

REFERENCES

1. Wadia, D.N., The Geology of India (10th Edn.) Tata McGraw Hill Publishing Co. Ltd., New Delhi, 414, 1966.
2. Wadia, D.N., The Wealth of India, Council of Scientific and Industrial Research, New Delhi, 1966.
3. H.H. Read in Rutley's Elements of Mineralogy (26th Edn), CBS Publishers and Distributors, New Delhi, 1984.
- ✓ 4. Roychoudhury, M.K. Bauxite in Bihar, M.P. Vindhya Pradesh, Madhya Bharat and Bhopal, Mem. GSI, Vol.85, 1958.
5. Sahasrabudhe, Y.S. Bauxite deposits of Gujrat, Maharashtra and Parts of Karnataka, G.S.I. Bulletin Series (A), 39, 1978.
6. Nandi, A.K., Classification of Indian bauxites - a technological approach, Proc. IInd. International Conference on aluminium, INCAL, 1991.
7. The Wealth of India, A dictionary of Indian raw materials and Industrial Products, Part IIB. Council of Scientific and Industrial Research, New Delhi, 1966.
8. Bauxite Aluminating non-metallurgical sectors, Industrial Minerals, 1988.
9. Proc. of the Bauxite Symposium, Los Angeles, California, Jacob, L. (Ed.) 1984.
10. Non-metallurgical grades Bauxites creme de la creme, Industrial Minerals, Harben, P. and Dickson, T. (Eds), 192, 25, 1983.
11. Tyler, S.A. and Barghoorn, E.S., Science 119, 606, 1954.
12. Marshall, C.G.A., May, J.W., Perret, C.J., Science 144, 290, 1964.

13. Barghoorn, E.S. and Tyler, S.A., Science, 147, 563, 1965.
14. Cloud Jr., P.E., Science, 148, 27, 1965.
15. Barghoorn, E.S. Meinschein, W.G., Schopf, J.W., Science, 148, 461, 1965.
16. Schopf, J.W., Barghoorn, E.S., Maser, M.D., Gordon, R.O., Science 149, 1365, 1965.
17. Barghoorn, E.S. and Schopf, J.W., Science 150, 337, 1965.
18. Cloud Jr., P.E. and Hagen, H., Proc. Nat. Acad. Sci. U.S. 54, 1, 1965.
19. Barghoorn, E.S. and Schopf, J.W. Science, 152, 758, 1966.
- ✓ 20. Muntz, A. C.R. Acad. Sci. Paris, 110, 1370, 1890.
- ✓ 21. Vernadskii, V.I., A Treatise on Geochemistry Gosizdat. (Russian), 1934.
- ✓ 22. Aleksandrov, G. and Zak, G.A., Mikrobiologia, 19, 97, 1950.
- ✓ 23. Yoshida, S., Ohnishi, Y. and Kitagishi, K., Soil Science Plant Food, 5, 23, 1959.
- ✓ 24. Okuda, A. and Takahashi, E., Proceedings of International Rice Research Institute, 123, 1964.
- ✓ 25. Holzapfel, L. and Engel, W., Zeitschrift fur Naturforschung, 93, 902, 1954.
- ✓ 26. Lauwers, A.M. and Heinen, W., Arch. Microbiol., 95, 67, 1974.
- ✓ 27. Gromov, B.V., Microbiology, 26, 52, 1957.
- ✓ 28. Silverman, M.P. and Munoz, E.F., Applied Microbiology, 22, 923, 1971.

- ✓ 29. Sutton, J.A. <sup>and</sup> Corrick, J.D., U.S. Bur. Mines R.I. No. 8003, 1961.
- ✓ 30. Thimann, V.K., The life of bacteria, 154, 706, 1963.
- ✓ 31. Tootill, E. The Penguin Dictionary of Botany, Penguin Books Ltd., London, pp. 390, 1984.
- ✓ 32. Pasteur, L., Studies on Wine Imprimerie Imperiale, Paris (French), 1966.
- ✓ 33. Moyer, A.J. and Coghill, R.D., J. Bact., 51, 79, 1946.
- ✓ 34. Waksman, S.A., Literature on Streptomycin 1944-52, New Brunswick, N.J., Rutgers University Press, 1952.
- ✓ 35. Hall, H.H. and Pfeifer, V.F., Bur. Agr. and Ind. Chem., Kioneographed Circ. Ser., AIC, 271, 1950.
- ✓ 36. Banik, A.K., J. Food Sci. Technol., 12, 111, 1975.
- ✓ 37. Smith, A.L., Introduction to Industrial Mycology, (6th edn), Edwald Arnold, London, 1969.
- ✓ 38. Avakyan, Z.A., Microflora of rock and its role in the leaching of silicate minerals, in International Seminar on modern aspects of Microbiological Hydrometallurgy and International training course on Microbiological leaching of metals from ores. Moscow-Sophia G.I. Karavaiko and S.N. Groudev (Eds). Publishers Centre of International Projects, GKNT Moscow, 1985.
- ✓ 39. \*Glazovskaya, M.A., Izvestia, A.N. Kaz. SSR, Ser. Pochven. No.6, 79, 1950 (In Russia).
- ✓ 40. Dorn, R.I. and Oberlander, T.M., Microbial Origin of Desert Varnish. Science, 213, 1245, 1981.
- ✓ 41.\* Savostin, P., Z. fur Pflanzenernahrung und bodenkunde, 1.32. 1, 37, 1972.

- ✓ 42. Lyalikova, N.N. and Lebedeva, E.V. In : Recent Progress in Biohydrometallurgy, G. Rosi and A.E. Torma (Eds.), Iglesias, Assoc. Mineraria, Sarada, Italy, p.727, 1983.
- ✓ 43. Bruynesteyn, A. and Duncan, D.W. Can. Met. Quart. 10, 57, 1971.
- ✓ 44. Torma, A.E. and Subramanian, K.N. Int. J. Min. Proc. 1, 125, 1974.
- ✓ 45. Torma, A.E. Complex lead sulfide concentrate leaching by microorganisms. In : Metallurgical Application of Bacterial Leaching and Related Microbiological Phenomena. L.E. Murr, A.E. Torma and J.A. Brierley (Eds.). Academic Press, New York, p.375, 1978.
- ✓ 46. Berry, V.K. and Murr, L.E. Direct observations of catalytic role in the leaching of low grade copper bearing waste. In : Metallurgical Applications of Bacterial Leaching and Related Microbiological Phenomena. L.E. Murr, A.E. Torma and J.A. Brierley (Eds.). Academic Press, New York, 103, 1978.
- ✓ 47. Brierley, J.A. and Brierley, C.L. Biological methods to remove selected inorganic pollutants from uranium mine waste water. In : Biogeochemistry of Ancient and Modern Environments. P.A. Trudinger, M.R. Walter and B.J. Ralph (Eds.). Australian Academy of Science, p.661, 1980.
- ✓ 48. Ebner, H.G. Metal recovery and environmental protection by bacterial leaching of inorganic waste materials. In : Metallurgical Applications of Bacterial Leaching and Related Microbiological Phenomena. L.E. Murr, A.E. Torma and J.A. Brierley (Eds.). Academic Press, New York, p.195, 1978.
- ✓ 49. Medows, D. The limits of growth. Universe Books, New York, 1972.
- ✓ 50. Brierley, C.L. Bacterial leaching. CRC Crit. Rev. Microbiol. 6, 207, 1978. ✓

51. Brierley, C.L., Microbiological Mining. Sci. Am. 247, 42, 1982.
52. Brierley, C.L., Kelly, D.P., Seal, K.J. and Best, D.J., Materials and Biotechnology, in Biotechnology Principles and Applications. I.J. Higgins, D.J. Best and J. Jones (Eds.). Blackwell, Oxford, p.163, 1985.
53. Murr, L.E., Torma, A.E. and Brierley, J.A. (Eds.), Metallurgical Applications of Bacterial Leaching and Related Microbiological Phenomena. Academic Press, New York, p.526, 1978.
54. Lundgren, D.G. and Silver, M., Ann. Rev. Microbiol. 34, 263, 1980.
55. Torma, A.E. and Bosecker, K., Prog. Ind. Microbiol. 16, 77, 1982.
56. Lundgren, D.G. and Malouf, E.E., Microbial Extraction and concentration of metals. In : Advances in Biotechnological Processes. Liss, New York, 1, 223, 1983.
- 57.\* Rossi, G. and Torma, A.E. (Eds.), Recent Progress in Biohydrometallurgy. Iglesias, Assoc. Mineraria, Sarda, Italy. p.752, 1983.
58. Ralph, B.J., Geomicrobiology and the new technology. Dev. Ind. Microbiol. 26, 23, 1985.
- 59.\* Agricola, G., De Re Metallica. Transl. H.C. Hoover and L.H. Hoover, New York : Dover (From latin), 1950.
60. Sakaguchi, H., Silver, M. and Torma, A.E. Biotech. Bioeng. 18, 1091, 1976.
61. Malouf, E.E. and Prater, J.D. J. Metals. 13, 353, 1961.
62. Bryner, L.C. and Anderson, R. Ind. Eng. Chem. 49, 1721, 1957.

63. Ivanov, V.I., Nagirayak, F.I. and Stepanov, B.A., Mikrobiologiya, 30, 688, 1961.
64. Torma, A.E., The role of Thiobacillus ferroxidans in hydrometallurgical processes. In : Advances in Biochemical Engineering. T.K. Ghosh, A. Fiechter and N. Blakebrough (Eds.), Springer Verlag, 6, 1, 1977.
65. Hutchins, S.R., Davidson, M.S., Brierley, J.A. and Brierley, C.L. Ann. Rev. Microbiol. 40, 311, 1986.
66. Fisher, J.R., CIM Bull. 59, 588, 1966.
67. Harrison, V.F., Gow, W.A. and Hughson, M.R., J. Met. 18, 1189, 1966.
68. Torma, A.E. and Legault, G., Ann. Microbiol. (Inst. Pasteur), 124A, 111, 1973.
69. Torma, A.E. Rev. Can. Biol. 30, 209, 1971.
70. Torma, A.E. and Gabra, G.G., IRCS Medical Science, 3, 228, 1975.
71. Groudev, S.N., C.R. Acad. Bulg. Sci. 34, 217, 1981.
72. Brierley, C.L., The prospects for using biotechnology for Cobalt and Nickel recovery from copper ores and solid waste materials. Proc. Symp. Hydromet. Copper Byprod. Rarer Met. Dallas, AIME, New York, p.7, 1983.
73. Brierley, C.L., J. Less-Common Met. 36, 237, 1974.
74. Torma, A.E., Microbiological extraction of cobalt and nickel from sulfide ores and concentrate. Can. Patent No.2, 169, 263, 1973.
75. Groudev, S.M., C.R. Acad. Bulg. Sci. 35, 1113, 1982.

76. Le Roux, N.W. and Wakerley, O.S., The leaching of sulfide ores by a thermophilic bacterium. In : Biogeochemistry of Ancient and Modern Environments. P.A. Trudinger, M.R. Walter and B.J. Ralph (Eds.). Griffen, Canberra, Australia, p.723, 1980.
77. Ilyaletdinov, A.N., Kanalov, M.R. and Stukano, V.A., Mikrobiologiya, 46, 857, 1977.
78. Torma, A.E. and Gabra, G.G., J. Microbiol. Serol. 43, 1, 1977.
79. Torma, A.E. and Guay, R., Effect of particle size on the biodegradation of a sphalerite concentrate. Natl. Can. 103, 133, 1976.
80. Groudev, S.N., C.R. Acad. Bulg. Sci. 33, 1119, 1980.
81. Groudev, S.N., C.R. Acad. Bulg. Sci. 36, 105, 1983.
82. Fridman, I.D. and Savari, E.E., World Min. 36, 45, 1983.
83. Lawrence, R.W. and Bruynesteya, A., CIM Bull. 76, 107, 1983.
- 84.\* Robinson, P.C., Trans. Inst. Min. Met. Sect. C. : Miner Process Entr. Met. 92, C82, 1983.
85. Ehrlich, H.L., Geomicrobiology. Marcel Dekker Inc. New York, p.165, 1981.
86. Mokeicheva, L.Ya. and Lyali Kova, N.N., Mikrobiologiya, 38, 805, 1969.
87. Karavaiko, G.I., Kuznetsov, S.I. and Golorizik, A.I., The bacterial leaching of metals from ores. Nauka, Moscow, p.1, 1972.
88. Korobush Kina, E.D., Chernyak, A.S. and Mineev, G.G., Mikrobiologiya, 43, 49, 1974.



- 89.\* Rankama, K. and Sahama, T.G., Geochemistry. University of Chicago Press. Chicago, Illinois, 1960.
90. Heinen, W. Oehler, J.H. Evolutionary aspects of biological involvement in the cycling of silica. In : Biogeochemical Cycling of Mineral Forming Elements. P.A. Trudinger and D.J. Swaine (Eds.). Elsevier Scientific Publishing Co. Amsterdam-Oxford, New York, p.431, 1979.
91. Jacks, G.V., Sci. Prog. 41, 301, 1953.
92. Ilyaletdinov, A.N., Izv. Akad. Nauk SSR, Ser. Biol. (In Russian), 3, 420, 1969.
93. Ivashov, P.V., The significance of biological factors in the weathering of rocks and minerals. In : Biogeokhimiya Zony Gipergeneza, Nauka Press, Moscow (In Russian). p.30, 1971.
94. Aristovskaya, T.V., Geochemical activity of soil micro-organisms as an integral part of biogeochemistry. In : Ye. M. Lavrenko & T.A. Ralotnov (Eds.). Problemy Biogeotsenologii, Nauka Press, Moscow (In Russian). p.11, 1973.
- 95.\* Bassalik, K. Z., Gaerungsphysiol. 2, 1, 1914
- 96.\* Bassalik, K. Z. Gaerungsphysiol, 3, 15, 1914.
97. Thiel, G. J. Geol. 35, 647, 1927.
98. Webley, D.M., Duff, R.B. and Mitchell, W.A., Nature. 188, 766, 1960.
99. Duff, R.B., Webley, D.M. and Scott, R.O., Soil Sci. 95, 105, 1963.
100. Webley, D.M., Henderson, M.E.K. and Taylor, J.F., J. Soil. Sci. 14, 102, 1963.

- 101.\* Schwartz, W. and Wagner, M., Geomikrobiologische untersuchungen. VIII. Z. Allg. Mikrobiol. 7, 33, 1967.
- 102.\* Schwartz, W. and Wagner, M., Geomikrobiologische untersuchungen. IX. Z. Allg. Mikrobiol. 7, 129, 1967.
103. Goni, J., Greffard, J., Gugalski, T. and Leku, M., Bull. Soc. Francaise Mineral Cristallogr. 96, 252, 1973.
104. Goni, J., Gugalski, T. and Sima, M., Bulletin du Bureau de Recherches Geologiques et Minieres, Deuxieme Serie, Section IV, No.I, 31, 1973.
105. Tesic, Z.P. and Todorovic, M.S. Zemljiste Biljka, 8, 233, 1958.
106. Aristovskay, T.V., Daragon, A. Yu., Zykina, L.V. and Kutsova, R.S., Microbiological factors in the migration of certain mineral elements in soil pochrovedeniye(In Russian), 9, 95, 1969.
107. Aristovskaya, T.V. and Kutosova, R.S., Sov. Soil Sci. 12, 1653, 1968.
- 108.\* Mehta, A.P., Torma, A.E. and Murr, L.E., IRCS Medical Sciences : Biochemistry, Environmental Biology and Medicine, Microbiology, Parasitology and Infectious Diseases, 6, 416, 1978.
109. Groudev, S.N. and Genchev, F.N. In : 13th International Mineral Processing Congress, Warszawa, Proceedings of Round Table Seminar, "Beneficiation on clay Raw Materials" Polish Scientific Publishers, 87, 1979.
110. Henderson, M.E.K., Duff, R.B. J. Soil Sci. 14, 236, 1963.
- 111.\* Oberlies, F. and Pholmann, G. Naturwissen Schaften. 45, 487, 1958.

112. Meadows, P.S. and Dnerson, J.G. J. Mar. Biol. Assoc. UK. 48, 161, 1968.
113. Karavaiko, G.I., Krutsko, V.S., Melnikova, E.O., Avakya, Z.A. and Ostroushko, Yu. I. Mikrobiologiya, 49, 547, 1980.
- 114.\* Krutsko, V.S., Melnikova, E.O., Ostroushko, Yu. I., Karavaiko, G.I. and Avakyan, Z.A. In : Proceedings of the international conference on use of Microorganisms in Hydrometallurgy. B. Czeglédi et.al. (Eds.) Hungarian Academy of Sciences, Pecs, Hungary, p.143, 1980.
115. Jorgensen, E.G. Physiologia Plantarum. 8, 846, 1955.
116. Kamatani, A. and Riley, J.P. Mar. Biol. 55, 29, 1979.
117. Bailey-Watts, A.E. Freshwater Biol. 6, 203, 1976.
118. Stumm and Morgan, J.J. Aquatic Chemistry, Wiley-Inter-Science, New York, 1970.
119. Gentili, R. and Deuel, H. Helv. Chim. Acta. 40, 106, 1957.
120. Deuel, H., Dubach, P., Mehta, N.C. and Bach, R. Schweiz. Z. Hydrol. 22, 111, 1960.
- 121.\* Scheffer, F. and Kroll, W. Agrochimica. 4, 97, 1960.
122. Holzapfel, L. Kolloid-Z 115, 137, 1949.
123. Engel, W., Untersuchungen über die Kieselsäureverbindungen im Roggenhalm. Planta (Berl.) 41, 358, 1953.
124. Heinen, W. Arch. Mikrobiol. 52, 49, 1965.
125. Heinen, W. Arch. Biochem. Biophys. 120, 101, 1967.
126. Heinen, W. Arch. Mikrobiol. 37, 199, 1960.
127. Heinen, W. Arch. Mikrobiol. 41, 229, 1962.

128. Heinen, W. Arch. Mikrobiol. 52, 69, 1965.
129. Heinen, W., Biodegradation of Silicon-Oxygen-Carbon and Silicon Carbon bonds by bacteria, in Biochemistry of Silicon and Related Problems. G. Bendz and J. Lindquist (Eds.), Nobel Symposium Stockholm Plenum, New York and London, p.129, 1978.
130. Heinen, W. Arch. Biochem. Biophys. 110, 137, 1965.
131. Yoshida, S., Ohnishi, Y. and Kitagishi, K. Soil Sci. Plant Nutr. 8, 36, 1962.
132. Yoshida, S., Ohnishi, Y. and Kitagishi, K. Soil Sci. Plant Nutr. 8, 15, 1962.
133. Holzapfel, L. and Engel, W., Arch. Biochem. Biophys. 83, 268, 1959.
134. Lewin, J.C., J. Gen. Physiol. 39, 1, 1955.
135. Lewin, J.C., Canad. J. Microbiol., 3, 427, 1957.
136. Lewin, J.C., Cell Synchrony., 9, 169, 1966.
137. Tappan, H. and Loeblich, A.R., Earth Sci. Rev. 9, 207, 1973.
138. Heath., G.R., Society of Economic paleontologists special publication, 20, 77, 1974.
- 139.\* Andreev, P.I., Polkin, S.I., Shavlo, R.A., Karavaiko, G.I. and Morozova, R.D., Tsvetnaya Metallurgiya, 3, 8, 1975.
- 140.\* Andreev, P.I., Shavlo, R.A., Karavaiko, G.I., Polkin, S.I., Anishchenko, N.M. and Morozova, R.D., Ecology and Geochemical Activity of Microorganisms. M.V. Ivanov (Ed.). U.S.S.R. Academy of Sciences, Pushchino., p.126 (In Russian), 1976.

- ✓ 141.\* Andreev, P.I., Shavlo, R.A., Morozova, R.D., Tekhnika, Kiev. 18, 42 (In Russian) 1976.
- ✓ 142.\* Andreev, P.I., Shavlo, R.A., Anishchenko, N.M. and Semenchuk, K.L., Combined Methods in Complex Mineral Processing. S.I. Polkin and V.K. Zadorozhny (Eds.). Nauka, Moscow, 59 (In Russian), 1977.
- ✓ 143.\* Andreev, P.I., Licheva, L.V. and Segodina, V. Ya., Ysvetnaya Metallurgiya, 5, 7, 1979.
- ✓ 144.\* Aristovskaya, T.V., 6th Cong., Sc. Sol., Paris, Vol.C, Com.III, 43, 263, 1956.
145. Polkin, S.I., Adamov, E.V., Pamin, V.V., Karavaiko, G.I., Andreev, P.I. and Kazintseva, S.I., Rudy i metale nieze lazne (Poland), 5, 15, 1979.
- ✓ 146. Kresling, E.K. & Stern, E.A., Proc. Inst. Soci. Res. Food. Ind. 3, 5, 1935.
- ✓ 147. Demerec, M., YC Carnegic Inst. Washington, 44, 117, 1945.
- ✓ 148. Groudeva, V.L., <sup>W ↓</sup> Groudev, S.N., XVI International Mineral Processing Congress, Stockholm, Sweden, 1988.
- ✓ 149. Groudev, S.N. and Genchev, F.N. Bioleaching of bauxite by wild and laboratory - bred microbial strains, In : 4th Int. Congr. ICSOBA, Athenes, Greece, National Technical University of Athenes, Vol.I, p.271, 1978.
- ✓ 150. Tradewell, F.P. and Hall William, T., Analytical Chemistry Vol.II, Quantitative Analysis. Chapman & Hall Ltd. and John Wiley & Sons Inc. London, 9th Ed., 261, 1947.
- ✓ 151. Philips, J.N., Jr. Genetics, 46, 317, 1961.
- ✓ 152. Zamenhof, S. and Arikwn, S. Mutation Res., 9, 141, 1970.

- ✓ 153. Umbrait, Wayne, W., Advances in Applied Microbiology, Vol.4, Academic Press, New York, 33.
- ✓ 154. Patrick, S. and Holding, A.J., J. Appl. Bacteriol., 59, 7, 1985.
- ✓ 155. Lewin, I.C., Geochimica et Cosmochimica Acta, 21, 182, 1961.
- ✓ 156. Mishra, A.K. <sup>and</sup> Mohanty, B.K., Indian J. Microbiol, 29, 361, 1989.
- ✓ 157. Brock, T.D., Science, 158, 1012, 1967.
- ✓ 158. Snedecor, B. <sup>and</sup> Cooney, C.L., Appl. Microbiol., 27, 1112, 1974.
- ✓ 159. Alroy, Y. <sup>and</sup> Tannenbaum, S.R., Biotech. Bioeng., 15, 239, 1973.
- ✓ 160.\* Haggstorm, L., Ph.D. thesis, University of Lund, Sweden, 1975.
- ✓ 161. Tuovinen, O.H. <sup>and</sup> Kelly, D.P., Int. Metal. Res., 19, 21, 1974.
- ✓ 162. Silverman, M.P. <sup>and</sup> Ehrlich, H.L., Adv. Appl. Microbiol., 6, 153, 1964.
- ✓ 163. Nowakowska-Waszezuk, A., Maslinski, K., Acta Microbiol.(Pol.), 37, 151, 1988.
- ✓ 164. Mishra, A.K. and Mohanty, B.K., J. Gen. Appl. Microbiol., 34, 133, 1988.
- ✓ 165. Street, H.E., Henshaw, G.G., Symp. Soc. Exp. Biol., 17, 234, 1963.

- ✓ 166. Veliky, I.A., Genest, K., Lloydia,       , 35, 450, 1972. ?
- ✓ 167. Verma, D.P.S., Van Huystee, R.B., Exp. Cell. Res., 69, 402, 1971.
- ✓ 168. Wang, C.J. <sup>and</sup> Staba, E.J., J. Pharma. Sci. 52, 1058, 1963.
- ✓ 169. Torrey, J.G., Reinert, J. <sup>and</sup> Merkel, N., Am. J. Bot. 49, 420, 1962.
- ✓ 170. Staba, E.J. <sup>and</sup> Lamba, S.S., Lloydia,       , 26, 29, 1963. ?
- ✓ 171. Torrey, J.G. <sup>and</sup> Reinert, J., Plant Physiol., 36, 483, 1961.
- ✓ 172. Caplin, S.M., Am. J. Bot., 50, 91, 1963.
- ✓ 173. Monod, I., Ann. Inst. Pasteur, 79, 390, 1950.
- ✓ 174. Pirt, S.J., Principles of Microbe and Cell Cultivation. Blackwell Scientific Publishers, London, 1975.
- ✓ 175. Mishra, A.K., Roy Mahapatra, S.S. and Roy, P., Proc. Ind. Nat. Sci. Acad. B52, 519, 1986.
- ✓ 176. Torma, A.E. and Bosecker, K., Biotechnology and Bioengineering Symp. No. 16, 91, 1986.
- ✓ 177. Mehta, A.P., Torma, A.E. <sup>and</sup> Murr, L.E., Biotechnology and Bioengineering, 21, 875, 1979.
- ✓ 178. Microorganisms and Nitrogen Sources. Edited by J.W. Payne, John Wiley and Sons Ltd., 1980.
- ✓ 179. Weinberg, E.D., Adv. Microbiol. Physiol., 4, 1, 1970.
- ✓ 180. Bull, A.T. <sup>and</sup> Dalton, H. (Eds.), Comprehensive Biotechnology; Vol. I, Pergamon Press, p.11, 1985.

- ✓ 181. Vincent, W.C., Physiology of Fungi, John Wiley and Sons., Inc., London, NY, p.300, 1958.
- ✓ 182. Townsley, C.C., Ross, I.S., Exp. Mycol., 281, 1986.
- ✓ 183. Hockertz, S., Polezig, I., Auling, G., Appl. Microbiol. Biotechnol., 25, 590, 1987.
- ✓ 184. Babich, H., Shopsis, C. <sup>good</sup> Borenfreund, E., Bull. Environ. Contam. Toxicol. 37 550, 1986.
- ✓ 185. Agarwala, S.C., Nautiyal, N. <sup>good</sup> Chatterjee, C., Trans. Br. Mycol. Soc., 86, 461, 1986.
- ✓ 186. Tiwari, R.P., Mittal, V., Bhalla, T.C., Saini, S.S., Singh, G. <sup>good</sup> Vadehra, D.V., Folia Microbiol (Prague), 31, 124, 1986.
- ✓ 187.\* Sviderskii, V.A., Koval, E.Z., Sidorenko, L.P. <sup>and</sup> Kharkevich, E.S., Fiziol. Akt. Veshchestva (Russ.), 16, 95, 1984.
- ✓ 188. Punekar, N.S., Vaidyanathan, C.S. <sup>good</sup> Rao, N., Indian J. Biochemistry and Biophysics, 22, 142, 1985.
- ✓ 189. Suseela, K., Pravati, M.S., Nandy, S.C. <sup>and</sup> Naydamma, Y. (Ger.), 36, 133, 1985. 7?
- ✓ 190. Meixner, O., Mischak, H., Kubicek, C.P. <sup>good</sup> Roehr, M., FEMS Microbiol. Lett., 26, 271, 1985.
- ✓ 191. Ma. H., Kubicek, C.P. <sup>good</sup> Roehr. M., Arch. Microbiol., 141, 266, 1985.
- ✓ 192. Majumdar, S.K. <sup>good</sup> Bose, S.K., J. Bact., 79, 564, 1960.
- ✓ 193.\* Mushnikova, L.N. <sup>good</sup> Eglit, I.E., Khleboppek. Konditer, Prom-St. (Russ.), 3, 34, 1984.
- ✓ 194.\* Walisch, S., Kedziora, K. <sup>good</sup> Pruski, G., Przem. Spozyw. (Pol.) 37, 31, 1983.



- ✓ 195. Mohanty, B.K., Ghosh, S. and Mishra, A.K., Journal of Applied Bacteriology, 68, 55, 1990.
- ✓ 196. Ghosh, S., Mohanty, B.K., Mishra, A.K., Roy, P.K., Tran. Bose. Res. Inst., 53, 61, 1990.
- ✓ 197. Mohanty, B.K. and Mishra, A.K., Current Science, 65, 5, 1993.
- ✓ 198. Drew, M., and Demain, C., Effect of Primary Metabolites on Secondary Metabolism, Annu. Rev. Microbiol., 31, 343, 1977.
- ✓ 199. Thompson, R.C., Texas University, Publ. 4237 : 87, 1972.
- ✓ 200. Agbim, N.N. and Doxtader, K.G., Soil. Biol. Biochem. 7, 275, 1975.
- ✓ 201. Imai, K., Sugio, T., Yasuhara, T. and Tono, T., Proc. Joint Meeting Min.Met. Inst. Jap. and the Am. Inst. Min. Eng. (Tokyo), 8, 1972.
- ✓ 202.\* Fox, S.I., Ph.D. Thesis <sup>R</sup>rensse<sup>P</sup>laer polytechnique Institute, Trony, New York, 1971.
- ✓ 203. Gibbs, W.M., Bachelor, H.W. and Sickles, T.N., J. Bacteriol, 11, 393, 1926.
- ✓ 204. Pizarro, O.R., J. Bacteriol, 13, 387, 1927.
- ✓ 205. Alexonder, A.E. and Soltys, M.A., J. Path. Bacteriol. 58, 37, 1946.
- ✓ 206. Glassman, H.N. Bacterial Rev. 12, 105, 1948.
- ✓ 207.\* Von Ruesen, V.L., Trans. Kansa. Acad. Sci., 58, 337, 1946.
- ✓ 208. Aiba, S., Humphrey, A.E. and Millis, N.F. In : Biochem. Eng. (2nd ed.) p.189, 1973.

209. Silverman, M.P., Biological and Organic Chemical decomposition of silicates. In : Biogeochemical Cycling of Mineral Forming Elements P.A. Trudinger and D.J. Swaine (Eds.). Elsevier Scientific Publishing Company, Amsterdam - Oxford - New York, p.445, 1979.
210. Degens, E.T., Geochemistry of Sediments, Prentice-Hall, Englewood Cliffs, N.J., p.342, 1965.
211. Krauskopf, K.B., Introduction to Geochemistry. McGraw-Hill, New York, p.721, 1967.
212. Loughnan, F.C. Chemical Weathering of the silicate Minerals. Elsevier, New York, p.154, 1969.
- 213\* Muller, G. and Forster, I., Zentralbl Bakteriол., ParasitenKd., InfektionsKr. Hyg., II Abt., 116, 372, 1963.
214. Antipov-Karatayev, I.N., Tsyurupa, I.G., and Alferava, V., Kora Vyvetrivaniya Akd. Nauk. SSSR. Inst. Geol. Rudn. Mestorozhdenii. Petrogr. Mineral Geokhim. 7, 53, 1966.
- 215.\*Aristovskaya, T.V., Daragon, A. Yu., ZyKina, L.V. and Kutosova, R.S. Pochvovedeniye, 9, 95, 1969.
216. Arieta, L. and Grez, R., Appl. Microbiol., 22, 487, 1971.
217. Jackson, T.A., Pac., Sci., 25, 22, 1971.
218. Stevenson, F.J., Soil Biochemistry, A.D. McLaren and G.H. Peterson (Eds.), Vol.I, 119, 1967.
219. Krumbein, W.E., Z. Allg. Mikrobiol., 8, 107, 1968.
220. Krumbein, W.E., Rev. Ecol. Biol. Sol. 9, 283, 1972.
221. Mandl, I., Grauer, A., Neuberg, C. Biochim. Biophys. Acta., 8, 654, 1952.

222. Mandl, I., Grauer, A. and Neuberg, C., Biochim. Biophys. Acta., 10, 540, 1953.
223. Mandl, I., and Neuberg, C., Adv. Enzymol., 17, 135, 1956.
224. Neuberg, C., Salvesen, R.H. and Oster, G., Arch. Biochem. Biophys. 95, 533, 1961.
225. Duff, R.B. and Webley, D.M., Chem. Ind. p.1376, 1959.
226. Carlisle, E.N., Science, 178, 619, 1972.
227. Bernfeld, P., Adv. Enzy., 12, 379, 1951.
228. Levison, S. and Aronson, A.I., Regulation of extracellular protease production in Bacillus cereus, 93, 1023, 1967.
229. Michell, R.H., Morries, J. and Mantred, L.K., Biochem. J. 116, 207, 1970.
230. Beers, R.F.(Jr.) and Irwin, W.S., J. Biol. Chem., 195, 133, 1952.
231. Silverman, M.P. and Munoz, E.F., Science, 169, 985, 1971.
232. Duncan, D.W. and Drummond, A.D., Can. J. Earth Sci., 10, 476, 1973.
233. Berry, V.K. and Murr, L.E., Scanning Electron Microscopy, 1, 137, 1977.
234. Southwood, M.J. and Southwood, A.J., Fundamental and Applied Biohydrometallurgy, R.W. Lawrence, R.M.R. Branion and H.G. Ebner (Eds.), Elsevier Science Publishers S.V., Amsterdam. p.98, 1985.
235. Murr, L.E. and Berry, V.K., Hydromet., 2, 11, 1976.
236. Bennett, J.C. and Tributuch, H. J. Bacteriol. 134, 310, 1978.

- ✓ 237. Boyle, J.R., Voigt, G.K., Sawhney, B.L., Science, 155, 193, 1967.
- ✓ 238. Ma, T.S. and Zuazaga, G. Ind. Eng. Chem. (Anal. Edn.). 1942.
- ✓ 239. Conway, E.J. and Byrne, A. J. Biochem. 27, 419, 1933.

\* Not seen in original.