol VIII, No 6, 1939b.
238. Krasil'nikov, N.A., The Effect of Bacteria on the Growth of Isolated Plant Roots.-"Mikrobiol. " (Microbiology), Vol VIII, No 8, 1939c.

239. **Krasil'nikov, N.A.**, Microflora of the Rhizosphere and its Effect on the Growth and Yields of Crops.-Khimiz. sots. zeml. (Chem. Soc. Agricult.), No 7, p 36, 1940a.
240. Krasil'nikov, N.A., The Effect of Microorganisms on the Growth of Plants. - "Mikrobiol. " (Microbiology), Vol IX, No 4, 1940b.
241. Krasil'nikov, N.A., On the Microbiological Processes in the Rhizosphere of Plants.--Probl. Sov. pochv. (Problems of the Soviet Soil Science), No 11, p 159, 1940c.
242. Krasil'nikov, N.A., The Variability of Root-nodule Bacteria.- "Mikrobiol. " (Microbiology), Vol X, No 4, 1941a.
243. Krasil'nikov, N.A., Opredelitel' luchistych gribkov (Index Manual of Actinomycetes). -Izd. AN SSSR (Published by the Academy of Sciences of the USSR), **Moscow, 1941b.**
244. Krasil'nikov, N.A., The Variability of Root-nodule Bacteria.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XXXI, No 1, 1941c.
245. **Krasil'nikov, N.A.**, Individual Variability of Microorganisms. -Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), Vol IV, No 1, 1943.
246. Krasil'nikov, N.A., The Bacterial Mass of Soils.-"Mikrobiol. " (Microbiology), Vol XIII, No 4, 1944a.
247. Krasil'nikov, N.A., Phytohormonal Action of Soil Bacteria.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLV, No 2, 1944b.
248. Krasil'nikov, N.A., The Effect of Plant Cover on the Microbiological Composition of the Soil.--"Mikrobiol. " (Microbiology), Vol XIII, No 5, 1944c.
249. Krasil'nikov, N.A., Biological Methods of Combating Phytopathogenic Microbes.-"Mikrobiol." (Microbiology), Vol XIII, No 1, 1944d.
250. Krasil'nikov, N.A., Mikrobiologicheskie osnovy bakterial'nykh udobrenii (The Microbiological Principles of Bacterial Fertilizers).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1945a.
251. Krasil'nikov, N. A., Conferring New Virulent Properties to Root-nodule Bacteria and to some other Bacteria.--"Mikrobiol. " (Microbiology), Vol XIV, No 4, 1945b.
252. Krasil'nikov, N.A., The Microflora of Decomposing Roots and its Specificity.-"Pochvoved. " (Soil Science), No 2, p 131, 1945c.
253. Krasil'nikov, N.A., Stimulation of the Sexual Process by Bacterial Metabolites. --"Mikrobiol. " (Microbiology), Vol XIV, No 137, 1945d.
254. Krasil'nikov, N.A., Bactericidity of the Plant Juice.-Ref. n. -issl. rab. OBN [Otdel botanicheshikh nauk] AN SSSR (Lecture in a Sc. Res. Symp. of the Department of Biological Sciences of the Academy of Sciences of the USSR), p 146, 1945e.

255. Krasil'nikov, N.A., Antagonistic Properties of Microorganisms.--
"Zhurn. obsch. biol. " (Journal of General Biology), Vol VIII, No 1, 1947a.
256. Krasil'nikov, N.A., Concept of Bacterial Species.--"Mikrobiol. " (Microbiology), Vol XVI, No 5, 1947b.
257. Krasil'nikov, N.A., The Distribution and Activity of Nitrogen Fixers.--
"Agrobiol. " (Agricultural Biology), No 5, p 56, 1947c.
258. Krasil'nikov, N.A., Microbiological Factors of Soil Fertility.--
"Agrobiol. " (Agrobiology), No 2, p 49, 1949a.
259. Krasil'nikov, N.A., The Role of Microorganisms in Rocks' Erosion.--
"Mikrobiol. " (Microbiology), No 18, Ch. 6, 1949b.
260. Krasil'nikov, N.A., Opredelitel' bakterii i aktinomisetov (Index Manual
of Bacteria and Actinomycetes). Izd. AN SSSR (Published by the
Academy of Sciences of the USSR), Moscow-Leningrad, 1949c.
261. Krasil'nikov, N.A., Aktinomiseti-antagonisty i antibioticheskie vesh-
chestva (Actinomycetes-antagonists and Antibiotics).-Izd. AN SSSR
(Published by the Academy of Sciences of the USSR), 1950.
262. Krasil'nikov, N.A., Assimilation of Microbial Metabolites by Plant
Roots.--DAN SSSR (Reports of the Academy of Sciences of the USSR),
Vol XXIX, No 5, 1951a.
263. Krasil'nikov, N.A., Application of Antibiotics in Some Plant Diseases.--
DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXIX,
No 6, 1951b.
264. Krasil'nikov, N.A., On Inter- and Intraspecies Antagonism of Micro-
organisms.-DAN SSSR (Reports of the Academy of Sciences of the
USSR), Vol LXXVII. No 1, 1951c.
265. Krasil'nikov, N.A., Enzyme Release by Plant Roots.-DAN SSSR
(Reports of the Academy of Sciences of the USSR), Vol LXXXVII, No 2, 1952a.
266. Krasil'nikov, N.A., The Role of Microorganisms in Additional Nutrition
of Plants. --" Usp. sovr. biol. " (Recent Progress in Biology), Vol XXXIII,
No 3, 1952b.
267. Krasil'nikov, N.A., Microorganisms and Soil Fertility in the Light of
V. R. Vil'yams Studies.--"Agrobiol. " (Agrobiology), No 6, p 57, 1952c.
268. Krasil'nikov, N. A., On the Structure and Growth of Streptococci.--
Trudy In- ta Mikrobiol. AN SSSR (Works of the Institute of Microbiology
of the Academy of Sciences of the USSR), Vol II. p 33, 1952.
269. Krasil'nikov, N. A., Microbial Antagonists and Antibiotics in Agriculture.--
Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR),
No 2, p 49, 1953a.
270. Krasil'nikov, N.A., Inactivation of a Toxin Produced by the Fungus
Botrytis cinerea by Antibiotics.--DAN SSSR (Reports of the Academy of
Sciences of the USSR), Vol XC, No 6, 1953b.
271. Krasil'nikov, N.A., Microorganisms and Soil Fertility.--Izv. AN SSSR
Ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biolog-
ical Series), No 2, p 14, 1954a.

272. Krasil'nikov, N.A., On the Noncellular Forms in Microorganisms.--
"Usp. sovr. biol. " (Recent Progress in Biology), VolXXXVII, No 1, 1954b.
273. Krasil'nikov, N.A., The Formation and Accumulation of Antibiotics in
the Soil.--DAN SSSR (Reports of the Academy of Sciences of the USSR),
Vol XCIV, No 5, 1954c.
274. Krasil'nikov, N.A., Soil-climatic Factors of Bacterial Variability.-
Izv. AN SSSR, ser. biol. (Proceedings of the Academy of Sciences of the
USSR, Biological Series), No 5, p 32, 1955a.
275. Krasil'nikov, N.A., Induced Variability in Bacteria.--"Usp. sovr. biol. "
(Recent Progress in Biology), Vol XL, No 2, 1955b.
276. Krasil'nikov, N.A., On the Classification of the Actinomycetes Forming
Antibiotics. - Tr. Mezhd. soveshch. po antibiotikam (International
Symposium on Antibiotics), Moscow, 1955c.
277. Krasil'nikov, N.A., On the Nature of Bacterial Fertilizers.-Trudy
soveshch. po bakt. udobr. (Symposium on Bacterial Fertilizers).
(in press).
278. Krasil'nikov, N.A., The Microflora of Rocks and its Nitrogen-fixing
Activity,--"Usp. sovr. biol. " (Recent Progress in Biology), Vol XLI,
No 2, 1956b.
279. Krasil'nikov, N.A., Bekhtereva, M.N., The Application of the
Fluorescent Microscopy for the Discernment of the Living and Dead
Cells of Actinomycetes.--"Mikrobiol. " (Microbiology), Vol XXV, No 3,
p 273, 1956.
280. Krasil'nikov, N.A., Garkina, N.R., Microbiological Factors of Soil
Exhaustion. -"Mikrobiol. " (Microbiology), Vol IV, No2, pp 109-114, 1946.
281. Krasil'nikov, N.A., Drobkov, A.A., Shirokov, O.G.,
Shevyakova, N. I., On the Influence of Radioactive Elementson the
Development of Root-nodule Bacteria and the Azotobacter. Micro-
elements. - Tezisy dokl. Vses. soveshch. po mikroelem. (The Thesis
of a Lecture at the All-Union Symposium on Microelements), Riga,
1955.
282. Krasil'nikov, N.A., Korenyako, A.I., Bactericidity of Plant Juice. -
Refer. nauchno-issl. rab. za 1945a (Papers on Research for 1945a),
Izd. AN SSSR (Published by the Academy of Sciences of the USSR).
283. Krasil'nikov, N.A., Korenyako, A.I., Increase in Plant Mass in
Relation to the Number of Root-nodule Bacteria on the Roots of Legumi-
nous Plants.-Refer. nauchno-issl. rabot za 1945b (Report on Research for
1945b), Izd. AN SSSR (Published by the Academy of Sciences of the USSR).
284. Krasil'nikov, N.A., Korenyako, A.I. The Effect of Nonroot-nodule
Bacteria on the Growth and Nitrogen Fixation of Clover.-Refer. nauchno-
issl. rab. za 1945c (Report on Research for 1945c), Izd. AN SSSR
(Published by the Academy of Sciences of the USSR).
285. Krasil'nikov, N.A., Korenyako, A.I., The Effect of Root-nodule
Bacteria on Nitrogen Fixation of Clover under Conditions of Sterile
Cultures.--"Mikrobiol. " (Microbiology), Vol XV, No 4, pp 279- 283, 1946a.

286. Krasil'nikov, N.A., Korenyako, A.I., The Effect of Nonroot-nodule Bacteria on Growth and Nitrogen Fixation by Legumines.--"Mikrobiol. " (Microbiology), Vol XV, No 5, pp 417-421, 1946b.
287. Krasil'nikov, N.A., Korenyako, A.I., Garkina, N.R., The Filtrable Forms of Bacteria in the Soil.-Refer, nauchno-issl. rab. za 1945, Izd. AN SSSR (Report on Research for 1945, Published by the Academy of Sciences of the USSR).
288. Krasil'nikov, N.A., Korenyako, A.I., Nikitina, N.I., Skryabin, G.K., On the Specificity of Interspecies Antagonism as a Principle for Subdivision in Microorganisms-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXVII, No 9, 1951.
289. Krasil'nikov, N.A., Korenyako, A.I., Mirchink, T.G., On the Toxicosis of Podsol Soils. - Izv. AN SSSR, ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biological Series), No 3, p 34, 1955.
290. Krasil'nikov, N.A., Kotelev, V.V., The Effect of Soil Bacteria on the Assimilation of Phosphorus Compounds by Plants.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol CX, No 5, 1956.
291. Krasil'nikov, N.A., Kriss, A.E., Litvinov, M.A., Microbiological Characterization of the Rhizosphere of Cultivated Plants--"Mikrobiol. " (Microbiology), Vol V, No 1, pp 87-98, 1936a.
292. Krasil'nikov, N.A., Kriss, A.E., Litvinov, M.A., The Effect of the Root System on Soil Microorganisms.--"Mikrobiol. " (Microbiology), Vol V, No 27, 1936b.
293. Krasil'nikov, N.A., Kublitskaya, M.A., Microbial Toxins and Antitoxins in the Manifestation of Vine Chlorosis.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol CX, No 4, 1956.
294. Krasil'nikov, N.A., Kuchaeva, A.G., The Uptake and Distribution of Antibiotics in Plants upon their Application Outside the Roots.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XCV, 1955.
295. Krasil'nikov, N.A., Mirzabekyan, R.O., Askarova, S., The Application of Antibiotics in Some Plant Diseases.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXXIX, No 8, 1951.
- 2 9 6 Krasil'nikov, N.A., Nikitina, N.I., The Effect of Decomposing Roots on the Composition of the Soil Microflora.--"Pochvoved. " (Soil Science), No 2, 1945.
- 2 9 7 Krasil'nikov, N.A., Nikitina, N.I., The Effect of Bacterial Metabolites on the Activity of Antibiotics. --"Mikrobiol. " (Microbiology), Vol XX, p 217. 1951.
299. Krasil'nikov, N.A., Raznitsyna, E.A., A Bacterial Method of Combating Pusariosis of Pine- tree Seedlings.--"Agrobiol. " (Agrobiology), Nos S-6, p 109, 1946.
- 2 9 9 Krasil'nikov, N.A., Rybalkina, A.V., Gabriel'yan, M.S., Kondrat'eva, T.M., On the Microbiological Description of Soils of the Trans-Volga Region.- Trudy komis. po irrig. AN SSSR (Works of the Irrigation Commission. Published by the Academy of Sciences of the USSR). No 3. 1934.

300. Krasil'nikov, N.A., Khudyakova, Yu.A., Biryuzova, V.I.,
Electronic Microscopy of the Flagella of the Azotobacter.-Trudy In-ta
Mikrobiol. AN SSSR (Works of the Institute of Microbiology of the
Academy of Sciences of the USSR), p 44, 1952.
301. Kravkov, S. P., Pochvovedenie (Soil Science). -Moscow, 1937.
302. Kravkov, S.P., Materialy po izucheniyu produktov razlozheniya organiches-
kikh veshstv i protsessov zakrepleniya ikh v pochvakh (Data on Studies
of the Decomposition Products of Organic Substances, and of the Proces-
ses of their Fixation in the Soil).-Moscow, 1938.
303. Kriss, A.E., The Enzymatic Nature of the Bacteriophage.-"Usp. sov. biol."
(Recent Progress in Biology), Vol XVII, p 273, 1944.
304. Kriss, A.E., Microorganisms of the Tundra of the Polar-desert Soils of
the Arctic.-"Mikrobiol. " (Microbiology), Vol XVI, No 5, 1947.
305. Kriss, A.E., Korenyako, A.I., Migulina, V.M., Root-nodule
Bacteria in the Arctic.--"Mikrobiol. " (Microbiology), Vol X, No 1, 1941.
306. Krylov, A. V., Resh. soveshch. po teorii i praktike primen. stimulyator.
i gerbitsid. (Conclusions of the Symposium on the Theory and Practice
of Application of Stimulators and Herbicides). -Izd. AN SSSR (Published
by the Academy of Sciences of the USSR), Moscow, 1954.
307. Kublanov s kaya, G. M., Application of Actinomycetes-antagonists against
Fusarium Wilt of the Cotton Plant.-"Mikrobiol. " (Microbiology),
Vol XXI, No 3, 1950.
308. Kublanovskaya, G.M., On the Biological Method of Combating Fusariosis
Wilt of the Cotton Plant.-Izv. AN Uzb. SSR (Proceedings of the Academy
of Sciences of the Uzbek SSR), No 5, p 16, 1953; Khlopkovodstvo (Cotton
Growing), No 2, p 41, 1953.
309. Kublanovskaya, G.M., Brailova, N.V., On the Role of Antibiotic
Substances in the Juice of the Cotton Plant in its Immunity to Wilt.-
"Mikrobiol. " (Microbiology), Vol XXIII, No 5. 1954.
310. Kublitskaya, M.A., Parazitarnyi khloroz vinogradnoi lozy v Srednei Azii
(The Parasitic Chlorosis of Vines in Central Asia).--Diss.(Thesis), 1955.
311. Kudlai, D.G., Izmenchivost' mikrobov kishhechnoi gruppy (Variation of the
Colon Group of Bacteria).-Moscow, 1954.
312. Ku d r i n a, E. S., Vliyanie guminovoi kisloty na nekotorye mikroorganizmy
(The Effect of Humic Acid on Some Microorganisms).-Diss.(Thesis), 1949.
313. Kudryavtsev, V.I., On the Problem of the Polymorphism of Soil
Bacteria.--Izv. AN SSSR (Proceedings of the Academy of Sciences of
the USSR), No 9, p 301, 1932.
314. Kudryav tsev, V.I., Sistematika drozhzhei (Yeast Classification).-Izd.
AN SSSR (Published by the Academy of Sciences of the USSR), Moscow,
1954.
315. Kudryashov, B.A., Hiologicheskie osnovy ucheniya o vitaminakh (The
Biological Principles of the Study of Vitamins).-Moscow, 1948.

316. Kulikovskaya, M.D., Vliyanie azotobaktera na dinamiku azota i nekotorye gruppy mikroorganizmov v pochve (The Influence of the Azotobacter on the Activity of the Nitrogen and on Some Groups of Microorganisms in the Soil).-Diss. (Thesis). 1955.
317. Kul' tiasov, M. V., Data on Studies of the Evaporation and of the Root System of the Association of Spring Ephemerides.-Byull. Sr. -Az. gos. univ. (Bull. of the Central Asia State University), 1925.
318. Kun, R., Substances Stimulating Conception and Determining Sex in Plants and Animals.-"Usp. sovr. biol. " (Recent Progress in Biology), Vol XIV, 1941.
319. Kuprevlch, V.F., Fiziologiya bol'nogo rasteniya (The Physiology of a Diseased Plant).--1zd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1947.
320. Kuprevich, V.F., Extracellular Enzymes of Roots of Higher Autotrophic Plants.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XVIII, No 5, pp 953-956. 1949.
321. Kursanov, L.I., Mikologiya (Mycology).-Moscow, 1940.
322. Kursanov, A. L., Enzyme Adsorption by Yeast Cells.-"Biokhimiya" (Biochemistry), Vol IX, No 5, p 273, 1944.
323. Kur sanov, A. L., Importance of the Isotopes and Other Modern Methods of Investigation in Biology for the Solution of Problems of Farming.-Vestnik AN SSSR (Herald of the Academy of Sciences of the USSR), No 12, p 26, 1953; Izv. AN SSSR, Ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biological Series). No 1, 1954.
324. Kursanov, A.L., Isaeva, E.V., Potapenko, V.N., Enzyme Adsorption by Tissues of Higher Plants.- "Biokhimiya" (Biochemistry), Vol XI, No 5, 1946.
325. Kursanov, A.L., Kryukova, N., The Effect of the Geographical Factor on the Activity of Peroxides in Plants.-"Biokhimiya" (Biochemistry), Vol X, No 2, 1945.
326. hurtesov, A., Soil Liming and Wheat-grain Damage by Fusariosis.-"Khimiz. sots. zeml. " (Chemistry in Soc. Agriculture). No 1, p 59, 1940.
327. Kuzin. A.M., Khimiya i biokhimiya patogennykh mikrobov (The Chemistry and Biochemistry of Pathogenic Microbes).-Moscow, 1946.
328. Kuzina, V. P., The Role of Lucerne in Curing the Soil from the Causative Agent of Verticillium Wilt of Cotton Plants.--Sb. Trud. Soyuz. NIKhI (Works of the All-Union Cotton Scientific Research Institute), p221, 1951.
329. Kuzina, V.P., Mikroflora pochv khlopkovo -travopol'nykh sevooborotov i ee znachenie v plodorodii oroshaemykh svetlykh serozemov Golodnoi stepi (The Microflora of the Soil under Rotation of Cotton and its Importance in the Fertility of Irrigated Light Serozems of the Golodnaya Steppe).-Diss. (Thesis), 1955.
330. Kvasnikov, E. I., Sumnevich. M.G., Lactic Acidic Bacteria in the Epiphytic Microflora of the Plants of Central Asia.-"Mikrobiol. " (Microbiology), Vol XXII, No 3, p 367, 1953.

331. Kvashina, E., Fusariosis of Wheat in the Sea of Azov and Black Sea Regions. -Izv. Rostovsk. st. zashch. rast. (Proceedings of the Rostov Plant Preserve Station), No 9, p 35, 1938.
332. Lazarev, N. M., Ecological Microbiology and Studies of Soil Fertility. -- Trudy In- ta s/ kh mikrobiol. za 1941- 1945 (Works of the Institute of Agricultural Microbiology for 1941- 1945), p 5.
333. Lazarev, N. M., Dorosinskii, L.M., On the Role of Microorganisms in Plant Nutrition under Conditions of Water Cultures.-Tr. In-ta s/kh mikr. (Works of the Institute of Agricultural Microbiology), Vol XIII, p 67, 1953.
334. Lebedev, A.F., Pochvennye i gruntovye vody (Soil and Ground Waters).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1936.
335. Lebedev, A. F., Carbon Assimilation by Saprophytes. -Izv. Donsk. Gos. univ. (Proceedings of the Don State University), No 3, p 25, 1921.
336. Lebedev, D. V., Search for Antibiotics Among Higher Plants.-"Priroda" (Nature), No 6, pp 62-63, 1948.
337. Lebedev, S.I., Fiziologicheskaya rol' karotina v rastenii (The Physiological Role of Carotene in Plants).-Kiev, 1953.
338. Levinskaya, T. V., Malysheva, M.S., A Characterization of the Microbiological Processes in the Murmansk Soils.-Arkh. biol. nauk. (Arch. Biological Sciences). Vol XLIII, p 145, 1936.
339. Libikh, Yu., Khimiya v prilozhenii k zemledeliyu i fiziologii (Application of Chemistry in Agriculture and Physiology).--Moscow. 1936.
340. Lilli, B., Barnet, I., Fiziologiya gribov (Physiology of Fungi), 1953. (Russian Translation).
341. Lobanov, N. V., Mikotrofnost' drevesnykh rastenii (Mycotrophy of Woody Plants).-Moscow, 1953.
342. Logvinova, Z. V. The Effect of Organic Mineral Fertilizers on Plant Crops. - Khimiz. sots. zemled. (Chemiz. Soc. Agricult.), No 6, 1939.
343. Lysenko, T.D., Agrobiologiya (Agrobiology).--Moscow, 1948.
344. Lysenko, T.D., Agrobiologiya (Agrobiology).--Moscow, 1952.
345. Lysenko, T.D., Novoe v nauke o biologicheskom vide (New Concepts on Biological Species),--Moscow, 1952.
346. Lysenko, T.D., O pochvennom pitanii rastenii i povyshenii urozhainosti (On the Soil Nutrition of Plants and Crop Increase).-Moscow, 1954.
347. Lysenko, T. D., Pochvennoe pitanie rastenii-korennoi vopros nauki zemledeliya (The Soil Nutrition of Plants-the Main Problem of the Science of Agriculture). -Moscow, 1955.
348. Lyubich. F. P., The Interaction of the Root Systems of Different Trees When Growing Together. -"Agrobiol. " (Agrobiology), No 1, p 112, 1955.

- 349 Lyubimenko, V.N., Kurs obshchei botaniki (Textbook of General Botany).- Berlin, 1923.
350. Lyubimenko, V.N., Fotosintez i khemosintez v rastitel'nom mire (Photosynthesis and Chemosynthesis in the Plant World).-Moscow-Leningrad), 1935.
351. Magru. K., Simbioz u orkhidei i u kartofelya (Symbiosis in Orchids and in Potatoes).-1949.
352. Makarov, B.N., Dynamics of Gas Exchange between the Soil and the Atmosphere.--"Pochvoved. " (Soil Science), No 3, p 271, 1952.
353. Makarov, B.N., Soil Respiration.-"Priroda" (Nature), No 9, p 81, 1953.
354. Maksimov, N.A., Kratkii kurs fiziologii rastenii (Outlines of Plant Physiology).-Moscow, 1941.
355. Maksimov, N. A. , Growth Substances, Mode of Action and Practical Application. - Usp. sovr. biol. (Recent Progress in Biology), Vol XXII, No 2, 1946.
356. Malek, I., Bacillus Sporulation. -"Chekhoslovak Biol. ", No 2, 1953.
357. Malek, I., Bacterial Division.- "Chekhoslovak Biol. ", Vol II, No 1, 1954.
358. Malek, I., Nonequivalence of Bacterial Cells upon Division.- "Chekhoslovak Biol. ", Vol III, No 3, 1955.
359. Mashkovtsev, M., Materials for the Study of Low Germination of Rice.-- Tr. Tsent. op. ris. st. (Works of Central Experimental Rice Station), No 6, p 27, 1934.
360. Matskov, F.F., Growth Stimulators as Microfertilizers--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XCV, No 6, 1954.
361. Matveev, M.I., Ovcharov, K.E., 1949 (cited from Ovcharov, 1955).
362. Mazelaitis, I.V., Vzaimosvyaz' s'edobnykh gribov s soobshchestvami vysshikh rastenii (Interrelation of Edible Mushrooms and Higher Plants).-- Diss. (Thesis), 1952.
363. Medvin'ska, L., Variation of the Group Bac. mesentericus and an Attempt at a New Classification.-"Mikrob. Zhurn AN SSSR" (Journal of Microbiology of the Academy of Sciences of the UkSSSR), Vol VIII, No 2, 1946.
- 363a. Meise l', M. N., Funktsional'naya morfologiya drozhzhevykh organizmov (Functional Morphology of Yeast Organisms).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), 1950,
364. Meisel', M.N., O biologicheskome deistvii ioniziruyushchikh izluchenii na mikroorganizmy (Biological Effect of Ionizing Radiations on Microorganisms).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1955.
365. Meise l', M. N., et al., The Utilization of Volatile Biocatalytic Substances by Microorganisms DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LIII, p 577, 1946.

366. Meshkov, M.V.. Substances Activating the Growth of Microorganisms in the Root Excretions of Plants.-"Zhurn. obshch. biol. " (Journal of General Biology), Vol XIII, No 1, 1952.
367. Meshkov, M.V., Plant-root Excretions.-Tr. konf. po pochv. mikrobiol. (Works of Symposium on Soil Microbiology), p 285, 1953.
368. Mikhaleva, V.I., Antagonism between Actinomycetes and Root-nodule Bacteria. -Dokl. VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 11, p 23, 1951.
369. Minenkov. A., (see Krasil'nikov) 194C.
370. Minina, E.G., On the Problems of the Acidity of Root Excretions.-Izv. biol. In- ta pri PGU (Proceedings of the Institute of Biology at Perm State University), Vol V, No 6, pp 233-258, 1927.
371. Mirchink, T G., Fungi Causing Toxicity of Podsol Soils under Various Degrees of Cultivation.-"Mikrobiol. " (Microbiology), Vol XXVI, p 78, 1956.
372. Mirzabekyan, R.O., The Action of Microbial Antagonists and their Antibiotics on a Number of Causative Agents of Bacteriosis of Agricultural Plants. -Dokl. VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 5, p 34, 1952.
373. Mirzabekyan, R.O., Microbial Antagonists and their Antibiotics in Combating Phytopathogenic Microbes.-Izv. AN SSSR, Ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biological Series), No 2, p 67, 1953; No 6, p 10. 1955.
374. Mirzabekyan, R.O., Antibiotics as a Means of Immunizing Grafts from Internal Infections.-"Agrobiol. " (Agrobiology), No 2, p 130, 1955.
375. Mishustin, E.N., Microbiological Characteristics of Soils in Relation to the Degree of their Cultivation.--"Mikrobiol. " (Microbiology), Vol VII, Nos 9-10, pp 1022-1035, 1945.
376. Mishustin, E.N., Thermophilic Microorganisms of the Soil and the Causes of their Distribution.--Mikrobiol. (Microbiology), Vol XIV, No 4, 1945b; Vol XVI, No 2, 1947.
377. Mishustin, E.N., Distribution of Variants of Bac. mycoides in Soils of the Soviet Union.--Refer. n-issl. rab. za 1945c; Otd. biol. nauk (Report on Research for 1945c; Department of Biological Sciences), p 147.
378. Mishustin, E.N., The Labile Part of the Soil Microstructure.--"Pochvoved. " (Soil Science), No 2, p 122, 1945.
379. Mishustin, E.N. Ekologo-geograficheskaya izmenchivost' pochvennykh bakterii (Ecological and Geographical Variability of Soil Bacteria).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), 1947.
- 379a. Mishustin, E.N., 1938 (cited from Rudakov, 1949 and 1951).
380. Mishustin, E.N., Termofil'nye mikroorganizmy v prirode i praktike (Thermophilic Organisms in Nature and Practice).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1950a.
- 380a. Mishustin, E. N., Mycorrhiza of Woody Plants and Steppe Forestry.-Vestn. AN SSSR (Bulletin of the Academy of Sciences of the USSR), No 2, p 48, 1950b.

381. Mishustin, E.N., Soil Microbiology and its Tasks.-Tr. In-ta mikrobiol. AN SSSR (Works of the Institute of Microbiology of the Academy of Sciences of the USSR), No 1, pp 1-75, 1951; Microbiological Processes and Soil Structure.--"Priroda" (Nature), No 11, pp 27-38, 1951.
382. Mishustin, E.N., The Law of Zonality and Studies of Microbial Associations of the Soil. --"Usp. sovr. biol. " (Recent Progress in Biology), Vol XXXVII, No 1, p 1, 1954.
383. Mishustin, E.N., Mikroorganizmy i plodorodie pochvy (Microorganisms and Soil Fertility).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1956.
384. Mishustin, E.N., Pushinskaya, O.I., The Role of the Microbiological Factor in the Formation of Soil Structure.--"Mikrobiol. " (Microbiology), Vol XI, No 3, 1942.
385. Mishustin, E.N., Pertsovskaya, M.I.. Mikroorganizmyi samoochishchenie pochv (Microorganisms and Soil Self-sterilization).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1954.
386. Mishustin, E.N., Timofeeva, A.G., The Change of Microflora in the Process of Decomposition of Organic Residues upon the Development of Bac. mycoides in the Soil. --"Mikrobiol. " (Microbiology), Vol XIII, No 6, 1944.
387. Mishustina, I.E., Oligonitrofil'nye mikroorganizmy (Oligonitrophilic Microorganisms). -Diss. (Thesis), 1953.
389. Mitrofanov, (see Peshkov, 1955).
390. Mitchibson, D., Ecology of the Tubercule Bacilli Resistant to Streptomycin and Isoniasid. -Sb. adaptatsiya u mikroorganizmov (Coll. Adaptation in Microorganisms), p 386, 1956 (Russian translation).
391. Model', L.M., Biologiya i biokhimiya tuberkuleznykh mikobakterii (Biology and Biochemistry of Mycobacteria which Cause Tuberculosis).--Izd. AN SSSR, (Published by the Academy of Sciences of the USSR), Moscow, 1952.
392. Morenova, V.N., Kuzina, A.M., Doman, N.G., Demina, S.E., Sb. Mechenye atomy v issledovaniyakh pitaniya rastenii i primenenie udobrenii (Isotopes in the Investigation of Plant Nutrition and the Application of Fertilizers), Moscow, 1955.
393. Muromtsev, S.N., Izmenchivost' mikroorganizmov i problema immuniteta (Microorganisms Variability and the Immunity Problem).-Moscow, 1953.
394. Murri, I.K., Vitamin Problem in Plant Growing, --Biokhimiya kul't. rast. (Biochemistry of Cultivated Plants), No 8, p 304, 1948.
395. Nadson, G.A., The Action of Radium on the Yeast Fungi in Relation to the General Problem of its Action on Living Matter.--"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol I, No 1, 1920.
396. Nadson, G.A., Eksperimental'noe izmenenie nasledstvennykh svoystv mikroorganizmov (Experimental Changes in Hereditary Properties of the Microorganisms).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow-Leningrad, 1935.

397. Nadson, G.A., Krasil'nikov, N.A., Reversibility of Development in Yeasts Saccharomyces paradoxus Batschin.-"Mikrobiol. Zhurn. " (Microbiological Journal), Vol I, No 5, p 115, 1926.
398. Nadson, G.A., Rokhlina, E.Ya., The Action of X-rays on the Protoplasm of the Nucleus and on the Mitochondria of the Plant Cell.--"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol X, p 9, 1931.
399. Nadson, G.A., Rokhlina, E.Ya., Radioactive Strains of Yeasts and their Practical Importance.--"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol XI, p 240, 1932.
400. Nadson, G.A., Filippov, G.S., Effect of X-rays on Sexual Process and Mutant Formation in Lower Fungi. -"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol III, No 6, 1926.
401. Nadson, G.A., Filippov, G.S., Stimulating Action of Ultraviolet Rays on the Development of Yeasts and Molds.--"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol V, p 425, 1927.
402. Nadson, G.A., Filippov, G.S., Formation of New Resistant Strains of Microorganisms under the Influence of X-rays. X-ray Strain in Sporobolomyces. --"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol x, p 275, 1932.
403. Nakhimovskaya, M.I., Antagonism between Actinomycetes and Soil Bacteria.-"Mikrobiol. " (Microbiology), Vol VII, No 2, 1937; Vol XVII, No 1, 1948.
404. Nakhimovskaya, M.I., Pseudomonas aurantiaca nov. sp. -"Mikrobiol. " (Microbiology), Vol XVII, pp 58-65, 1948.
405. Nad'yar'nyi, F., Some Data on the Root Systems of Grasses and Grass Mixtures.- Sov. Agron. (Soviet Agriculture), No 5, p 49, 1939.
406. Naumov, Bolezni sel' skokhozyaistvennykh rastenii (Diseases of Agricultural Plants), First Edition, 1940; Second Edition, 1952.
407. Nikishkina, P.I., The Effect of Organic Mineral Fertilizers on Soil Fertility. - "Pochvoved. " (Soil Science), No 4, 1948.
408. Nikolyuk, V., The Effect of the Root System of Cotton Plants on Soil Protozoa. - DAN Uzb. SSR (Reports of the Academy of Sciences of the Uzbek SSR), 1949.
409. Novogradskii, D.M., Nevidimye formy vidimyykh bakterii (The Invisible Forms of Visible Bacteria).-"Mikrobiol. " (Microbiology), Vol II, No 4. 1933; Vol III, No 4, 1934.
410. Novogradskii, D.M., Filterable Forms of Azotobacter.-"Mikrobiol. " (Microbiology), Vol IV, No 2, 1935.
411. Novogradskii, D.M., On the Pyronema confluens and its Relation to Soil Microorganisms.-Byull. Mosk. o-va isp. prir. (Bull. Moscow Society of Naturalists), Vol LV, No 6, 1936a.
412. Novogradskii, D.M., Antagonistic Interrelationships in Microbes and Biological Methods • Combating Fungal Diseases of Cultivated Plants.-- Usp. sovr. biol, (Recent Progress in Biology), Vol V, No 3, 1936b.
413. Novogradskii, D.M., Studies of Soil Bacterial Adsorption Capacity. -- "Mikrohiol. " (Microbiology), Vol V, No 3, 1936c; Vol VI, No 5, 1937.

414. Novogradskii, D.M., Mycolytic Bacteria of the Genus Pseudomonas.-
Izv. AN Kazakh. SSR, ser. mikrobiol. (Proceedings of the Academy of
Sciences of the Kazakh SSR, Microbiol. Series), No 1, p 18, 1949a.
415. Novogradskii, D.M., V. R. Vil'yams and Soil Microbiology.-"Agrobiol. "
(Agrobiology), No 4, 48, 1949b.
416. Novogradskii, D.M., Microflora of Rocks and Primitive Soils of
Terskii Ala-Tau.-Tr. In-ta geogr. AN SSSR (Works of the Institute of
Geography, Academy of Sciences of the USSR), No 65, 1950a.
417. Novogradskii, D.M., Inter- and Intraspecies Interrelationships of Soil
Microorganisms and Some Problems of the Application of Bacterial
Fertilizers. -Izv. AN Kazakh. SSR, ser. pochv. (Proceedings of the
Academy of Sciences of the Kazakh SSR, Soil Series), No 6, p109,1950b.
418. Novogradskii, D.M., Kononenko, E.V., Rybalkina, A.V.,
Changes in Bacteria after their Introduction in the Soil.--Izv. AN SSSR
(Proceedings of the Academy of Sciences of the USSR), No 1, p1089,1936.
419. Obratsova, A.A., Microorganisms of the Rhizosphere in Batum
Krasnozems). -Izv. AN SSSR (Proceedings of the Academy of Sciences of
the USSR), No 1, p 255, 1936.
420. Obratsova, A.A., Effectiveness of Azotobacter.-Tr. Gor'k, s/kh In-ta
(Works of the Gorkii Agricultural Institute), Vol IV, p 21, 1943.
421. O b r a z t s o v a, A. A., Azotobakter v pochve, v rizosfere i ego rol' v
razvitii sel'skokhozyaistvennykh rastenii (Azotobacter in the Soil and in
the Rhizosphere, and its Role in the Growth of Agricultural Plants).-
Diss. (Thesis), 1950.
422. Oparin, A.I., The Direction of Enzymatic Action in a Living Cell.-Tr.
Mosk. doma uchen. i In-ta biokhim. AN SSSR (Works of the Moscow
House of Scientists and Institute of Biochemistry of the Academy of
Sciences of the USSR), Nos 4-5, 1940.
423. Oparin, A.I., Enzymatic Activities in a Living Cell. -Sb. rab. po
fiziol. rast. (Coll. Works on Plant Physiology), 1941.
424. Oparin, A.I., Kaden, S.B., Transformation of **b**-Amylase in
Germinating Wheat Seeds.--"Biokhimiya" (Biochemistry), Vol X, No 1,
1945.
425. Oparin, A.I., Yurkevich, V.V., Enzyme Adsorption by Yeast Cells.-
DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXVI,
No 2, p 247, 1949.
426. Osipova, A.M., Yuferova, M. D., On the Problem of the Exosmosis
of Sulfate and Phosphate Ions from Root Excretions. -Izv. biol. In- ta
Perm. gosuniv. (Proceedings of Biology of the Perm State University),
No 10, 1926.
427. Ovcharov, K.E., Vitaminy v zhizni rastenii (Vitamins in the Life of
Plants. -Izv. AN SSSR (Published by the Academy of Sciences of the
USSR), Moscow, 1955.

428. Palladin, V.N., Fiziologiya rastenii (Plant Physiology).-Moscow-Leningrad, 1924.
429. Pantosh. D., Osnovnye formy rizosfernykh bakterii pshenitsy, ikh vzaimootnosheniya s rasteniyami (The Main Forms of Wheat Rhizosphere Bacteria and their Interrelationship with Plants).-Avtoref. Diss. (Thesis), 1955.
430. Parfenova, E.I., Investigation of Primitive Mountainous Meadows on the Diorites of the Magisho Mountains.-Tr. In-ta pochvoved. AN SSSR (Works of the Institute of Soil Science, Academy of Sciences of the USSR), Vol XXXIV, p 49, 1950.
431. Pavlichenko, T.K., 1937, (cited according to Savvinov and Pankova, 1942).
432. Pavlovich, D.Ya., Rasprostranenie azotobaktera v pochvakh Latviiskoi SSR (The Distribution of Azotobacter in Soils of the Latvian SSR).-Diss. (Thesis), 1953.
433. Perets, L.C., Znachenie normal'noi mikroflory dlya organizma cheloveka (The Importance of Normal Microflora for the Human Organism).-Moscow, 1955.
- 433a. Perets, L.C., Slavskaya, E., (see Perets, 1955).
434. Perets, L.C., Gryaznov, N.I., Agibalova, G.I., 1948 (cited according to Perets, 1955).
435. Periturin, 1911-1912, (cited according to Audus, 1953).
436. Per sin, S.A., Adsorption of Water-soluble Organic Substances by Soil.-Uch. zap. LGU, ser. geol. pochv. (Scientific Reports of the Leningrad State University, Geological Soil Series), No 12, p 50, 1944.
437. Peshkov, M. A. Tsitologiya bakterii (Bacterial Cytology).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), **Moscow**, 1955.
438. Peterburgskii, A.V., Adsorption Processes in Soil and Plant Nutrition through the Roots, -Izv. Timir. s.-kh akad. (Proceedings of the Timiryazev Agricultural Academy), No 3, p 25, 1954.
439. Peterson, N.V., Izmenchivost' kluben' kovykh bakterii (Variability of Root-nodule Bacteria).-Dfss. (Thesis), 1953.
440. Peterson, N.V., Growth of Root-nodule Bacteria in Filtrates of other Bacterial Species.-"Mikrobiol. " (Microbiology), Vol XXIV, No 3, p 275, 1955.
441. Petrenko, G.Ya., On the Industrial Importance of Azotobacter Preparations. -Tr. In-ta zern. khoz. nechern. polosy SSSR (Works of the Grain Institute of the Nonchernozem Region of the USSR), No 14, p 45, 1949.
442. Petrenko, G.Ya., On Specific Local Strains of Root-nodule Bacteria and Azotobacter. -Sb. Tr. plen. sekts. udobr. VASKhNIL (Coil. Papers of the Plenum of the Fertilizer Section of the All-Union of Agricultural Sciences im. V. I. Lenin), p 84, 1953.
443. Petrosyan, A.P., Nariyan, L.A., Karagulyan, S.A.. The Distribution of Nitrogen-fixing Bacteria in the Rhizosphere of Cotton Plant and Lucerne.--Mikrobiol. sb. AN Arm. SSR (Microbiological Coll. of the Academy of Sciences of the Armenian SSR), No 4, p 13, 1949.

444. Petrosyan, A. P., E kologiya kluben'kovykh bakterii (Ecology of Root-nodule Bacteria). -Diss. (Thesis), 1956.
445. Petrov, G. G., The Uptake of Nitrogen, Nitrates, Ammonium Salts and Asparagine by Plants under Sterile Conditions.-Izv. Mosk. s.-kh In-ta (Proceedings of the Moscow Agricultural Institute), No 18, p 3, 1912.
446. Petrusheva, N.I., Studies of Antagonistic Properties of Actinomycetes toward Phytopathogenic Fungi.-"Mikrobiol." (Microbiology), Vol XXII, No 5, 1953.
447. Pidoplichko, N.M., Gribnaya flora grubykh kormov (Fungal Flora of Crude Feeders).--Kiev, 1953.
448. Pirozhkov, E. V., Let Us Get Rid of the Orchard Pests.-"Sad i ogorod" (Orchard and Garden), No 5, 1950.
449. Pollak, M., Periodicity in the Formation of Adaptive Enzymes.-Sb. Adapt. u mikroorg. (Coll. Adaptation in Microorganisms), p 234, 1956 (Russian translation).
450. Polyakov, I.M., 1949, (cited from Ovcharov, 1955).
451. Polyakov, I.M., Tumakova, A. A., Accumulation of Toxin during the Growth of the Fungus Deuterophoma tracheiphila.--Dokl. VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences im. Lenin) No 3, p 43, 1954.
452. Ponomareva, V.V., On the Reaction of Interactions of Fulvic Acids with Basic Hydroxides.-"Pochvoved. " (Soil Science), No 11, p 32, 1949.
453. Ponomareva, V.V., Vliyanie zhiznedeyatel'nosti dozhdevykh chervei na sozdanie ustoichivoi v erozionnom otnoshenii struktury dervopodzolistoi pochvy (Effect of the Metabolism of Earth Worms on the Formation of Erosion-stable Structure of Podsol Soil).-Diss. (Thesis), Moscow, 1951.
454. Ponomareva, V.V., Podsol Formation and Geographical Regularities.--Pochvoved. (Soil Science), No 3, p 31, 1956.
455. Popov, M., Stimulation of Plants by Radioactive Substances.-"Priroda" (Nature) (Bulgaria), No 2, p 56, 1956.
456. Popova, T. E., Some Regularities in the Effect of Root Microflora of Vines on their Growth. DAN Uzb. SSR (Reports of the Academy of Sciences of the Uzbek SSR), No 7, p 53, 1954; No 5, p 61, 1954.
457. Poshman, A., 1809 (cited from Pryanishnikov), 1952.
458. Prokhorov, M.I., Studies of Directed Variation in Bacteria:"Agrobiol. " (Agrobiology), No 2, 1950.
459. Pryanishnikov, D.N., Experiments with Phosphates in Connection with Root Excretions, 1905.- Yubil. sbornik (Jubilee Coll.) p 328, 1928a.
460. Pryanishnikov, D.N., On the Problem of Root Excretions in Connection with Clover Exhaustion. -Yubil. sbornik (Jubilee Coll.),I, Vol II, p 445, 1928b.
461. Pryanishnikov, D.N., Azot v zhizni rastenii i v zemledelii SSSR(Nitrogen in the Life of Plants and Agriculture of the USSR).-Izd. ANSSSR (Published by the Academy of Sciences of the USSR), Moscow, 1945.

462. Pryanishnikov, D.N., Pitanie rastenii (Plant Nutrition).-Izbr. soch. (Selected Papers), "Agrokimiya" (Agrochemistry), Vol I, 1952.
463. Psarev, G.M., Veselovskaya, Kh.A., Effect of Some Synthetic Compounds on the Growth of Embryonic Roots of Winter Wheat.-DAN SSSR (Reports of the Academy of Sciences of the USSR), 56, No 9, p 373, 1947.
464. Rabotnova, I.L., The Priority of the Russian Microbiologist A. F. Lebedev as the Discoverer of the Capacity of Heterotrophic Bacteria to Assimilate CO₂.-- "Mikrobiol." (Microbiology), Vol XIX, p 275, 1950.
465. Rakitin, Yu.V., Problems of Plant Stimulation in Connection with the Tasks of Agriculture; "Usp. sovr. biol." (Recent Progress in Biology), Vol XXXVI, No 3, p 289, 1953.
466. Rakitin, Yu.V., Ovcharov, K.E., Effect of Adenine and Nicotine on the Growth and Fruition of Cotton Plants.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol LXI, No 5, 1948.
467. Ratner, E.I., Mineral'noe pitanie rastenii i poglotitel'naya sposobnost' pochv (Mineral Nutrition of Plants and Adsorption Capacity of Soils).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow-Leningrad, 1950.
468. Ratner, E.I., Pitanie rastenii i primeneniye udobrenii (Plant Nutrition and Application of Fertilizers).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1955.
460. Ratner, E.I., Kolosov, I.I., Plant Nutrition via Roots and New Methods for its Studies.- "Priroda" (Nature), No 10, 1954.
470. Ratner, E. I., Samoilova, S.A., Extracellular Phosphate Activity of Roots. - "Fiziol. rast." (Plant Physiology), Vol II, No 1, p 30, 1955.
471. Ratner, E.I., Dobrokhotova, I.N., On the Probable Role of Vitamins Produced by Soil Microorganisms in Plant Nutrition via the Roots.-"Fiziol. rast." (Plant Physiology), Vol III, No 2, 1956.
472. Rautenshtein, Ya.I., Self-heating of Wheat and the Role of Microorganisms in this Process.- "Mikrobiol." (Microbiology), Vol VIII, No 5, 1939a.
473. Rautenshtein, Ya.I., Microbiological Processes in After-harvest Ripening, Drying and Storage of Wheat Grains Harvested by Combines.-"Mikrobiol." (Microbiology), Vol VIII, No 2, p 221, 1939b.
474. Rautenshtein, Ya. I., Variability of Bac. mycoides.-"Mikrobiol." (Microbiology), Vol XV, No 4, 1946,
475. Rautenshtein, Ya.I., Bakteriofagiya (Bacteriophagy).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), 1955.
476. Raznitsyna, E.A., The Formation of Growth Factors of the Auxin Group by Bacteria.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XVIII, p 353, 1938.
477. Raznitsyna, E.A., The Bacterial Method of Combating Fungal Diseases of Pine Seedlings.-"Mikrobiol." (Microbiology), Vol II, No 3, 1942.

476. Raznitsyna, E. A., Microorganisms in Soils of Vakhsh Valley and their Role in Soil Fertility. -Tr. Vakhsh pochv.-melior. st. AN Tadjhik. SSR (Works of Vakhsh Soil Melior. Station of the Academy of Sciences of the Tadjhik. SSR), p 173, 1947.
479. Reiner, M., Nelson-Jones, W., Rol' mikoriz v pitanii derev'ev (The Role of Mycorrhiza in Tree Nutrition).-Moscow, 1949, (translated from English).
460. Remezov, N.P., Pochvy, ikh svoistva i rasprostranenie (Soils, their Properties and Distribution).--Moscow, 1952.
481. Rempe, E.Kh., Osnovnye faktory nakopleniya i otbora mikroorganizmov v zone kornevoi sistemy vysshego rasteniya (Basic Factors of Accumulation and Selection of Microorganisms in the Area of the Root System of a Higher Plant),-Diss. (Thesis), 1952.
482. Rempe, E.Kh., The Microflora of Root Systems when Plants are Grown in Aqueous Cultures. -Tr. In-ta s.-kh mikrobiol. (Works of the Institute of Agricultural Microbiology), Vol XII, p 56, 1951.
483. Ressel, E., Pochvennye usloviya i rost rastenii (Soil Conditions and Plant Growth).-1 933; 1955.
484. Richter, N.N., Verner, A.V., A Trial Account of the Fungal Flora in Soils of the Lower Volga Region.--"Zhurn. op. agron. Yugo-Vost. " (Journal of Experimental Agriculture of the Southeast), No 9, Edition 1, 1931,
485. Rode, A. A., Pochvennaya vlaga (Soil Humidity).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1952.
486. Rodygin, M.N., Phytocides in Agriculture.--"Priroda" (Nature), No 6, p 102, 1955.
487. Rokhlina, E. Ya., Effect of Radon on Cells Possessing Chlorophyll.-"Vest. rentg. i radiol." (Herald of Roentg. and Radiol.), Vol VIII, NoB 5-6, 1930.
488. Rokhlina, E. Ya., Biologicheskoe deistvie radona v svyazi s vliyaniem sredy i fiziologicheskim sostoyaniem organizma (Biological Action of Radon in Connection with the Influence of the Environment and the Physiological State of the Organism).-Diss. (Thesis), 1054.
489. Romeiko, I.N., Mikrobiologicheskie issledovaniya rizosfery khmelya (Microbiological Studies of the Rhizospheres of Hops).-Diss. (Thesis), 1954.
490. Rotmistrov, M.N., Anaerobnoe brozhenie tsellyulozy i napravlennaya izmenchivost' ego vzbuditelei (Anaerobic Fermentation of Cellulose and Directed Variability of its Causative Agents).-Diss. (Thesis), 1950.
491. Rubashov, A.B., On the Genesis of Waterproof Structure and its Role in Fertility.- "Pochvoved." (Soil Science), No 3, p 145, 1040.
492. Rubenchik, L.I. Variability of Root-nodule Bacteria.-Dokl. na konfer. po s. --kh mikrobiol. v Leningrade (Lectures on the Agricultural Microbiology, Symposium in Leningrad), 1953a.

493. Rubenchik, L.I., Microbiological Processes in Soil and Means for their Control.-Sb. Voprosy primen. bakt. udobr. (Coll. Papers on the Problem of Application of Bacterial Fertilizers), p 7, 1953b.
494. Rubenchik, L.I., Roizin, M.B., The Effect of Bound Nitrogen on the Azotobacter.-Tr. nauchn. konfer. po bakteriol. i izmenchiv. mikrobov (Works of Scientific Conference on Bacteriological and Bacterial Variability), Kiev, 1936.
495. Rubenchik, L.I., Roizin, M. B., The Effect of Bound Nitrogen on Azotobacter. - Sb. Minlivost' mikrobov i bakteriofaga (Coll. Papers on Variability in Bacteria and Bacteriophages) Kiev, 1939 (Ukrainian).
- 4 9 6 Rubenchik, L.I., Roizin, M.B., Belyanskii, F.M., Bacterial Adsorption in Salty Water Containers.-"Mikrobiol. " (Microbiology), No 3, Edition 1, 1934.
- 4 9 7 Rubin, B.A., The Role of Metabolism in the Interrelationship between **the** Organism and Environment.-Izv. AN SSSR, ser. biolog. (Proceedings of the Academy of Sciences of the USSR, Biological Series), No 6, 1950.
498. Rudakov, K.I., Humus Formation in the Process of Plant Growth.-Tr. yubil. sess. posvyashch. 100 let. rozhd. V. V. Dokuchaeva (Works of the Jubilee Session Dedicated to the 100th Birthday of V. V. Dokuchaev).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), pp 236-244, 1949.
499. Rudakov, K.I., Mikroorganizmy i struktura pochvy (Microorganisms and Soil Structure). -1951.
500. Rudakov, K.I., **Birkel'**, M.R., The Growing Plant, Microorganisms and Stable Soil Structure.-"Mikrobiol. " (Microbiology), Vol XVIII, No 6, pp 545-548, 1949.
501. Runov, E.V., Enikeeva, M.G., Effect of Vegetative Leaf Shed of Trees and Bushes on the Microflora of Chernozem Soils of the Dry Steppes. - "Mikrobiol. " (Microbiology), Vol XXIV, No 1, p 48, 1955.
502. Ruzhichka, (see Peshkov, 1955).
503. Rybalkina, A.V., On Toxic Substances in Soils and their Action on Soil Bacteria.-"Mikrobiol. " (Microbiology), Vol VII, No 8, p 917, 1938a.
504. Rybalkina, A.V., Microcolonies and Filterable Forms of Azotobacter chroococcum. --"Microbiology), Vol VII, p 1086, 1938b.
505. R y b a l k i n a, A. V. , Survival of Azotobacter chroococcum in Peat. - "Mikrobiol. " (Microbiology), Vol VII, No 8, 1938c.
508. Ryzhkov, V. L.. Virus Classification in Modern Literature.-"Mikrobiol. " (Microbiology), Vol XXI, p 438, 1952.
507. Sabinin, D.A., Mineral'noe pitanie rastenii (Mineral Nutrition of Plants). -Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow- Leningrad, 1940.
508. Sabinin, D.A., Fiziologicheskie osnovy pitaniya rastenii (Physiological Principles of Plant Nutrition.-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow-Leningrad, 1955.

- 5 0 9 Sakharov, P. P., Nasledovanie priobretennykh svoistv (Heredity of Acquired Characteristics).-Moscow, 1952.
510. Samokhvalov, G.K., Novoe ob uglerodnom pitanii rastenii (New Data on the Carbohydrate Nutrition of Plants).-Khar'kov, 1952.
511. Samtsevich, S.A., Koretskaya, Z.M., Vizir, A.P., Vliyanie lesnoi rastitel'nosti na mikrofloru chernozemnykh pochv Chernogo lesa (The Effect of Forests on the Microflora of Chernozem Soils of the Black Forest), -Vol I, p 152, 1949.
512. Samtsevich, S.A., Koretskaya, Z.M., Sosnyagova, G.A., Microflora of the Oak Rhizosphere. -Pratsi institutu lisivn. AN Ukr. SSR. (Works of the Forestry Institute of the Academy of Sciences of the Ukrainian SSR), Vol III, p 184, 1952 (Ukrainian).
513. Savvinov, N.I., Pankova, N., The Root System of Plants in Virgin Sectors of the Trans-Volga Steppes and a New Method of its Study.-Sb. pam. Vil'yamsa (Coll. in Memory of Vil'yams), p 177, 1942.
514. Seiketov, G. Sh., Antagonisticheskie svoistva pochvennykh gribov iz roda Trichoderma i ispol'zovanie ikh v bor'be s rizoktoniozom kartofelya (Antagonistic Properties of Soil Fungi of the Genus Trichoderma, and their Application in Combating Rhizoctoniosis of Potatoes). -Diss. (Thesis), 1951.
515. Seliber, G. L., Heterotrophic Nutrition of Autotrophs. -"Priroda" (Nature), No 3, p 45, 1944.
516. **Semenov-Tyan'-Shanskii**, A. , 1910 (see Krasil'nikov, 1938).
517. Serdobol'skii, I.P., Khimiya pochv (Soil Chemistry). --Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1953.
518. Shalyt. M-S., Kalmykova, A.A., The Root System of Plants in the Main Types of Soil in Ukraine.-"Bot. zhurn. SSSR" (Journal of Botany of the USSR), Vol XX, p 4, 1935.
519. Shaposhnikov, V. N., O znachenii fiziologicheskikh priznakov v sistematike mikroorganizmov (The Importance of Physiological Properties in the Classification of Microorganisms).-Vol XIII, No 1, 1944.
- 5 2 0 Shaposhnikov, V.N., CO₂ in the Metabolism of Heterotrophic Bacteria.--"Mikrobiol. " (Microbiology), Vol XXI, p 738, 1952.
521. Shavlovskii, G.N., The Participation of Rhizosphere Microorganisms in the Supplying of Plants with Vitamins. -DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XCV, No 5, 1954.
522. Shavlovskii, G.M., The Role of Microorganisms of the Rhizosphere in Vitamin and Amino Acid Nutrition of Plants.-Sb. Izotopy v mikrobiol. (Coll. Isotopes in Microbiology), p 186, 1955,
523. Sheloumova, A. M. , Azotogen (Azotogen). -Leningrad, 1938.
524. Sheloumova, A.M., Menkina, R.A., The Higher Plant as a Source of Nutrition for the Azotobacter.--Tr. s. -kh In-ta (Works of the Agricultural Institute), Vol VIII, No 2, 1927.

- 5 Shemakhanova, N.M., Isotopes in the Study of Mycotrophism of Woody Plants. --Sb. Izotopy v mikrobiol. (Isotopes in Microbiology), p 148, 1955.
- 5 Shevyakov, V. T., 1893 (see Peehkov, 1955).
527. Shevyrev, I., Extraroot Nutrition of Diseased Fir Trees, their Treatment and their Destruction by Parasites-Lesn, departam. (Department of Forestry), p 16, 1903.
- 5 Shiller, I. G. , Napravlenyi antagonizm mikrobov (Directed Microbial Antagonism). -Kiev, 1952.
- 5 Shilova, E., On the Quantitative Composition and Mass of Invertebrates in Podsol Soils.- Vestn. LGU (Herald of the Leningrad State University), No 1, p 21, 1950.
- 5 Shiryamov, A., Poiski i sbor gribov v podmoskovnykh lesakh (Looking for and Gathering of Mushrooms in the Forests near Moscow).-Moscow, 1948,
- 5 Shmuk, A.A., Some Data on the Norms of Nitrogen in Soils. --"Zhurn. opyt. agron. " (Journal of Experimental Agronomy), Vol XII, 1911; Vol XV, p 130, 1914.
- 5 Shmuk, A.A., On the Chemistry of Organic Compounds of the Soil.-Trudy Kub. e.-lch In-ta (Works of the Kuban' Institute of Agriculture), Vol I, No 2, 1924.
- 5 Shmuk, A.A., Studies on the Nitrate Nutrition of Plants.-Tr. Kub. s.-kh In-ta (Works of the Kuban' Institute of Agriculture), Vol III, pp76-94, 1925.
- 5 Shmuk, A.A.. On the Problem of the Chemical Nature of the Organic Substances of the Soil.--"Byull. pochvov. " (Bull. of Soil Science), Nos 5 - 7, 1930.
- 5 Schneidewind, V., Pitanie sel' skokhozyaistvennykh kul'turnykh rastenii (Nutrition of Agricultural Cultivated Plants).-Moscow, 1933.
536. Shopfer, V. Kh., Vitaminy pochvy. Biokhimiya i fiziologiya vitaminov. I. Biokhimiya i funktsiya vitaminov (Soil Vitamins. Biochemistry and Physiology of Vitamins. I. Biochemistry and Function of Vitamins).-1950.
- 5 Shtern. E.A., Application of Radioactive Strains of Azotobacter as Fertilizers for Nonlegumines. -"Vestn. rentg. i radiol. " (Herald of Roentg. and Radiol.), Vol XII, p 199, 1940a.
- 5 Shtern, E. A., The Importance of the Growth Hormones of Azotobacter and its Radioactive Strains for the Development of Higher Plants.-"Vestn. rentg. i radio. " (Herald of Roentg. and Radiol.), Vol XII, p 190, 1940.
- 5 3 9 Shtern, E.A., Serological Characteristics of Root-nodule Bacteria.-"Mikrobiol. " (Microbiology), Vol XXII, No 4, p 423, 1953.
- 5 Shtina, E.A.. Changes in the Flora of Soil Algae due to Crop Rotation.-Byull. Mosk. ob-va isp. prir., Otd. biol, (Bull. of the Moscow Society of Nature Investigators, Biology Section), Vol LXIX, No 5, 1954a.

541. Sh t i na, E. A., On the Problem of the Dynamics of the Soil Microflora in Grass-field Crop Rotation. --Tr. Kirov sk. s. --kh In-ta (Works of the Kirov Institute of Agriculture), Vol IX, No 1, 1 953; Vol X, No 1, 1954b.
542. Shtina, E.A., Vodorosli dernovo-podzolistykh pochv i ikh rol' v pochvennykh protsessakh (Algae of the Peat-podsol Soils and their Role in Soil Processes).--Diss. (Thesis), 1955.
543. Shulov. I. S., Issledovaniya v oblasti fiziologii pitaniya vysshikh rastenii pri pomoshchi metodov izolirovannogo pitaniya i steril'nykh kul'tur (Studies of the Physiology of Higher Plant Nutrition with the Aid of the Method of in vitro Nutrition and Sterile Cultures).--Pp 1-213, 1913.
544. Sh u l t z, (cited from Schneidewind, 1933).
545. Sidorenko, A.I., Effect of Some Bacterial Species on Crops of Summer Wheat and Oats.--"Sov. xgron. " (Soviet Agronomy), Nos 11- 12, p 98, 1940a.
546. Sidorenko, A.I., The Growth of Azotobacter in the Rhizosphere of Agricultural Plants.--"Mikrobiol. " (Microbiology), Vol IX, No 2, pp 153-158, 1940b.
547. Sidorenko, A.I., On the Interaction of Agricultural Plants and the Azotobacter.--Nauchn. zap. Khar'k.s.--kh In-ta (Scientific Notes of the Kharkov Agricultural Institute), Vol I, p 176, 1940c.
546. Simakov, V.N., Studies on the Adsorption of Organic Substances by Soil.--Trudy Leningrad otd. VIUAA - Vsesoyuznyi institut udobrenii, agro-pochvovedeniya i agrotekhniki (Works of the Leningrad Branch of the All-Union Institute of Fertilizers, Soil Science, and Agricultural Engineering), No 51, 1936.
549. Simakov, V.N., On the Adsorption of Organic Substances.--Uch. zap. LGU No 71, ser. geol. pochv. nauk (Scientific Notes of the Leningrad State University, Geology of Soil Science, Series No 71), No 12, p 33, 1944.
550. Simakova, T.L., The Availability to Bacteria of Nitrogenous Substances Adsorbed by Cellulose and Lignin.--Uch. zap. LGU, seriya geol. pochv nauk (Scientific Notes of the Leningrad State University), Series of Geology--Soil Sciences), No 12, p 113, 1944.
551. Sisakyan. N.M., Fermentativnaya aktivnost' protoplazmennykh struktur (The Enzymatic Activity of Protoplasmic Structures).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1951.
552. Sisakyan, N.M., Biokhimiya obmena veshchestv (Biochemistry of Metabolism), --Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1954.
553. Slonimskii, P., Specific Connection between Adaptive Enzyme Formation and Cytoplasmic Mutations. Sb. adaptatsiya u mikroorganizmov (Coll. Adaptation in Microorganisms), p 127, 1956 (Russian translation).
554. Smnlii, V.T., Studies of the Effect of Microorganisms on Germination and Growth of Kok-Saghyz*.--"Mikrobiol. zhurn." (Journal of Microbiology), Vol VIII, No 1, Kiev, 1951.

* [Taraxacum kok-saghyz.]

555. Smalii, V. T., Heteroauxin Formation in Association Cultures of Azotobacter. – "Mikr obiol. zhurn. " (Journal of Microbiology), Vol XVI, No 4, 1954 (Ukrainian).
556. Sokolov, A.V., Raspredelenie pitatel'nykh veshchestv v pochve i urozhai rastenii (Distribution of Nutrients in the Soil and Plant Crops).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1947.
557. Solov'ev, V. N., Effect of Volatile Phytocides on Pollen Germination.-- DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XLVII, No 4, p 741, 1954.
558. Soprunov, F.F., Khishchnye pochvennye griby Turkmenistana (Predatory Soil Fungi of Turkmenistan).-Diss. (Thesis), 1954.
559. So r o k i n, 1890 (see Krasil'nikov, 1949).
560. So s s y u r, 1804 (cited from Pryanishnikov, 1952; Ressel, 1955).
561. Spiegelman, E., Halvorson, Ch., The Nature of the Precursor in Induced Enzyme Synthesis. -Sb. Adapt. u mikroorg. (Coll.Adaptation in Microorganisms), p 158, 1956 (Russian translation).
562. Stanier, R., Evolutionary and Physiological Adaptation or Darwinism in Microbiology. -Sb. Adapt. u mikroorganizmov (Coll. Adaptation in Microorganisms), 1956 (Russian translation).
563. S t e p a n o v a, B. M. , Chernaya smorodina-vitaminnaya kul'tura Black Currants, a Vitamin-containing Plant).-Moscow, 1950.
564. Stephenson, M.. Metabolizm bakterii (Bacterial Metabolism), 195 1. (Translated from English).
565. Streshinskii, M.O., Stimulating Effect of Penicillium on the Formation of Biotic Substances by a Culture of Bac. subtilis.- "Mikrobiol. " (Microbiology), Vol XVIII, No 5, 1949.
566. Streshinskii, M.O., Directed Variability of Bacteria under the Influence of Metabolisms of other Forms of Microorganisms.-"Zhurn. obshchei biologii" (Journal of General Biology), Vol XI, No 2, pp 131-144, 1950.
567. Streshinskii, M.O., Spore Formation and Polarity of the Bacterial Cell.- "Zhurn. obshchei biol. " (Journal of General Biology), Vol XVI, No 6, 1955.
568. Streshinskii, M.O., On the Problem of the Individual in Bacteria.-Izv. AN SSSR (Proceedings of the Academy of Sciences of the USSR), Biological Series, No 2, p 61, 1956.
569. Su k h o v, K. S., Problems of Modern Virology.-Sb. Filos. vopr. sovr. biol. (Coll. Philosophy of Modern Biology), p 335, 1951.
570. Sukhov, K.S., Biologiya virusov i virusnye bolezni rastenii (Virus Biology and Virus Diseases of Plants).-Moscow, 1955.
571. Sukhorukov, K.T., Fiziologiya immuniteta rastenii (Physiology of Plant Immunity).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR).-Moscow, 1952.

572. Sushkina, N.N., Ekologo-geograficheskoe rasprostranenie azotobaktera v pochvakh SSSR (Ecological and Geographical Distribution of Azotobacter in the Soils of the USSR).-Moscow, 1949.
573. Sushkina, N.N., Ryzhkova, P. S., On the Microflora of Soils of the Western Shores of Novaya Zemlya.--DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol CVI, No 5, 1955.
574. Tanatin, B. Ya., Azotobacter Accumulation and Cellulose Decomposition in the Rhizosphere of Potato and Vegetable Plants.-Byul. po plodov. vinogr. i ovoshchev (Bull. Fruit Viticulture and Vegetable Growing), No 12, p 105, 1949.
575. T a n a t i n, B. Ya., Rasprostranenie azotobaktera v pochvakh Leninabadskoi oblasti Tadzhijskoi SSR (Azotobacter Distribution in Soils of Leninabad Oblast' of the Tadzhijsk SSR).-Diss. (Thesis). 1953.
576. Tauson, V.O., Velikie dela malen'kikh sushchestv (The Great Deeds of Small Creatures). Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow-Leningrad, 1948.
577. Teer, 1752-1 828, (cited from Pryanishnikov, 1952).
578. Tendetnik, Yu.Ya. Eksperimental'naya razrabotka biologicheskogo metoda bor'by s patogennymi nematodami (Experimental Elaboration of a Biological Method of Combating Pathogenic Nematodes).-Diss. (Thesis), Ashkhabad, 1957.
579. Tepper, E. S., On the Bacteria of the Rhizosphere of Oats and their Sources of Nutrition.-Dokl. S.-kh akad. im. Timiryazeva (Reports of the Academy of Agriculture im. Timiryazev), Vol VIII, pp 115-129, 1949.
580. Tepper, E. S., 1952 (cited from Rudakov, 1945 and 1951).
581. Timakov, V.D., Directed Variability of Microorganisms.--Tr. konfer. po izmench. i selekts. mikroorg. (Works of the Symposium on Variability and Selection of Microorganisms), Moscow, 1952.
582. Timiryazev, K.A., 1941, (after Krasil'nikov and Mirchink, 1955).
583. Tokin, V.T., Fitontsidy (Phytocides).--Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1951.
584. Tol'skii, A. P., 1904, (cited from Savvinov and Pankova, 1942).
585. Tovarnitskii, V.I., Rivkind, T.L., Hormone Treatment of Seeds-a Possible Agrotechnical Method. -DAN SSSR (Reports of the Academy of Sciences of the USSR), Vol XV, Nos 6-7, p 365, 1937.
586. Tovarnitskii, V.I., Statkovskaya, E., Hormone Treatment -Dokl. VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences, im. V.I. Lenin), Nos 3-4, p 41, 1938.
587. Troitskii, V. L., 1943, (cited from Rudakov, 1949, and 1951).
588. Troitskii, V.L., Pershina, Z.G., Solov'eva, N.N., On the Mechanism of Formation of Drug-resistant Bacterial Forms.-Tr. Ak. med. nauk SSSR (Works of the Academy of Medical Sciences of the USSR), Vol V, No 1, 1950.

589. Tsetnov, E., (see Peshkov, 1955).
590. Tueva, O. F., On the Exosmosis of Cations from the Root Systems.-Izv. Biol. n-issl in-ta pri Perm. gosuniv. (Proceedings of the Research Institute for Biology at the Perm State University), No 4, p 10, 1926.
591. Turetskaya, R. Kh., Physiology of the Action of Growth Factors upon Plant Propagation by Grafts.-Usp. sovr. biol. (Recent Progress in Biology), Vol XL, No 1, 1955.
592. Tyulin, A. F., Problems of Forest Soil Structure. -"Pochvoved. " (Soil Science), No 1, p 30, 1954.
593. Tyurin, I. V., Organicheskoe veshchestvo pochvy (The Organic Substances of the Soil). Moscow, 1937.
594. Tyurin, I.V.. Geographical Regularities of Humus Formation.-Trudy yub. sessii 100-letya s dnya rozhd. V. V. Dokuchaeva (Works of the Jubilee Session Dedicated to the 100th Birthday of V. V. Dokuchaev), 1949.
595. Tyurin, I.V., Gutkina, E.L., Data from Studies on the Nature of Chernozem Humus.-Trudy Pochv. In-ta AN SSSR (Works of the Institute of Soil Science of the Academy of Sciences of the USSR), Vol XXIII, 1940.
596. Ukhtomskaya, F.I. The Role of Enzymes in the Self- cleaning of Soils. - "Gigiena i sanitariya" (Hygiene and Sanitation), No 11, p 46, 1952.
597. Ukrainskii, V. T., Chemical Composition of the Roots of Perennial Grasses and its Decomposition after the Plowing of the Sod Layer.-Dokl. VASKhNIL (Reports of the All-Union Academy of Agricultural Sciences im. V. I. Lenin), No 9, p 16, 1953.
598. Usov, S.A. The Formation of Cells in Vertebrate Embryos by a Unique Method.-"Russk. zool. zhurn. " (Russian Zoological Journal), Vol IV, Nos 1-2, 1924.
599. Vasil'kov, B. P., Izuchenie shlyapochnykh gribov v SSSR (Studies on the Pileate Mushrooms of the USSR).-1953.
600. Vavilov, N.I., Immunitet rastenii k infektsionnym zabolevaniyam (Plant Immunity to Infectious Diseases).-Moscow, 1919.
601. Vavilov, N. I., Zakon gomologicheskikh ryadov v nasledstvennoi izmenchivosti (The Law of Homologous Series in Hereditary Variability).- Moscow, 1932.
602. Verigo, A.B., The Determination of Radium Emanation Content in the Atmospheric Air.- Trudy Radievogo In- ta AN SSSR (Works of the Radium Institute of the Academy of Sciences of the USSR), Vol IV, 1938.
603. Vernadskii, V.I., Radium Concentration in Living Organisms.-DAN SSSR (Reports of the Academy of Sciences of the USSR), **Series A**, No 2, 1929.
604. Vernadskii, V.I., Isotopes and Living Matter.-DAN SSSR (Reports of the Academy of Sciences of the USSR), Series A, 1926.
605. Vernadskii, V.I., Ocherki geokhimii (Outlines of Geochemistry).- Moscow, 1927.
606. Verner, A.R.. Yurkina, V.I., The Role of Growth Factors in Nitrogen Fixation by Azotobacter.--Uch. zap. SGU. Biol. ser. (Scientific Notes of the Saratov State University, Biological Series), Vol I, No 2, 1936.

607. Verner, A.R., Yurkina, V.I., The Role of **b**-Growth Factors in Nitrogen Fixation by **Azotobacter**. -Uch. zap. SGU, Biol. ser. (Scientific Notes of the Saratov State University, Biological Series), Vol I, p 3, 1939.
608. Verzilov, V.F., Biologicheskie osnovy primeneniya stimulyatorov rosta pri peresadke drevesnykh rastenii (Biological Basis of the Use of Growth Stimulants upon the Transplantation of Woody Plants).-Diss. (Thesis), Moscow, 1953.
609. Vetstein, 1898, (cited according to Krasil'nikov), 1938a.
610. Vigorov, L.I., On the Substances Released by Wheat Sprouts upon Guttation. -" Priroda" (Nature), No 2, p 106, 1954.
611. Vilenskii, D.G., Pochvovedenie (Soil Science).-Moscow, 1954.
612. Vil'yams, V.R., Lektsii po pochvovedeniyu (Lectures on Soil Science).-Izbr. soch. Izd. AN SSSR (Selected Papers Published by the Academy of Sciences of the USSR), 1950.
613. Vil'yams, V.R., Obshchee zemledelie s osnovami pochvovedeniya (General Agriculture with Outlines of Soil Science).-1931.
614. Vil'yams, V.R., Pochvovedenie, zemledelie s osnovami pochvovedeniya (Soil Science, Agriculture with Outlines of Soil Science).-1947.
615. Vil'yams, V.R., Pochvovedenie (Soil Science), pp 328-355, 1947.
616. Vil'yams, V.R., Pochvovedenie (Soil Science).-Izbr. soch. (Selected Papers), Moscow, 1949.
617. Vinogradov, A. P., Geokhimiya zhivogo veshchestva (Geochemistry of Living Matter). --Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1932.
618. Vinogradskii, S.N., Mikrobiologiya pochvy (Soil Microbiology).-Izd. AN SSSR (Published by the Academy of Sciences of the USSR), 1952.
619. Vlasyuk, P.A., The Effect of Nuclear Radiation on Plants.-Trudy sessii AN SSSR, OBN (Works of the Sessions of the Academy of Sciences of the USSR, Department of Biological Sciences), 1-5, 1955.
620. Vlasyuk, P.A., Menzon, V.D., On the Participation of Microorganisms in Plant Nutrition. Izv. AN SSSR, Ser. biol. (Proceedings of the Academy of Sciences of the USSR, Biological Series), No 3, p 49, 1955.
621. Volkova, O.Yu., Antibacterial Properties of Medicinal Muds and the Conditions of their Formation.-"Mikrobiol. " (Microbiology), Vol XXI, No 2, 1952.
622. Vorob'eva, Shchepetil'nikova, 1936, (cited from Krasil'nikov and Mirchink, 1955).
623. Voronin. M.S., On the So-called Mycorrhiza.--Zap. Peterb. Ak. nauk. (Proceedings of the Petersburg Academy of Sciences), 1886.
624. Voronin, M.S., Mikologicheskie issledovaniya (Mycological studies), 1869.

625. Vysotskii, G.N., Mycorrhiza of Oak and Pine Saplings. --"Lesoprom. vest. " (Herald of Forestry), 29, p 504, 1902.
626. Vysotskii, G.N., Uchenie o vliyanii lesa na izmenenie sredy ego proizrastaniya i na okruzhayushchee prostranstvo (The Effect of Forests on their Growth Medium and on the Surrounding Terrain).-Moscow, 1950.
627. Waksman, S.A., Gumus (Humus). -Moscow, 1937 (translated from English).
628. Waksman, S.A., Antagonism mikrobov i antibioticheskie veshchestva (Microbial Antagonism and Antibiotics).-Moscow, 1947 (Russian translation).
629. Werkman, S., Wilson, P., Fiziologiya bakterii (Bacterial Physiology). - Moscow, 1954. (Russian translation).
- 629a. Wooley, D., Study of Antimetabolites.- 1954 (Russian translation).
630. Yachevskii, A.A.. On the Problem of Species Formation in Fungi.- Mater. po mikolog. i fitopat. (Materials on Mycology and Phytopathology).-- Vol IV, p 1, 1927.
631. Yachevskii. A. A., Osnovy mikologii (Principles of Mycology).-Moscow, 1933.
632. Yachevskii, A.A., Bakteriozy rastenii (Bacterioses of Plants).-- Moscow, 1935.
633. Zakhar'yants, I.L., Gorbacheva, Z.I., Zglinskaya, N.A., 1950, (cited from Ovcharov, 1955).
634. Zeding, G., Rostovye veshchestve rastenii (Growth Substances of Plants).-- 1955 (translated from German).
635. Zhukovskii, P.M., Medvedev, Zh., The Importance of Light Energy and Carotenoids in the Development of Sexual and Asexual Generations in the Plant Kingdom.--"Usp. Sov. biol. " (Recent Progress in Biology), Vol XXVI, No 14, 1948; DAN SSSR (Report of the Academy of Sciences of the USSR), Vol LXIV, No 64.
636. **Zil'ber**, L.A., Paraimmunitet (Paraimmunity). -Moscow, 1928.
637. **Zil'ber** L.A., On the Nature of Viruses and their Origin. --"Mikrobiol. " (Microbiology), Vol XXII, p 81, 1953.
638. Zinov'eva, Kh. G., The Effect of the Rhizosphere of Some Agricultural Plants on Azotobacter,--"Mikrobiol. zhurn." (Journal of Microbiology), Vol XII, 84, 81, 1950.
639. Zonn, S.V., Vliyanie lesa na pochvy (The Effect of a Forest on the Soil).-- Izd. AN SSSR (Published by the Academy of Sciences of the USSR), Moscow, 1954.
640. Zonn. S.V.. The Biogeocoenotic Method and its Importance in Studies of the Role of Biological Factors in Soil Formation.--"Pochvoved. " (Soil Science), No 6, p 136, 1955.
641. Zyrin, N.G., Humin of the Organic Substances of the Soil.--"Vestn. MGU" - Gosudarstvennyi Universitet (Herald of the Moscow State University), No 1, 1954.