

LITERATURE

- Adams A. M. — Müller J. J., 1954: Effect of gaseous environments and temperature on ascospore formation in *Saccharomyces cerevisiae* Hansen. Can. J. Bot. 32: 320—334
- Adams J. — Parfitt E. H., 1939: Some factors influencing the amount of mold mycelia in butter. J. Dairy Sci. 22: 367—374
- Ainsworth G. C. — Sussman A. S., 1966: The Fungi, Vol. I & II Academic Press. New York and London 748—805
- Aji S. J. — Werkman C. H., 1948: Enzymic fixation of carbon dioxide in α — ketoglutaric acid. Proc. Natl. Acad. Sci. U. S. 34: 491—498
- Allen P. J., 1955: The role of a self inhibitor in the germination of rust uredospores. Phytopathology 45: 259—266
- Aristovskaya T. V., 1944: Carbon dioxide and the life of heterotrophic microorganisms. Advances in Modern Biology (USSR) 17: 57—70
- Aytoun R. S. C., 1953: The genus *Trichoderma*, its relationship with *Armillaria mellea* (Vahl ex Fr.) Quél. and *Polyporus schweinitzii* Fr. together with preliminary observations on its ecology in woodland soils. Trans. Proc. Bot. Soc. Edinb. 36: 99—114
- Balabanoff V. A. — Kasenow J. B., 1963: Production of macroconidia of *Trichophyton megnini* under the effect of CO₂. Mycopathol. & Mycol. Appl. 19: 283—286
- Bandurski R. S., 1955: Further studies on the enzymatic synthesis of oxalacetate from phosphoenolpyruvate and carbon dioxide. J. Biol. Chem. 217: 137—150
- Bannerje S. N. — Bakshi K. B., 1944: On the production of true pilei of *Polyporus brumalis* (Pers.) Fr. in artificial culture. Current Sci. 13: 102—104
- Barinova S. A., 1944: Formation of fumaric and succinic acids in cultures of *Rhizopus nigricans*. Mikrobiologiya 10: 716—729
- Barinova S. A., 1953a: Influence of carbon dioxide on mold growth. Mikrobiologiya 22: 391—392
- Barinova S. A., 1953b: Significance of carbon dioxide in the life processes of molds. I. Possibility of substituting organic acids for carbon dioxide. Mikrobiologiya 22: 497—505
- Barinova S. A., 1954: Effects of carbon dioxide on respiration in molds. Mikrobiologiya 23: 521—526
- Barinova S. A., 1958: Effects of carbon dioxide on reduction of methylene blue by molds. Mikrobiologiya 27: 3—6
- Barinova S. A., 1960: Growth stimulation of molds by carbon dioxide and effect of mesotartaric acid in this process. Mikrobiologiya 29: 125—126
- Barinova S. A., 1961: The importance of carbon dioxide to the vital activity of fungi. Izv. Akad. Nauk. SSSR, Ser. Biol. 561—572
- Barinova S. A., 1962: Carbon dioxide utilization and its role in the metabolism of mold fungi. Mikrobiologiya 31: 7—17
- Barinova S. A., 1964: Carbon dioxide production in *Aspergillus niger*. Mikrobiologiya 33: 404—407
- Bartnicki-Garcia S. — Nickerson W., 1961: Thiamin and nicotinic acid, anaerobic growth factors for *Mucor rouxii*. J. Bact. 82: 142—148
- Bartnicki-Garcia S. — Nickerson W., 1962a: Induction of yeast-like development in *Mucor* by carbon dioxide. J. Bact. 84: 829—840
- Bartnicki-Garcia S. — Nickerson W., 1962b: Nutrition, growth and morphogenesis in *Mucor rouxii*. J. Bact. 84: 841—858
- Bartnicki-Garcia S. — Nickerson W., 1962c: Assimilation of carbon dioxide and morphogenesis in *Mucor rouxii*. Biochim. & Biophys. Acta 64: 548—551
- Bavendamm W., 1928: Neue Untersuchungen über die Lebensbedingungen holzzerstörender Pilze. Ein Beitrag zur Frage der Krankheitsempfänglichkeit unserer Holzpflanzen. I. Mitteilung: Gasversuche. Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. 75: 426—452, 503—533
- Behr E. A., 1972: Development of respirometry as a method for evaluating wood preservatives. Forest Prod. J. 22: 26—31
- Bergman H. F., 1959: Oxygen deficiency as a cause of disease in plants. Botan. Rev. 25: 417—485
- Boutelje J. B. — Kiessling H., 1964: On water stored timber and its decay by fungi and bacteria. Arch. Mikrobiol 49: 305—314
- Brandt K. M., 1944: Effect of CO₂ and CO₂ fixation in baker's yeast. Nature 153: 343—344
- Braun H. J. — Luley J., 1970: Infektion unverletzter jüngerer Fichtenwurzeln durch den

- Wurzelschwamm *Fomes annosus* (Fr.) Cooke. II. Infektionswege und Ausbreitung des Pilzes kurz nach der Infektion. Forstw. Centralbl. 89: 269–275
- Brierly J. K., 1955: Seasonal fluctuations in the oxygen and carbon dioxide concentrations in beech litter with reference to the salt uptake of beech mycorrhizas. J. Ecol. 43: 404–408
- Brooks C., Bretley C. O. — Colloch L. P., 1939: Transit and storage diseases of fruit and vegetables as affected by initial CO₂ treatments. U. S. Dept. Agr. Tech. Bull. 519
- Brown W., 1922: On the germination and growth of fungi at various temperature and in various concentrations of oxygen and of carbon dioxide. Ann. Bot. 36: 257–283
- Bulit J. — Louvet J., 1960: A technique for the study of the action of carbon dioxide on fungi parasiting underground plant organs, Ann. Inst. Pasteur 98: 557–561
- Bullen J. J., 1949: The yeastlike form of *Cryptococcus farciminosus* (*Histoplasma farciminosum*). J. Pathol. Bact. 61: 117–120
- Burgeef H., 1909: Die Wurzelpilze der Orchideen, ihre Kultur und ihr Leben in der Pflanze. G. Fischer Verlag, Jena 220 pp.
- Burges A. — Penton E., 1953: Effect of carbon dioxide on the growth of certain fungi. Trans. Brit. Mycol. Soc. 36: 104–108
- Buston H. W., Moss M. O. — Tyrell D., 1966: The influence of carbon dioxide on growth and sporulation of *Chaetomium globosum*. Trans. Brit. Mycol. Soc. 49: 387–396
- Caldwell J., 1963: Effects of high partial pressures on fungi. Nature 197: 772–774
- Cantino E. C., 1956: The relation between cellular metabolism and morphogenesis in *Blastocladiella*. Mycologia 48: 225–240
- Cantino E. C. — Horenstein E. A., 1956: The stimulatory effect of light upon the growth and carbon dioxide fixation in *Blastocladiella*. Mycologie 48: 777–799
- Cartwright K. St. G. — Findlay W. P. K., 1946: Decay of timber and its prevention London
- Chin B., 1961: Changes in gross chemical compounds of *Trichophyton mentagrophytes* during inoculation in increased carbon dioxide tensions. Diss. Abstr. 22: 1793–1794
- Chin B. — Knight S. G., 1957: Growth of *Trichophyton mentagrophytes* and *Trichophyton rubrum* in increased carbon dioxide tensions. J. Gen. Microbiol. 16: 642–646
- Charles H. P. — Brodbent J. A., 1964: Carbon dioxide mutants in *Neurospora*, Nature 201: 1004–1006
- Chase W. W., 1934: The composition, quantity and physiological significance of gases in tree stems. Univ. Minn. Agr. Exp. Sta. Tech. Bull. 99: 1–51
- Cochrane V. W., 1958: Physiology of fungi. 524 pp. New York
- Damaschke K., 1968: Prüfung von Holzschutzmitteln auf die Pilzwidrigewirksamkeit über die Messung des Sauerstoffverbrauchs von Basidiomyceten. Material und Organismen 2: 147–158
- Damaschke K., 1969: Möglichkeiten zur Unterscheidung holzerstörender Pilze mittels Sauerstoffverbrauchsmessung und dabei auftretender Atmungsmaxima und Rhythmen. I. *Coniophora* — Arten. Angew. Bot. 43: 291–307
- Damaschke K. — Becker G., 1966: Rhythmen des Sauerstoffverbrauchs von *Basidiomyceten*. Mater. Org. 1: 275–290
- Dovrtěl J., 1975: Kysličník uhličitý jako ekologický faktor růstu dřevokazných hub. Rig. práce, Katedra biologie rostlin UJEP Brno
- Dovrtěl J. — Scháněl L., 1974: Changes in the content of carbon dioxide during wood decay by fungi. Scripta Fac. Sci. Nat. UJEP Brunensis, Biologia 3, 4: 115–120
- Duncan C. G., 1961: Relative aeration requirements by soft rot and basidiomycete wood — destroying fungi. For. Prod. Lab. Rep. Nr. 2218
- Emerson R. — Cantino E. C., 1948: The isolation, growth and metabolism of *Blastocladia* in pure culture. Amer. Jour. Bot. 35: 157–171
- Fletcher J. — Morton A. G., 1970: Physiology of the germination of *Penicillium griseofulvum* conidia. Trans. Brit. Mycol. Soc. 54: 65–81
- Foster J. W., Carson S. F., Ruben S. — Kamen M. D., 1941: Radioactive carbon as an indicator of carbon dioxide fixation VII. The assimilation of carbon dioxide by molds. Proc. Nat. Acad. Sci. 27: 590–596
- Frankel C., 1889: Die Einwirkung der Kohlensäure auf die Lebenstätigkeit der Mikroorganismen. Ztschr. Hyg. 5: 332–362
- Fries N., 1943: Untersuchungen über die Sporenkeimung und Mycelentwicklung bodenbewohnender *Hymenomyceten*. Symbolae Botanicae Uppsaliensis 6: 1–81

- Fries N., 1966: Chemical factors in the germination of spores *Basidiomycetes*. The fungus spore, ed. by M. F. Madelin 189–199, London
- Fuller W. H., 1967: A method for determining the cumulative germination of spores over a period of time. *Can. J. Bot.* 45: 1775–1776
- Geurten L., 1950: Untersuchungen über den Gaswechsel von Baumrinden. *Forstwiss. Centralblatt* 69: 704–743
- Gillespie T. Huhne M. A., 1970: Kinetics of growth of filamentous fungi with particular reference to wood decay. *Nature*. 225: 102–103
- Good H. M., Basham J. T. — Kadzielava S. M., 1968: Respiratory activity of fungal associations in zones of heart rot and stain of sugar maple. *Can. J. Bot.* 50: 614–615
- Good H. M. — Nelson C. D., 1951: A histological study of sugar maple decayed by *Polyporus glomeratus* Peck. *Can. J. Bot.* 29: 215–243
- Gundersen K., 1961: Growth of *Fomes annosus* under reduced oxygen pressure and the effect of carbon dioxide. *Nature* 190: 649
- Hafiz A., 1963: Studies on basidiospore germination in *Schizophyllum commune*. *Am. J. Bot.* 50: 614–615
- Harris J. O., 1953: The effect of CO₂ on oxygen uptake by "resting" bacteria. *Abstr. in Bact. Proc.* 90
- Halabisky D. D. and G. Ifju, 1968: Use of respirometry for fast and accurate evaluation of wood preservatives. *Proc. Am. Wood Preserv. Assoc.* 64: 215–223
- Hertz C. H. — Siesjö B. K., 1959: A rapid sensitive electrode for continuous measurement of pCO₂ in liquids and tissue. *Acta Physiol, Scand.* 47: 115–123
- Heplar J. O. — Tatum E. L., 1954: Some factors affecting carbon dioxide metabolism in *Neurospora crassa*. *J. Biol. Chem.* 208: 489–494
- Hes J. W., 1938: Function of carbon dioxide in the metabolism of heterotrophic cells. *Nature* 141: 247
- Hintikka V., 1970: Stimulation of spore germination of wood — decomposing *Hymenomycetes* by carbon dioxide. *Karstenia* 11: 23–27
- Hintikka V. — Korhonen K., 1970: Effects of carbon dioxide on the growth of lignicolous and soil-inhabiting *Hymenomycetes*. *Comm. Inst. Forest. Fenniae* 69: 29 pp.
- Hofman H., 1930: Influence of carbon dioxide on fermentation by yeast. *Wochenschr. Bräu* 47: 228–230
- Hollis J. P., 1948: Oxygen and carbon dioxide relations of *Fusarium oxysporum* Schlecht and *Fusarium cumartii* Carp. *Phytopathology* 38: 761–775
- Husain S. M. — Naqui S. H. Z., 1959: Effect of gases on the germination of *Alternaria tenuissima*. *Scientist* 3: 39–42
- Hubert E., 1931: An outline of forest pathology. 543 pp. New York
- Jennison M. W., Newcombe M. D. — Henderson R., 1955: Physiology of the wood-rotting *Basidiomycetes* I. Growth and nutrition in submerged culture in synthetic media. *Mycologia* 47: 275–304
- Jensen K. F., 1967: Oxygen and carbon dioxide affect the growth of wood-decaying fungi. *Forest Science* 13: 384–389
- Jensen K. F., 1969: Oxygen and carbon dioxide concentrations in sound and decaying red oak trees. *Forest Science* 15: 246–251
- Klingström A., 1965: CO₂ production as a measure of decay activity in wood blocks. *Studia forestalia Suecica* No. 26 20 pp.
- Klotz L. J., Stolzey L. H. — de Wolf A. T., 1963: Oxygen requirement of three wood — rotting fungi in a liquid medium. *Phytopathology* 53: 302–305
- Klotz L. J., Stolzey L. H., de Wolf T. A. — Szchskiewicz T. E., 1964: Rate of oxygen supply and distribution of wood-rotting fungi in soils. *Soil Sci.* 99: 200–204
- Kozlík I., 1973: Změny ve složení atmosféry ve dřevu, rozkládaném dřevokaznými houbami. *Rig. práce*. The changes in the composition of atmosphere in the wood decayed by wood-decaying fungi. pp. 112, Brno
- Kozlík I. — Scháněl L., 1974: Changes in the atmosphere during wood decay by fungi. *Drevársky výskum* 19: 113–124
- Kozlík I. — Scháněl L., 1974: Changes in the atmosphere during wood decay by fungi under conditions of stopped gas diffusion. *Drevársky výskum* 19: 169–179
- Lambert E. B., 1933: Effect of excess carbon dioxide on growing mushrooms. *J. Agr. Res.* 47: 599–608
- Lambert E. B. — Davis A. C., 1934: Distribution of oxygen and carbon dioxide in mushroom compost heaps as affecting microbial thermogenesis, acidity and moisture therein. *J. Agr. Res.* 48: 587–601

- Lewis K. F. — Weinhaus S., 1951: Assimilation of carbon dioxide in oxalate and citrate by *Aspergillus niger*. J. Am. Chem. Soc. 73: 2906—2909
- Lieberman S., 1956: Carbon dioxide assimilation into organic acids by *Penicillium chrysogenum*. Diss. Abstr. 16: 646
- Lilly W. G. Barnett H. L., 1951: Physiology of the fungi. Mc Graw — Hill Book Co. New York 464 pp.
- Lindner G., 1917: Über die Gasbewegung in dikotylen Holzgewächsen und die chemische Zusammensetzung der durchgesogenen Luft in ihrer Abhängigkeit von physikalischen und physiologischen Faktoren. Beiträge zur Biol. d. Pflanzen 13: 1—95
- Littlefield N. A., Vankier B. A., Salunkhe D. K. — McGill J. N., 1966: Fungistatic effects in controlled atmospheres. Appl. Microbiol. 14: 579—581
- Lones C. W. — Peacock C. L., 1960: Role of carbon dioxide in the dimorphism of *Coccidioides immitis*. Jour. Bact. 79: 308—309
- Long T. J., 1962: The effects of chloramphenicol and 8 — azaquanine on normal sporocarp development in the mushroom *Collybia velutipes*. Am. J. Bot. 49: 655
- Long P. E. — Jacobs L., 1968: Some observations on CO₂ and sporophore initiation in the cultivated mushroom. Mushroom Sci. 7: 373—384
- Löhr E., 1957: RQ und Q₁₀ in Stämmen von Buchen. Physiol. Plant. 10: 340—345
- Lopriore G., 1895: Über die Einwirkung der Kohlensäure auf das Protoplasma der lebenden Pflanzenzelle. Jahrb. Wiss. Bot. 28: 531—626
- Lösel D. M., 1964: The stimulation of spore germination in *Agaricus bisporus* by living mycelium. Ann. Bot. N. S. 28: 541—554
- Louvet J. — Bulit J., 1963: The role played by carbon dioxide in the ecology of *Sclerotinia minor* and *Fusarium oxysporum* f. *melonis*. Ann. Inst. Pasteur 105: 242—256
- Lundegårdh H., 1923: Die Bedeutung des Kohlensäuregehaltes und Wasserstoffkonzentration des Bodens für Entstehung der Fusariosen. Botan. Notiser 1: 25—52
- Lutz M. L., 1939: Sur la sécrétion par es champignons Hyménomycètes des ferments présidant à la fermentation alcoolique. Bull. Soc. Chem. Biol. 21: 474—477
- Lynch V. H. — Calvin M., 1952: Carbon dioxide fixation by microorganisms. J. Bact. 63: 525—531
- MacDougal D. T. — Working E. B., 1953: The pneumatic system of plants, especially trees. Carnegie Inst. Wash. Publ. No. 441
- Mader E. O., 1943: Some factors inhibiting the fructification and production of the cultivated mushroom *Agaricus campestris* L. Phytopathology 33: 1133—1145
- Manion P. O. — French D. W., 1969: The role of glucose in stimulating germination of *Fomes igniarius* var. *populinus* basidiospore. Phytopathology 59: 293—296
- Manion P. O. — French D. W., 1968: Inoculation of living aspen with basidiospores of *Fomes igniarius* var. *populinus*. Phytopathology 58: 1302—1304
- Mazur F. F., 1961: Vliyanie razlithnich faktorov na resultaty bioispiranij antiseptirovanij drevesiny Tr. Inst. Lesochoz. Probl. i Chem. Drevesiny An Litv. SSR 23: 123—136
- McCallan S. E. A. — Miller L. P., 1957: Effect of fungicides on oxygen consumption and variability of mycelial pellets. Contrib. Boyce Thompson Inst. 18: 483—495
- Miller D. D. — Golding N. S., 1949: The gas requirements of molds: V. The minimum of oxygen requirements for normal growth and for germination of six mold cultures. Jour. Dairy. Sci. 32: 101—110
- Moore E. J., 1937: Carbon and oxygen requirements of the cotton root-rot organism *Phymatotrichum omnivorum* in culture. Phytopathology 27: 918—930
- Moran T. E., Smith E. C. — Tomkins R. G., 1932: The inhibition of mold growth on meat by carbon dioxide. J. Soc. Chem. Ind. 51: 114—116
- Newcombe M., 1960: Some effects of water and anaerobic conditions on *Fusarium oxysporum* f. *cubense* in soil. Trans. Brit. Mycol. Soc. 43: 51—59
- Niederpruem D. J., 1963: Role of carbon dioxide in the control of fruiting of *Schizophyllum commune*. J. Bact. 85: 1300—1308
- Novikov M. A. — Solov'ev V. A., 1973: Diurnal changes of the composition of the gas mixture in the wood of spruce trees infected with some decomposing fungi. Vest. Ak. Nauk BSSR Ser. Biol. 5: 52—55
- Ochoa S., 1945: Isocitric dehydrogenase and carbon dioxide fixation. J. Biol. Chem. 159: 243—244
- Pagel H. J. — Schwarz W., 1958: Sauerstoffmessung bei konstanten Sauerstoffdruck durch eine automatisch gesteuerte Elektrolyse. In F. Todt: Elektrochemische Sauerstoffmessungen-Berlin — der Gruyter Verlag 187—206

- Papavizas G. C. — Davey C. B., 1962: Activity of *Rhizoctonia solani* in soil affected by carbon dioxide. *Phytopathology* 52: 759–765
- Pardee A. B., 1949: Measurement of oxygen uptake under controlled pressure of carbon dioxide. *J. Biol. Chem.* 179: 1085–1091
- Peterson A., Schlegel V., Hummel B., Cuendet L. S., Gedders W. F. — Christensen C. M., 1956: Grain-storage studies. XXII. Influence of oxygen and carbon dioxide concentration on mold growth and grain deterioration. *Cereal Chem.* 33: 53–66
- Platz G. A., Durell L. W. — Howe M. E., 1927: Effect of carbon dioxide upon the germination of the chlamydospores of *Ustilago zeae* (Beckm.). *Ung. Your. Agr. Res.* 34: 137–147
- Plunkett B. E., 1954: The aeration complex of factors and fruit body formation in pure cultures of *Hymenomyces*. VIII. Congr. Int. Bot. Paris, Rapp. & Comm. Sect. 18–20: 101–102
- Plunkett B. E., 1956: The influence of factors of the aeration complex and light upon fruit body form in pure cultures of an agaric and polypore. *Ann. Bot. N. S.* 20: 563–586
- Pontovich V. E., 1951: Utilization of CO₂ in synthetic processes of heterotrophic organisms. *Izv. Akad. Nauk. SSSR, Biol. Ser. No. 5*: 120–135
- Rast D., 1961: Atmungsmechanismen des Kulturchampignons (*Agaricus campester* L.). *Ber. Schweiz. Bot. Ges.* 71: 209–301
- Rast D. — Bachofen R., 1965: CO₂ Fixierung in *Agaricus bisporus*. *Verh. Schweiz. Naturforsch. Gesel.* 125–129
- Reinbothe H. Tschierch B., 1962: Harnstoff-Metabolismus bei Basidiomyceten. I. Zur Harnstoffbildung in *Agaricus bisporus* Lange und *Lycoperdon perlatum* Pers. *Flora* 152: 423–446
- Rippel A. — Bortels H., 1927: Vorläufige Versuche über die Allgemeine Bedeutung der Kohlensäure für die Pflanzenzelle (Versuche an *Aspergillus niger*). *Biochem. Z.* 184: 237–244
- Rippel A. — Heilmann F., 1930: Quantitative Untersuchungen über die Wirkung von Kohlensäure auf Heterotrophen. *Arch. Mikrobiol.* 1: 119–126
- Risbeth J., 1959: Dispersal of *Fomes annosus* Fr. and *Peniophora gigantea* (Fr.) Masee. *Trans. Brit. Mycol. Soc.* 42: 243–260
- Roberts E. H. — Abdalla F. H., 1968: The influence of temperature, moisture and oxygen on period of seed viability in barley, broad beans and peas. *Ann. Bot.* 32: 97–117
- Rockwell G. E. — Highberger J. H., 1927: The necessity of carbon dioxide for the growth of bacteria, yeasts and molds. *J. Inf. Dis.* 40: 438–446
- Roux P., 1962: Métabolisme des acides organiques dans les carpophores d' *Agaricus campestre*. *Mushroom Sci.* V. 525–539
- Rypáček V., 1966: Biologie holzzerstörender Pilze. VEB Gustav Fischer Verlag, Jena
- Rypáček V., 1969: Růst hub a jeho podmínky. The growth of fungi and its conditions. *Přírodní vědy ve škole* 19: 385–398
- Sereni D. R., 1931: Stimulating action of carbon dioxide on the germination of the spores of *Deuterophoma tracheiphyla*. *Bull. R. Staz. Pato. Veg. N. S.* 11: 143–151
- Severinghaus J. W. — Bradely A. F., 1958: Electrodes for blood pO₂ and pCO₂ determination. *J. Appl. Physiol.* 13: 515–520
- Scháněl L., 1966: Formation of red pigment during wood decay by white rot fungi. *Experientia* 22: 517–518
- Scháněl L., 1970: Effect of carbon dioxide on the growth of wood-decaying fungi. *Folia Sci. Nat. Univ. Purkynianae Brunensis* XI: 67–75
- Scháněl L., 1974: Activity of extracellular enzymes of wood decaying fungi under the semiaerobic conditions. *Česká mykologie* 28: 113
- Scháněl L., 1975: Vliv vnějších podmínek na rozklad dřeva houbami. The effect of external conditions on the wood decay by fungi. *Drevársky výskum* 20: 59–80
- Scháněl L., Jablonský I. — Kozlík I., 1974: Vliv kyslíčnicku uhličitého na tvorbu plodnic houby *Pleurotus ostreatus* (Jacqu) Fr. *Pěstování žampionů* 11: 93–94
- Scheffer T. C., 1936: Relation of temperature and time to carbon dioxide production and growth in continuously aerated malt-agar cultures of *Palystictus versicolor*. *Plant. Physiol.* 2: 535–564
- Scheffer T. — Livingston B. E., 1937: Relation of oxygen pressure to growth and carbon dioxide production in the fungus *Polyporus versicolor*. *Am. J. Bot.* 24: 109–119
- Schlegel N. G., 1963: Carbon dioxide in the metabolism of microorganisms. *Zentralbl. Bakt.* 191: 177–179

- Schormüller J., 1964: CO₂ fixation by *Penicillium camemberti* var. *candium*. *Nahrung* 8: 1-11
- Siepmann R. — Johnson T. W. Jr., 1960: Isolation and culture of fungi from wood submerged in saline and fresh waters. *J. Elis. Mitchell Sci. Soc.* 76: 150-154
- Smith D. N., 1960: The permeability of wood. *Proc. Fifth World Forestry Congress* 3: 1546-1548
- Smith R. S., 1969: Wood preservative toxicity evaluation using wood weight loss and fungal respiration methods. *Wood. Sci.* 2: 44-53
- Smith R. S., 1973: Continuous automatic measurement of rhythms in fungal respiration using a gas chromatograph. *Can. J. Bot.* 51: 701-710
- Snider P. J., 1959: Stages of development in rhizomorphic thallii of *Armillaria mellea*. *Mycologia* 51: 693-707
- Solomon A. K., Venesland B., Klemperer F. W., Buchanan J. M. — Hastings A. B., 1941: The participation of carbon dioxide in the carbohydrate cycle. *J. Biol. Chem.* 140: 171-182
- Solovev V. A., 1966: Biologicheskoe razlozhenie drevesiny kak samoreguliruemii process. *Mater. iz nauchno-technol. konf. vyp. VI. LTA Leningrad*
- Solovev V. A., 1967: Usloviya poyavleniya i razvitiya yadrovoy gnili osiny. *Fitopatologiya i Zashchita rastenij*, Spec. No. 540, Leningrad
- Solovev V. A. — Gaskova M. Ya., 1972: Vliyanie dvoukisi ugleroda na dychanie nekotorykh derevorazrushayushchikh gribov. *Zashchita lesa*, No. 144: 114-116
- Stamm A. J., 1946: Passage of liquids, vapors and dissolved materials through softwoods. *U. S. Dept. Agr. Tech. Bull.* 929: 1-80, Washington D. C.
- Staples R. C. — Weinstein L. H., 1959: Dark carbon dioxide fixation by uredospores of rust fungi. *Contrib. Boyce Thompson Inst.* 20: 71-82, 1959
- de Stevens G., Baum R. M. — Nord FF., 1951: On the mechanism of enzyme action. XLV. The role of certain dicarboxylic acids in the formation of oxalic acid by wood destroying molds. *Arch. Bioch.* 33: 304
- Stoller B. B., 1952: Abnormal growth and fructification of the cultivated mushroom. *Science* 116: 320-322
- Tabak H. H. — Cooke W. M. B., 1968: The effects of gaseous environments on the growth and metabolism of fungi. *The Botanical Review* 34: 126-252
- Tachibana S., 1968: On the mechanism of L-malic acid fermentation using *Schizophyllum commune* Fries. *Mushroom Sci.* VII: 273-280
- Thacker D. G., 1951: Investigations of heart rots of sugar maple. M. A. Thesis, Queens University
- Thacker D. G. — Good H. M., 1952: The composition of air in trunks of sugar maple in relation to decay. *Can. J. Bot.* 30: 475-485
- Thornton E. C., 1934: Carbon dioxide storage. VI. Lowering the acidity of fungal hyphae by treatment with carbon dioxide. *Contrib. Boyce Thompson Inst.* 6: 395-402
- Tschierpe H. J. — Sinden J. W., 1964: Weitere Untersuchungen über die Bedeutung von Kohlendioxyd für Fruktifikation des Kulturchampignons, *Agaricus campestris* var. *bisporus* (L.) Lge. *Arch. Mikrobiol.* 49: 405-425
- Utter M. F. — Wood H. G., 1951: Mechanisms of fixation of carbon dioxide by heterotrophs and autotrophs. *Adv. Enzymol.* 12: 41-151
- Vakil J. R., Rao Raghavendra M. R. — Bhattacharyya P. K., 1961: Effect of CO₂ on the germination of conidiospores of *Aspergillus niger*. *Arch. Mikrobiol.* 39: 53-57
- Vermousek I. — Scháněl L., 1973: White rot fungus *Pleurotus ostreatus* as a new source of peroxidase and glucoseoxidase. in Ninth Int. Congress of Biochem. 2d 41 p. 68 Stockholm
- Werkman C. H. — Wood H. C., 1942: Heterotrophic assimilation of carbon dioxide. *Adv. in Enzymol.* 2: 135-182
- Wood H. G. — Stjernholm R. L., 1962: Assimilation of carbon dioxide by heterotrophic organisms. *The Bacteria*, ed. by I. C. Gunserus & R. Y. Stanier, Vol III.: 41-117
- Wood H. G. — Utter M. F., 1965: The role of carbon dioxide fixation in metabolism. *Essays in Biochem.* 1: 1-27
- Wood H. G., Werkman C. H., Hemingway A. — Nier A. O., 1941: Mechanism of fixation of carbon dioxide in the Krebs cycle. *J. Biol. Chem.* 139: 483-484
- Zycha H., 1937: Über das Wachstum zweier holzerstörender Pilze und ihr Verhältnis zur Kohlensäure. *Zentralbl. f. Bakt., Parasitenkd. und Infektionskrankheiten* 97: 222-244