

REFERENCES

REFERENCES :

1. Abdellaev, E.Sh.; Ismailov, A.G.; Aliev, V.S.; Rustamov, M.I.; Bankaev, E.S.; Takhov, V.A.; Meshcheryakov, V.V.; Sivtsov, G.I.; Shafransku, E.L.; "Method of dewaxing distillate petroleum products". Russian Patent No.-USSR 501, 567, 604, May, 1990,
2. Adhikari, D.K.; Saini, V.S.; Sista, V.R.; Surana, N.M. and Subramanayam, N., "The mechanism of hydrocarbon up-take and solid hydrocarbon fermentation", Ind. Chem. Eng., 32, 2, 72-6, (1990)
3. Aiba, S.; Haung, K.L.; Martiz, V. and Someya, J., J. Ferment Technol., 47, p. 221, (1969).
4. Aleksandrova, E.A., "Effect of the modified phase state of crystalline paraffin on its solubility". Izv. Vyssh. Uchebn. Zaved, Neft. Gaz., 10, p. 33-9, (1989).
5. Anonymous, "British puts Bugs into production", News Sci., p. 780, December, 18 to 25, (1980).
6. Atlas, R.M. and Bartha, R., "Biodegradation of petroleum in sea water at low temperatures", Candian Jr. of Microbiology, 18, p. 1851-5, (1972).
7. Berridge, S.A., "Finishing Processes : In Modern Petroleum Technology", G.D. Hobson and W. Phohl eds, 4th edn., Applied Science Publishers, p. 426-39, (1973).
8. Bill, S. and Marmin, A., "Lube oil manufacture by severe hydrotreatment", Proc. Tenth World Petroleum Congress, 4, p. 221-8, Bucharest, (1979).
9. Bos, P. and D.E.Bruyn, J.C., "Antonie Van Leeuwenhock", 39, 99, (1973).
10. Bos, P. Ph.D. Thesis, University of Delft, Netherland, (1975).

11. Branken, H. and Richter, F., "Urea dewaxing expands feed choice", Hydrocarb. Process, 58, 1, p. 127-9, (1979).
12. Broughton, D.B., "The molex process A case history in process development", Chem Eng. Prog., 69, 8, p. 60-5, (1968).
13. Calderbank, P.H., In: Biochemical and Biological Science, eds. N. Blackbrough Academic Press, p. 102. (1967).
14. Chakravarty, M.; Singh, H.D. and Baruah, J.N., "A kinetic model for microbial growth on liquid hydrocarbons", Biotech. Bioeng., 17, 397-412, (1975).
15. Champagnat, A., Vernet, C.; Laine, B. and Yilosă, J., "Biosynthesis of Protein - Vitamin concentrate from petroleum", Nature (London), 197, 13, (1963).
16. Chipigo, S.V.; Kozlova, L.I.; Rozhkova, M.I. and Valikoslavinskaya, O.I., "Continuous cultivation of yeast in Microbiological dewaxing of oil distillates, In: Continuous cultivation of Microorganism, I. Malek. K., Beran, Z; Fencl, V.; Munk, J.; Riccia and H. Smarvkov, eds., Academic press, New York, p. 551-60, (1969).
17. Colwell, R.R.; Walker, J.D.; Nelson, J.D., "Microbial ecology and the problem of petroleum degradation of oil pollutants", Publication No. LSU-SG-73-01, Baton Range, Louisiana, (1973).
18. Colwell, R.R.; Walker, J.D.; Millis, A.L.; Garcia-Tello, P. and V. Compas-P, "microbial ecology of the Methanol spill in the straits of megellan", J. Fish. Res. Board Can., 35, 573-80, (1978).
19. Devis, J.P. In: Petroleum Microbiology, Elsevier publishing Company, New York, (1967).

20. Decerle, C.; Yranchkowiak, S. and Gatellier, C.; "How IFP makes food yeast", Hydrocarbon process, 48, 109, (1969).
21. Devis, S.J. and C. Gibbs, "The effect of weathering on crude oil residue exposed at sea", Water, Res. 9:275-85, (1975).
22. Dostalek, M.; Munk, V.; Volfsova, O. and peekar, K., "Continuous cultivation of yeast," Biotech. Bioeng., 10, 33, (1968).
23. Edwards, R.T., Petro. Refiner, 36, 1, p. 180, (1957).
24. Einsele, A and Fiechter, A., "Liquid and solid hydrocarbon", In: Advance in Biochem. Eng. Eds., T.K. Ghose and A. Fiechter, Springer-Verlag, New York, 1, p. 169-93, (1971).
25. Einsele, A.; Fiechter, A. and Knopfel, H.P., Arch.Mikrobiol., 82, p. 247, (1972).
26. Einsele, A.; Blanch, H.W. and Fiechter, A., Proc. Biotech. Bioeng. Symp., 4, Advances in Microbial Eng. Part I, ed. Sikyata, B.; Prokop, A.; Novak, M.; John Wiley & Sons, New York, p. 455-66, (1973).
27. Erdstieck, B. and Rietema, K. and Antonie von Leeuwenhock, Supplement yeast symp. E., 19, (1969).
28. Erickson, L.E; Humphery, A.E. and Prokop, A., 'Growth Model of culture with two liquid phases Biotech. Bioeng., 11, p. 449, (1969).
29. Farrel, T.R., "Lube facility makes high quality lube oil from low quality feed", Oil and Gas Jr., 48, 20, p. 47, (1986).
30. Fetterley, L.C., Petrol Refiner, 36, 1, p. 180, (1957).

31. Floodgate, G., "The fate of petroleum in marine ecosystems", p. 355-98, In: R.M. Atlas (ed.) Petroleum microbiology, Macmillan Publishing Co., New York, (1984).
32. Fuhs, W.G., Arch.Mikrobiol, 3, 9, 374, (1961).
33. Fukui, S. and Tanaka, A., "Metabolism of Alkanes by yeasts", In: Adv. in Biochem. Eng. Ed. A. Fiechter, Springer Verlag, New York, 19, p. 175-215, (1981).
34. Fussman, F., "Effect of site factors on the economics of petroleum manufacture", Experts group, Meeting on the manufacture of proteins from Hydrocarbons, UNIDO, Austria, Oct., (1973).
35. Gadzhieva, M.A; Kafarova, U. Ya; Mikailova, Z.A.; Askerova, S.A.; Babaeva, L.M.; Aleskerova, V.R., "Study of the change of transformer oil distillate after biological deparaffination", Prisadki Smaz, Maslam, 4, p. 142-5, (1976).
36. Giacobbe, F., "The economics of producing SCP by yeast fermentation", Experts group, Meeting on the Manufacture of Proteins from Hydrocarbons UNIDO, Austria, October, (1973).
37. Gibson, D.T., "Microbial degradation on hydrocarbon" In: Goldberg E.D. (eds.) Physical and chemical Science Research Report, 667-96, (1971).
38. Ghose, S.K. and Sista, V.R.; Srivastava, G.C. and Verma, K.S., "Solvent treatment for the separation of yeast cells from cream obtained in petroleum fraction", Indian Jr. of Technology, 6, 4, p. 103-5, (1968).
39. Goma, G.; Pareilleux, A. and Durand, G., J. Ferment Technol., 51, p. 616, (1973).

40. Gopalan, K.V., Proc. of the 4th World petrol. Congress, Rome, 111, 155, (1955).
41. Gow, J.S., Littlehailes, J.D.; Smith, S.R.L. and Walter, R.D., "SCP Production from Methanol" In: Single cell Protein II Eds., S.R. Tannenbaum and Wang, D.I.C., MIT Press, Cambridge, Mas, p. 370, (1975).
42. Gross, H.H. and Gee, W.P., Advan. Chem. Ser., 5, p. 160, (1951).
43. Gruse, W.A. and Stevens, D.R., "The chemical Technology of petroleum", 2nd edn., Mc Graw Hill Book Company, New York, p. 580-8, (1942).
44. Gutnick, D.L. and Rosenberg, E., "Oil Tanker pollution, A microbial approach", Annual Review of Microbiology, 33, 647-53, (1977).
45. Haines, J.R.; Alexander, M., Appl. Bacteriol, 28, p. 1084-5, (1974).
46. Hammer, G.; Heden, C.G.; Carenberg, C.O., "Methane as a carbon substrate for the production of microbial cells", Biotechnol. Bioeng., 9, 499, (1967).
47. Hammer, G.; Topiwala, H.; Harison, D. and Harwood, J., "SCP Production from methane", In: Single cell Proteins II Ed. Steven R. Tannenbaum and D.I.C. Wang, M.I.T. Press (London), p. 357-69, (1975).
48. Hargrove, J.D.; Elkes, G.J.; Richardson, A.H., "New dewaxing process proven in operation", Oil and gas Jr., 77, 3 p. 103, (1979).
49. Harowitz, A.; Gutnick, D.; Rosenberg E., "Sequential growth of bacteria on crude oil", Applied microbiol, 10-9, (1975).

- 50✓ Heinritz, B.; Bley, T.; Ringpfeil, M.; Glombitzka, F.; Ragge, G.; Heidenreich, G., "Microbiological method decreasing the pour point of diesel fuel", Germal (Bast) Patent, DD, 220, 331. 27 March, (1985).
51. Herman, F., "Urea dewaxing process can yield normal paraffin", Hydrocarbon processing, 44, 9, (1965).
52. Hieke, W.; Kockert, M.; Bauch, J.; Gentzch, H.; Koeppert, G.; Woitunik, D.; Wenzel, B.; Stoeffgen, R., "Electric insulating oil", Ger. Patent, 135, 396, (1979).
53. Hisatsuka, K.; Nakahara, T.; Sano, N. and Yamada, K., Agric. Biol. Chem., 35, 685, (1971).
54. IUPAC, Guideliness for testing of single cell protein Destined as protein source for animal Feed, 11, (1978).
- 55✓ Johnson, M.J., Chem. and Ind., 5:5, (1964).
56. Jones, L.D., "Removal of wax with centrifuges", IN: Science of petroleum, Dustan ed., Vol III, Oxford Univ. Press, London, p. 1945, (1938).
57. Kalichevsky, V.A. and Stagner, B.A., "Chemical refining of petroleum", Rev. ed., p. 322-8, Reinhold Publishing Corporation, New York, (1972).
58. Kanazawa, M., "The production of yeast from n.paraffins", IN: Single Cell Protein II, Eds. S.R. Tannenbaum and D.I.C. Wang, M.I.T Press, Cambridge, London, p. 438, (1975).
59. Katinger, H.W.D., Proc. Biotech. Bioeng. Symp. No. 4, Adv. in Microbiol Eng., Part I, Eds. Sikyata, B.; Prokop, A.; Novak, M., John Wiley and Sons, New York, p. 485-505, (1973).

60. Kappeli, O. and Fiechter, A., "Transport of water insoluble substrates", Biotech. Bioeng., 22, p. 1829, (1980).
61. Kappeli, O., "Cytochromes P-450 of yeast", Microbial Rev., 50, 3, p. 244-50, (1968).
62. Katrush, R.V.; Kozlova, L.I.; Rozhkova, M.I.; Zhdannikova, E.N.; Velikoslivinskaya, I.O.; Bauch, J.; Gentzsch, H.; Bohlmann, I., "Production of feed yeast from petroleum distillates", IN: Advances in Biotechnology II, Eds.. M. Mooyoung and C.W. Robinson Pergamon Press, Toronto, p. 401-5, (1981).
63. Kippenstapel, J.; Luebbert, A.; Gentzsch, H.; Bauch, J.; Hieke, W.; Heidenreich, G.; Petzold, G.; Pigorsch, K., "Microbial production of protein containing products", German Patent, 130, 359, March, (1978).
64. Klug, M.J. and Markovetz, A.J., "Utilization of aliphatic hydrocarbons by microorganism", IN: Advances in microbial physiology, Vol. 5, New York, Academic Press, p. 1-43, (1971).
65. Kockert, M.; Hieke, W.; Gentzsch, H.; Bauch, J.; Rozhkova, M.I.; Michailov, L.; Kózlova, L.I., "Purification of biologically treated petroleum products", Ger. Offen., 2, 553, 512, July, (1976).
66. Kockert, M.; Lorenz, K.; Hieke, W.; Hergeth, H.; Diingel, G.; Bauch, J.; Limmer, H.; Gentzech, H., "High octane liquid components for transportation fuel", Ger. Patent, DD 155, 096, (1982).
67. Kuliev, F.A.; Kuliev, R.S.; Agaeva, R.A.; Mutallibova, A.A., Azerb. Neft. Khoz, 10, p. 50-2, (1989).

68. Lahey, J.G. and Colwell, R.R., "Biodegradation of hydrocarbons in the environment", Microbial Rev., 54, p. 305-15, (1990).
69. Laine, B.M. (BP), "Removal of residual hydrocarbon by use of water soluble surfactant", U.S. Patent, 3, 536, 585, (1970).
70. Laine, B.M.; Honderniarek, J.C.; Goux, R. (BP), U.S. Patent No. 3, 616, 209, (1971).
71. Laine, B.M., "What proteins cost from oil", Hydrocarbon process, 53, p. 139, (1974).
73. Laine B.M. and Chaffaut, J.D., "Gas oil as a substrate for single cell protein production", IN: Single Cell Protein II, R. Steven, R Tannenbaum and D.I.C. Wang eds., MIT Press, London, p. 424-37, (1975).
74. Levi, J.D.; Shennan, J.L. and Ebbot, G.P., "Biomass from liquid n.alkanes", Economic Microbiology Vol IV, (1977), Microbial Biomass, Rose, A.H. ed., Academic Press, London, (1979).
75. Litchfield, J.H., "Use of hydrocarbon fraction for production of SCP", Biotech. Bioeng. Symp., 7, p. 77-90, (1975).
76. Litchfield, J.H., "Use of hydrocarbon fraction for the production of SCP", Biotech. Bioeng. Symp., 7, p. 77-90, (1977).
77. Litchfield, J.H., "Production of single cell proteins for use in food or feed", IN: Microbial Technology, Vol. I, 2nd ed., Peppier, H.J. and Perlman, D., Eds , Academic Press, New York, 95, (1979).
78. Lodder, J. (ed), "The yease A Taxonomic study", North Holland, Amsterdam, (1970).

79. Marple, S. and Landry, L.J., "Modern dewaxing Technology", IN: Advances in petroleum chemistry and refining, John, J., McKetta eds., Interscience publishers, New York, 10, p. 191-216, (1945).
80. Meissel, M.N.; Medvedeva, G.A.; Kazlova, T.M., Mikrobiologia, 45, p. 844, (1976).
81. Miller, W. and Osborn, H.G., "Early History of petroleum refining", IN: Science of petroleum, Dunstan eds., Vol II, Oxford Univ. Press, London, p. 1466, (1938).
82. Mimura, A.; Watanabe, S. and Takeda, I., J. Ferment Technol., 49, p. 225, (1971).
83. Mimura, A.; Takeda, I.; Wakasa, R., "Some characteristics phenomena of oxygen transfer in hydrocarbon fermentation", IN: Biotech. Bioeng. Symposium, No.4, New York, John Wiley and Sons, p. 467-84, (1973).
84. Mooyoung, M.; Shimuzu, T. "Kinetic Model for C.lipolytica growth", Biotech. Bioeng., 13, 761, (1971).
85. Mooyoung, M., "A survey of SCP production facilities", Process Biochem., 11, 10, p. 32-4, (1976).
86. Nath, K.; Vijjan, V.K.; Krishna, G. and Ranjhan, S.K., "Relative value of SCP and groundnut-cake as a protein supplement in the ration of lambs", Indian J., Anim. Sci., 4, 9, 3, p. 199-202, (1979).
87. Nelson, W.L., Petroleum Refinery Engineering, 5th edition, McGraw Hill Book Company, New York, p. 374-94, (1958).
88. PAG Guideline 15 On the national safety aspect of novel protein source for animal feeding, PAG Bull, 4, 3, 11, (1974).

89. Perlman, D. and Peppler, H.J., *Microbial Technology*, Academic Press, New York, p. 95-110, (1979).
90. Pilot, P.; Prokop, A.; Fencel, Z.; Vrana, D., "Industrial yeast strain utilizing petroleum alkanes", Czech. Patent, 173, 272, (1978).
91. Ramage, M.P.; Graziani, K.R. and Katzar, J.R., Proc. meeting of the Japan Petroleum Institute, Tokyo, Japan, October, 27-28, (1986).
92. Ratledge, C., "Biotechnology of oils and fats, Microbial lipids", 2, p. 567-8, (1989).
93. Ratledge, C., *Prog.-Ind.*, *Microbial*, 16, 119, (1982).
94. Reddy, P.G.; Singh, H.D.; Pathak, M.G.; Bhagat, S.D. and Baruah, J.N., "Hydrocarbon emulsifying and solubilizing factor", *Biotech. Bioeng.*, 25, p. 387-401, (1983).
95. Reves, E.J. and Pattillo, I.E., *Petrol Refiner*, 27, 3, 80, (1948).
96. Refining Process Handbook, *Hydrocarbon Processing*, 62, 9, p. 96-137, Sept., (1984).
97. Refining Handbook, *Hydrocarbon processing*, 67, 9, p. 110-4, Sept., (1988).
98. Rehm, H.J. and Reif, I., "Mechanism and occurrence of Microbial oxidation of long-chain Alkanes", IN: *Adv. Biochem. Eng.*, A. Fiechter, ed. Springer-Verlag, New York, 19, p. 175-215, (1981).
99. Reisfield, A., Rosenberg and Gutnick, D.L, "Microbial degradation of crude oil", *Applied Microbiology*, 24, p. 363-8, (1972).

100. Remond, R.L.; Hudson, J.O.; Jamison, V.W., "Oil degrading in soil", Appl. Environ Microbiol, 31, 522-35, (1976).
101. Rogers, T.H.; Brown, J.S.; Diekman, R. and Kerns, G.D., Petrol Refiner, 36, 5, p. 217, (1957).
102. Rosenberg, E.; Zuckerberg, A.; Rubinovitz, C. and Gutnick, D.L., Appl. Environ. Microbiol, 37, 402, (1979).
103. Roy, P.K.; Singh, H.D.; Bhagat, S.D.; Baruah, J.N., Biotechnol. Bioeng., 21, 955, (1979).
104. Scrimshaw, N.S. and Young, V.R., "Chemical studies on the nutritional value of single cell proteins", IN: Single Cell Protein, eds., S.R. Tannenbaum and D.I.C. Wang, MIT Process Mas, p. 564-86, (1975).
105. Shaklady, C.A., "SCP from hydrocarbons as animal feed ingredients", Process Biochem., p. 9, December, (1974).
106. Shaw, D.J., "Introduction to colloid and surface chemistry", 117-28, Butterworth, London, (1970).
107. Schennan, J.C. and Levi, J.D., Prog. Ind. Microbial, 13, 1, (1974).
108. Sista, V.R. and Srivastava, G.C., "Separation of n.paraffinic hydrocarbons of carbon range C₁₂-C₂₅ present in kerosene and light diesel oil fractions by microbial means", Indian Patent No. 145, 843, Jan. (1979).
109. Sista, V.R. and Srivastava, G.C., "Development of a process for the separation of n.paraffinic hydrocarbons from petroleum fraction by using acetone as activator", Indian patent No. 145, 843, July, (1979).

110. Sivashanker, S.; Waghmare, K.J.; Reddy, K.M.; Kotnasthane, A.N. and Ratnaswamy, P., "The influence of physico chemical properties of ZSM-5 on catalytic dewaxing", J. Chem. Tech. Biotechnol., 48, p. 261-8, (1990).
111. Salomon, G.L., "Single Cell Protein", CRC Critical Review, 1, 1, p. 21-58, (1985).
112. Srinivasan, S.P.; Singh, H.D.; Baruah, J.N.; Bishnoi, P.V. and Iyanger, M.S., "Physico-chemical studies on the water -yeast cells- gas oil", J. Appl. Chem., 20, (1970).
113. Sukhanov, V.P., "Petroleum Processing", MIR Publish, Moscow, 11, p. 365-75, (1982).
114. Symoniak, M.F., "Upgrade naphtha to fuels and feedstocks", Hydrocarbon Process, 55, 5, May, (1980).
115. Suzuki, T., Tanaka, K.; Matsubara, I and Kinashita, S., Agric. biol. Chem., 33, 1619, (1969).
116. Tiedjje, J.L. and Macleod, D.M., Petrol. Refiner, 34, 2, p. 150, (1955).
117. Vijjan, V.K.; Krishna, G.; Nath, K. and Ranjhan, S.K., "Nutritive value of SCP from petro hydrocarbons in Ruminants", Indian J. Anim. Sci., 48, 9, p. 665-8, (1978).
118. Waterwork, D.G., Single Cell Protein, New Sci., p. 403, December, 4, (1981).
119. Walker, J.D. and Colwell, R.R., "Measuring the potential activity of hydrocarbon degrading bacteria", Applied Environ. Microbiol., 31, 189-97, (1976).
120. Wang, D.I.C. and Ochoa, A., Biotech. Bioeng., 14, 345, (1974).

121. Wastlake, D.W.S. and Foght, J.M., "Effect of dispersant corexit 9527 on the microbial degradation of prushoe bay oil", Can. J. Microbial, 28, 117-22, (1982).
122. Wegner, G.H., Phillips Petroleum Co., U.S. Paent No. 3, 413, Aug., (1967).
123. Wiley, A.J., "Food and feed yeast", IN: Industrial Fermentations Vol. I, Underkoffer, L.A. and Hickey, R.J., Eds, Chemical publishing, New York, 307, (1954).
124. Wise, J.J.; Katzar, J.R.; Chen, N.Y., "Catalytic dewaxing in petroleum processing", Paper No. 191, ACS National meeting, New York, April, 13-18, (1986).
125. Word, D.M. and Brock, T.D., "Environment for influencing the rate of hydrocarbon oxidation in terate lakes", Appld. Envrn. microbiol, p. 764-72, (1976).
126. Yamada, K.; Takahashi, J.J.; Kawabata, Y.; Okada, T. and Onihara, T., "SCP from yeast and bacteria grown on hydrocarbons, in single cell protein", Mateles, R.I. and Tannenbaum, S.R., Eds., MIT Press, Cambridge, Mas, 193, (1968).
127. Yoshida, F.; Yamane, T. and Yagi, H., Mechanism of uptake of liquid hydrocarbons by microorganism, Biotechnol. Bioeng., 13, 215, (1971).71).
128. Zajic, J.E.; Guignard, H.; Garson, D.F., Emulsifying and surface active agents for C.hydrocarboclastus , Biotechnol. Bioeng., 19, 1285-1303, (1977).
129. Zakarian, J.A.; Robson, R.J. and Ferrell, T.R., Energy Progress, 7, 1, p. 59, (1987).

130. Zobell, C.E. *Bacteriol Rev.*, 10, 1, (1946).

131. Zobell, C.E. and Prokop, J.F., 1966, Microbial oxidation of mineral oils in Bacteria Bay botom deposits, *Zeitschrift Allgemeine Mikrobiologie*, 6, 143-62, (1966).