

บรรณานุกรม

ข้อมูลเกี่ยวกับโรงงานอุตสาหกรรม ริมฝั่งแม่น้ำปราณบุรี อ. ปราณบุรี จ. ประจวบคีรีขันธ์,
2519. กองควบคุมสิ่งแวดล้อมโรงงาน, กรมโรงงานอุตสาหกรรม,
กระทรวงอุตสาหกรรม.

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BIBLIOGRAPHY

- Almazan, O., and Saez, A. 1972. Cuba Azucar, 2-6; through Chemical Abstract, 80, 69095d (1974).
- A.O.A.C., 1975. Official Methods of Analysis of Analytical Chemists. 12th ed. Washington, D.C.
- Baltes, W. 1971. Zeitschrift fur Lebensmitteluntersuchung und Forschung, 145 (3), 149-55; Food Science and Technology Abstract, 3, 9T 475 (1971).
- Barnes, C.S. 1976. The Future of Fermentation Technology. Food Technology in Australia, 28 : 55-56.
- Barta, J. 1971. Prum. Potravin, 22 (11), 321-325; through Chemical Abstract, 76, 97928w (1972).
- Borukaero, M.R. 1967. Microbiologiya, 36 (4), 576-579; through Chemical Abstract, 67, 8852y (1967).
- Brock, T.D., and Brock, K. 1973. Basis Principle of Microbiology. New York: John Wiley and Sons.
- Brown, D.E., and Fitzpatrick, S.W. 1976. Food from Waste Paper. In G.G. Birch, R.J. Parker and J.T. Worgan (eds.), Food from Waste. London: Applied Science Publishers.

- Bunker, H.J. 1968. Source of Single-Cell Protein : Perspective and Prospect. In R.I. Mateles and S.R. Tannenbaum (eds.), Single-Cell Protein. Cambridge, Massachusetts: The MIT Press.
- Bunker, H.J. 1963. Microbial Food. In C. Rainbow and A.H. Rose (eds.), Biochemistry of Industrial Microorganism. New York and London: Academic Press, Inc.
- Burrows, S. 1970. Baker's Yeast In A.H. Rose and J.S. Harrison (eds.), The Yeasts, 3 : 349-413. London and New York: Academic Press.
- Collins, J.L. 1960. The Pineapple. New York: Interscience Publisher, Inc.
- Dabbah, R. 1970. Protein from Microorganisms. Food Technology, 24 : 659-663.
- Difco Manual. 1953. Manual of Dehydrated Culture Media and Reagents. 9th ed. Detroit and Michigan: Difco Lab., Inc.
- Dunlap, C.E. 1972. Ferments Cellulose to Produce Protein. Food Engineering, 42 : 114-116.
- Enebo, L. 1968. Single-Cell Protein. In A.E. Bender, R. Kihlberg, B. Loqvist and L. Munck (eds.), Evaluation of Novel Protein Products, 14 : 93-103. New York: Pergamon Press.

- Eugenia, K., and Irena, Z. 1968. Przem. Ferment. Rolny, 12, 14 : 18-20; through Chemical Abstract, 69, 66134c (1968).
- Fernande, A. 1968. Mycopathol. Mycol. Appl. 36(1), 81-93; through Chemical Abstract, 70, 94193k (1969).
- Finn, R.K. 1954. Agitation - Aeration in the Laboratory and in Industry. Bacterial Reviews, 18 : 254-274.
- Flannery, R.J. 1975. Symposium - World Food Supply : Non Agricultural Sources of Food. Food Technology, 29 : 64-66.
- Foda, M.S. Salem, S.A., Hegazi, S.M., and Bodr, E.S.M. 1973. Biochemical Studied for Utilization of Corn Steep Liquor in Production of Proteins. Journal of the Science of Food and Agriculture, 24 : 17-22.
- Frazekas, A.C., and Sebok, J. 1959. Acta Biol-Acad. Sci. Hung, 10, 141-150; through Chemical Abstract, 54, 13535g (1960).
- Frey, G.N., Kirby, G.W., and Schultz, A. 1936. Yeast : Physiology, Manufacture, and Uses. Industrial and Engineering Chemistry, 28 : 879-884.
- Galoppini, A.A. 1974. Convert Waste into 50% Protein Torula. Food Processing, 35 (7), 58-59.

- Ghose, T.K. 1969. Food of the Future. Process Biochemistry, 4 : 43-50.
- Goucko, H., and Bujak, S. 1973. Prace Instytutowi Laboratoriow Badawczych Przemyslu Spozywezego, 23, 1, 133-147; through Food Science and Technology Abstract, 6, 6H 887 (1974).
- Harris, E.E., Hannan, M.L., Marquardt, R.R., and Bubl, J.L. 1949. Fermentation of Wood Hydrolyzates by Torula utilis. Industrial and Engineering Chemistry, 40 : 1216-1220.
- Harris, E.E., Saeman, J.F., Marquardt, R.R. Hunnan, M.L., and Rogers, S.C. 1949b. Fodder Yeasts from Wood Hydrolyzates and Still Residues. Industrial and Engineering Chemistry, 40 : 1220-1222.
- Harris, E.E., Hannan, M.L., and Marquardt, R.R. 1948c. Production of Food Yeast from Wood Hydrolyzates : Nutrient Requirements. Industrial and Engineering Chemistry, 40 : 2068-2071.
- Haukeli, A.D., and Lie, S. 1971. Experimental Conditions Affecting Yeast Growth. Journal of the Institute of Brewing, 77 : 253-258.
- Ihl, M., and Tagle, M.A. 1974. Estimation of Protein in Yeast. Journal of the Science of Food and Agriculture, 25 : 461-464.

- Inskeep, G.C., Wiley, A.J., Holderby, J.M., and Hushes, L.P.
1951. Food Yeast from Sulfite Liquor. Industrial and Engineering Chemistry, 43 : 1702-1711.
- Jarl, K. 1969. Symba Yeast Process. Food Technology, 23 :
1009-1012.
- Katsuguki, S., Ichizo, S., and Fugio, G. 1967. Dempen Kogyo Gakkaishi, 14, 4, 120-127 : through Chemical Abstract, 69, 99207g (1968).
- Kihlberg, R. 1972. The Microbe as a Source of Food. In C.E. Clifton, S. Raffel, and M.P. Starr (eds.), Annual Reviews of Microbiology, 26 : 429-443. Palo Alto, Calif: Annual Reviews, Inc.
- Kung-Chin, S., Ming-Chang, H., and Chao-Hang, L. 1968. Amino Acid Composition of Various Yeasts Produce from Cane Molasses. Proc. Int. Soc. Sugar Cane Technology, 13 : 1934-1942.
- Kurth, E.F. 1946. Yeasts from Wood Sugar Stillage. Industrial and Engineering Chemistry, 38 : 204-207.
- Lefrancois, L., and Revuz, B, 1973. Conditions in a fermenter necessary for obtaining optimal assimilations. Biotechnol. Bioeng. Sym., 4 : 559-640.

- Leopold, H., and Fencel, Z. 1959. Ger, 1, 063, 557; through Chemical Abstract, 54, 9782d (1960).
- Lipinsky, E.S. and Litchfield, J.H. 1974. Single-Cell Protein in Perspective. Food Technology, 28 : 16-28.
- Liu, P.W., Mao, S.S., Chen, S.H., and Cheng, H.S. 1957. Bull. Assoc. Agr. Chem., Natl. Taiwan Univ. (Taiwan), 6, 16-24; through Chemical Abstract, 52, 4291 f (1958).
- Matckenko, A.L., and Krishtul, F.B. 1959. U.S.S.R., 124, 906, Dec 29; through Chemical Abstract, 54, 11372c (1960).
- Mateles, R.I., and Tannenbaum, S.R. 1968. Single-Cell Protein. Cambridge, Massachusetts : The MIT Press.
- Morozora, S.F., and Vyrodora, L.P. 1974. Gidroliz. Lesokhim. Prom. St. 6, 13-14; through Chemical Abstract, 82, 15227w (1975).
- Morris, E.O. 1958. Yeast Growth. In A.H. Cook (ed.), The Chemistry and Biology of Yeasts. New York: Academic Press, Inc.
- Mrak, E.M., and Phaff, H.J. 1960. Food and Feed Yeasts. McGraw-Hill Encyclopedia of Science and Technology, 14 : 600-604. New York: McGraw-Hill Book Company, Inc.

- Nickerson, W.J., and Rose, A.H. 1956. Yeasts. In R.E. Kirk and D.F. Othmer (eds.), Kirk - Othmer Encyclopedia of Chemical Technology, 22 : 507-547. New York: Interscience Publishers, Inc.
- Nolte, A.J., Von Losescke, H.W., and Pulley, G.N. 1942. Feed Yeast and Industrial Alcohol from Citrus-Waste Juice. Industrial and Engineering Chemistry, 34 : 670-673.
- Oliverira, S. 1974. Industries Alimentaries et Agricoles, 11(12), 1517-1522; through Food Science and Technology Abstract, 7, 7g 404 (1975).
- Olson, B.H., and Johnson, M.J. 1949. Factors Producing High Yeast Yields in Synthetic Media. Journal of Bacteriology, 57, 235-246.
- Oostan, B.J. 1976. Protein from Potato Starch Mill Effluent. In G.G. Birch, R.J. Parker and J.T. Worgan (eds.), Food from Waste. London: Applied Science Publishers.
- Pearson, D. 1970. The Chemical Analysis of Foods. 6th ed. New York: Chemical Publishing Company, Inc.
- Pelsis, D. 1964. Cellulose-Paper Combine, Sloka, Lativa. Gidrolizn. i. Lesokhim. Prom. 17 (4), 14-15; through Chemical Abstract, 61, 7661h (1964).

- Peppler, H.J. 1965. Food Yeast Protein : Amino Acid Composition of Yeast Grown on Different Spent Sulfite Liquor. Journal of the Agricultural and Food Chemistry, 13 : 34-36.
- Peppler, H.J. 1968. Industrial Production of Single-Cell Protein from Carbohydrates. In R.I. Mateles and S.R. Tannenbaum (ed.), Single-Cell Protein. Cambridge, Massachusetts: The MIT Press.
- Peppler, H.J. 1970. Food Yeasts In A.H. Rose and J.S. Harrison (eds.), The Yeasts, 3 : 421-446. London and New York: Academic Press.
- Peterson, W.H., Snell, J.F. and Frazier, W.C. 1945. Fodder Yeast from Wood Sugar. Industrial and Engineering Chemistry, 37 : 30-35.
- Porges, N., Pepinsky, B.J., Handler, C.N., and Hoover, R.S. 1950. Biochemical Oxidation of Dairy Wastes. I. Method of Study. Sewage and Industrial Wastes, 22 : 318-324.
- Prescott, S.C., and Dunn, C.G. 1959. Industrial Microbiology. 3rd ed. New York: McGraw-Hill Book Company, Inc.
- Pyke, M. 1958. The Technology of Yeast. In A.H. Cook (ed.), The Chemistry and Biology of Yeasts. New York: Academic Press, Inc.

- Rattakul, B. 1976. "Single Cell Protein Production from Cassava Starch by Yeast." Unpublished Doctor's Thesis, Department of Microbiology, Brigham Young University, Utah.
- Reed, G., and Pepler, H.J. 1973. Yeast Technology. Westport, Connecticut: The Avi Publishing Company, Inc.
- Reiser, C.O. 1954. Food Yeast : Torula Yeast from Potato Starch Wastes. Journal of the Agricultural and Food Chemistry, 2 : 70-74.
- Resnis, O. 1968. Ispol'z Khim. Biokhim. Sred stv Zhiro tnovod, 103-106; through Chemical Abstract, 70, 123676k (1971).
- Reyes, E., and Casas, C. 1961. Rev. Latino am. Microbiol., 4, 113-115; through Chemical Abstract, 57, 11674f (1962).
- Rhodes, A., and Flichter, D.L. 1966. Principle of Industrial Microbiology. Oxford: Pergamon Press.
- Roper, G.H., and Moss, F.I. 1970. Ger. Offen., 2, 010, 486; through Chemical Abstract, 74, 52156c (1971).
- Rose, A.H. 1961. Industrial Microbiology. Butterworths and London: Pergamon Press.
- Savinykn, A.C., H.I. Isaikina, Nikolaevo, N.S. Glazman, B.A., Golovinov, P.M., Tkachnenko, L.A., and Starodubtseva, T.S. 1967. Gidroliz. Lesokhim. Prom. 20.2, 19-22; through Chemical Abstract, 67, 20778w (1967).

- Scheikh, N.M., Joarder, G.K., and Ahmed, S.A., 1965. Pci. Res. (Daccar, Pakistan) 2, 48-52; through Chemical Abstract, 63, 10583b (1965).
- Semushina, T.N., and Monakhard, N.I. 1966. Sb. Tr; Gos. Nauch. Issled. Inst. Gidroliz. Sulfitno. Spirt. Prom., 15, 88-94; through Chemical Abstract, 67, 89780h (1970).
- Shannon, L.J., and Stevenson, K.E. 1975. Growth of Calvatia gigante and Candida Steatolytica in Brewery Wastes for Microbial Protein Production and BOD Reduction. Journal of Food Science, 40 : 830-832.
- Smith, C.G., and Johnson, M.J. 1954. Aeration Requirements for the Growth of Aerobic Microorganisms. Journal of Bacteriology, 68 : 346-350.
- Snell, F.D., and Ettore, L.S. 1974. Yeast. Encyclopedia of Industrial Chemical Analysis, 19 : 514-543. New York: Interscience Publishers, Inc.
- Sobkowicz, G. 1976. Yeast from Molasses. In G.G. Birch, R.J. Parker, and J.T. Worgan (eds.), Food from Waste. London: Applied Science Publishers.
- Solomons, G.L. 1969. Materials and Method in Fermentation. New York: Academic Press.

- Stakheev, I.V., and Poskrebko, T.A. 1972. Vop. Torarored Tekhnol. Pishch Prod., 2, 100-103; through Chemical Abstract, 80, 35794u (1974).
- Stefan, G., Sperchez, I., and Schlauschck, F. 1968. Rom, 50, 457, 04; through Chemical Abstract, 69, 42798w (1968).
- Stiles, H.R., Peterson, H.W., and Fred, B.E. 1926. A Rapid Method for Determination of Sugar in Bacterial Cultures. Journal of Bacteriology, 12 : 427-439.
- Strasser, J., Abbott, J.A., and Battey, R.F. 1970. Process Enriches Cassava with Protein. Food Engineering, 42 : 114-116.
- Sundhagul, M. 1972. Feasibility Study on Tapioca Waste Recovery. In W.R. Stanton (ed.), Waste Recovery by Microorganisms. Kuala Lumpur: The Ministry of Education Malaysia.
- Suomalainen, H., and Oura, E. 1971. Yeast Nutrition and Solute Uptake. In A.H. Rose and J.S. Harrison (eds.), The Yeasts, 2 : 3-57. London and New York: Academic Press.
- Synder, H.E. 1970. Microbial Sources of Protein. In C.O. Chiechester (ed.), Advances in Food Research, 18 : 85-130. New York and London: Academic Press.
- Tannenbaum, S.R. 1971. Single-Cell Protein: Food of the Future. Food Technology, 25 : 98-102.

- Tannenbaum, S.R., and Wang, D.I.C. 1975. Single-Cell Protein II.
Cambridge, Massachusetts: The MIT Press.
- Tomas, B. 1973. Technologija Mesa. 14(12), 382-388; through
Food Science and Technology Abstract, 5, 10G 647 (1973).
- Tracy, M.V. 1969. Foods of the Future. Food Technology in
Australia, 21 : 8-11.
- Tressler, D.K., and Joslyn, M.A. 1971. Fruit and Vegetable
Juice Processing Technology. Westport, Connecticut:
The Avi Publishing Company, Inc.
- Uden, N.V., Vidal-Leiria, M., and Buckley, H.R. 1966. Ann. Soc.
Belge. Med Trop., 44, 4-5 : 619-637; through Chemical
Abstract, 64, 10125f (1966).
- Vananuvat, P., and Kinsella, J.E. 1975. Production of Yeast
Protein from Crude Lactose by Saccharomyces fragilis
Batch Culture Studies. Journal of Food Science, 40 :
336-340.
- Vernerova, J., and Syhorova, V. 1967. Folid. Microbiol., 12(2),
146-150; through Chemical Abstract, 67, 996n (1967).
- Werk, O. 1959. Kali-Briefe, Fachgeb. 2. 7, 1-7; through
Chemical Abstract, 54, 25439b (1960).
- White, J. 1954. Yeast Technology. New York: John Wiley and Son.

- Wiley, A.J. 1954. Food and Feed Yeasts. In L.A. Underkoffer and R.J. Hiekey (eds.), Industrial Fermentation, 1 : 307-343. New York: Chemical Publishing Co., Inc.
- Worgan, J.T. 1973. Protein Production by Microorganisms from Carbohydrate Substrates. In J.G.W. Jones (ed.), The Biological Efficiency of Protein Production London: Cambridge University Press.
- Worgan, J.T. 1975. Micobial Protein Production. British Association for the Advancement of Science. Surrey: Annual meeting, University of Surrey August 27th September 3rd.
- Wuenschel, J. and Herrmann, U., and Hoffmann, B. 1967. Sitzungsh. Deut. Akad. Landwirtschaftowiss. Berlin, 16(9), 121-130; through Chemical Abstract, 74, 84681m (1971).

APPENDIX

Appendix 1

INVERT SUGAR TABLE (25 ml)

ml of sugar solution required	Invert sugar factor*	mg Invert sugar per 100 ml
15	123.6	824
16	123.6	772
17	123.6	727
18	123.7	687
19	123.7	651
20	123.8	619.0
21	123.8	589.5
22	123.9	563.2
23	123.9	538.7
24	124.0	516.7
25	124.0	496.0
26	124.1	477.3
27	124.1	459.7
28	124.2	443.6
29	124.2	428.3
30	124.3	414.3
31	124.3	401.0
32	124.4	388.7
33	124.4	377.0
34	124.5	366.2
35	124.5	355.8
36	124.6	346.1
37	124.6	336.8
38	124.7	328.1
39	124.7	319.7
40	124.8	311.9
41	124.8	304.4
42	124.9	297.3
43	124.9	290.5
44	125.0	284.1
45	125.0	277.9
46	125.1	272.0
47	125.1	266.3
48	125.2	260.8
49	125.2	255.5
50	125.3	250.6

* mg of invert sugar corresponding to 25 ml of Fehling's solution.

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