

BIBLIOGRAPHY

Aharonwitz, Y. and Friedrich, C. G. (1980) Arch. Microbiol. 125, 137-142.

Alexander, M. (1977) "Introduction to soil microbiology", 2nd edn, pp 438-456. John Wiley and Sons, New York.

Ambler, R. P., Auffret, A. D. and Clarke, P. H. (1987) FEBS Letters 215, 285-290.

Amarant, T., Vered, Y. and Bohak, Z. (1989) Biotechnol. Bioeng. 11, 49-59.

Amy, P. S., Schulke, J. W., Frazier, L. M., and Seidler, R. J. (1985) Appl. Environ. Microbiol. 49, 1237-1245.

Arnaud, A., Galzy, P. and Jallageas, J. C. (1977) Agric. Biol. Chem. 41, 2183-2191.

Arnaud, A., Galzy, P. and Jallageas, J. C. (1976) Folia Microbiologica 21, 178-183.

Asano, Y., Ando, S., Tani, Y., Yamada, H. and Ueno, T. (1980a) Agric. Biol. Chem. 45, 57-62.

Asano, Y., Ando, S., Tani, Y., Yamada, H. and Ueno, T. (1980b) Agric. Biol. Chem. 45, 2497-2498.

Asano, Y., Tani, Y. and Yamada, H. (1980c) Agric. Biol. Chem. 44, 2251-2252.

Asano, Y., Tachibana, M., Tani, Y. Yamada, H. (1982a) Agric. Biol. Chem. **46**, 1175-1181.

Asano, Y., Yasuda, T., Tani, Y. and Yamada, H. (1982b) Agric. Biol. Chem. **46**, 1183-1189.

Bandhopadhyay, A. L., Asano, Y., Nagasawa, T., Tani, Y. and Yamada, H. (1986) Appl. Enviro. Microbiol. **51**, 302-306.

Betz, J. L. and Clarke, P. H. (1972) J. Gen. Microbiol. **73**, 161-174.

Blake, C. K., and Hagerman, G. D. (1987) J. Bacteriol. **169**, 4878-4883.

Bluementhal-Goldschmidt, S., Butler, G. W. and Conn, E. E. (1963) Nature (London) **197**, 718 -719.

Brandsch, R., Hinkkanen, A. E., and Deeker, R. (1982) Arch. Microbiol. **132**, 26-30.

Bredy, J. (1980) Recent advances in and prospects of antibiotic research. Process biochem, Oct/Nov pp 28-35.

Bradford, M. (1976) Anal. Biochem. **72**. 248-254.

Brammer, W. J., Charls, I. G., Matfeild, M., Cheng-pin, L., Drew, R. E. and Clarke, P. H. (1987) FEBS Letters **215**, 291-295.

Brown, C. M. and Dilworth, M. J. (1975) *J. Gen. Microbiol.* 86, 38-

Buchanan, R. E., and Gibbons, N. E. (1979) *Bergey's Manual of Determinative Bacteriology*. 8th Ed. The Williams and Wilkins Co. Baltimore.

Bui, K. Arnaud, A. and Galzy, P. (1982) *Enzyme. Microb. Technol.* 4, 195-197.

Bui, K., Fradet, H., Arnaud, A., and Galzy, P. (1984a) *J. Gen. Microbiol.* 130, 89-93.

Bui, K., Mastracci, A., Thiery, A., Arnaud, A. and Galzy, P. (1984b) *J. Appl. Bacteriol.* 57, 183-190.

Cacciari, I., Lippi, D., Pietrosanti, T., and Pietrosanti, W. (1986) *Arch. Microbiol.* 145, 113-115.

Cain, R. B. (1981) In: "Microbial Degradation of Xenobiotic and Recalcitrant Compounds". Leisinger, T. Hutter, R. Cook, A. N. and Maesch, J. (Eds.) Academic Press, New York, pp 326-370.

Cane, P. A., and Williams, P. A. (1982) *J. Gen. Microbiol.* 128, 2281-2290.

Chakraborty, A. M. and Gonsalus, I. C. (1971) *Genetics Abstracts* 68:S10 c.f. Sayler *et al* (1990).

Chakraborty, A. M., Chon, G. and Gonsalus, I. C. (1973) Proc. Natl. Acad. Sci. USA. 70, 1137-1140.

Chakraborty, A. M. (1972) J. Bacteriol. 112, 815-823.

Chakrabarty, R. N. (1982) Proceedings of the national workshop on Microbial degradation of industrial wastes. Feb. 23-27, (1981) at NEERI, Nagpur, India.

Chater, K. F., Hopwood, D. A., Keiser, T. and Thompson, C. J. (1982) Curr. Top. Microbiol. Immunol. 96, 69-95.

Child, J. and Willets, A. (1978) Biochem. Biophys. Act. 538, 316-327.

Clarke, P. H. and Drew, R. (1988) Biosci. Rev. 8, 103-120.

Clarke, P. H. (1970) Adv. Microb. Physiol. 4, 179-222.

Clarke, P. H. (1980) In: "Microorganisms and Nitrogen Sources" pp 537-562. Payne, J. W. (Eds.) John Wiley (New York).

Clarke, P. H. (1984) In: "Microorganism as model systems for studying evolution" pp 187-231 Mortlock, R. P. (Ed.) Plenum press, New York.

Collins, P. A. and Knowles, C. J. (1983) J. Gen. Microbiol. 129, 711-718.

Cruikshank, R. (1972) Medical microbiology. 11th Edn. Churchill Livingstone Inc. (London).

Dagley, S. (1978) Naturwissenschaften 65, 85-95.

Dave, Y. I., Oza, K. T. and Puranik, S. A., (1987) In: "Management of hazardous and toxic wastes in the process industries". Kolaczkowski, S. T. and Crittenden, B. D. (Eds.) pp 141-152. Elsevier Applied Science, London.

DiGeronimo, M. J. and Antonie, A. D. (1976) App. Environ. Microbiol. 31, 900-906.

Dolin, M. I. (1950) Ph.D Thesis, Indiana University c.f. Method in Enzymology Vol. I. Colowick, S. P. and Kaplan, N. O. (Eds.) Academic Press Inc. (London).

Duggleby, C. J., Bayley, S. A., Worsey, M. J., Williams, P. A. and Broda, B. (1977) J. Bacteriol. 130, 1274-1280.

Endo, T. and Watanabe, I. (1989) FEBS Lett. 243, 61-

Farrel, R. and Chakraborty, A. M. (1979) In: "Plasmids of medical, environmental and commercial importance" Timmis, K. N. and Puhler, A. (Eds.) pp97-109, Elsevier/North Holland Biomedical Press, Amsterdam.

Fawcett, J. K. and Scott, J. E (1960) J. Clin. Path. 13. 156-159.

Firmin , J. L. and Gray, D. O. (1976) Biochem. J. 158, 223-229.

Fowden, L. and Bell, E. A. (1965) Nature (London). 206, 110-112.

Frieden (1968) c.f. Harper (1977a).

Fukuda, Y., Fukui, M., Harada, T. and Izumi, Y. (1971) J. Ferment. Technol. 49, 1011-1016.

Fukuda, Y., Harada, T. and Izumi, Y. (1973) J. Ferment. Technol. 51, 393-397.

Ghosal, D., You, I. S., Chatterjee, D. K. and Chakrabarty, A. M. (1985) Proc. Natl. Acad. Sci. USA 82, 1638-1642.

Goud, H. D. (1987) "Studies on Microorganism Involved in the Treatment of Petrochemical Industry Effluents" Ph. D. Thesis submitted to the M. S. University of Baroda, Baroda, Gujarat, India.

Goud, H. D., Parekh, L. J. and Ramakrishnan, C. V. (1985) Environ. Pollut. Ser.A. 39, 27-37.

Harper, D. B. (1977a) Biochem. J. 165, 309-319.

Harper, D. B. (1977b) Biochem. J. 167, 685-692.

Herrmann, H., Janke, D., Krejsa, S. and Kunze, I. (1987) FEMS Microbiol. Letts. 43, 133-137.

Hook, R. H. and Robinson, W. G. (1964) J. Biol. Chem. 165, 4263-4267.

Hopper, D. S. and Kemp, P. D. (1980) J. Bacteriol. 142, 21-26.

Horvath, R. S. (1972) Bacteriol. Rev. 36, 146-155.

Hwang, J. S. and Chang, H. N. (1989) Biotechnol. Bioeng. 34, 380-386.

Jacoby, G. A. (1986) Resistance plasmids of *Pseudomonas*, In: Sokatch, J. R. (Ed.) The Bacteria, Vol X, pp 265-293, Academic Press.

Jallageas, J. C., Arnaud, A. and Galzy, P. (1978) J. Gen. Appl. Microbiol. 24, 103-114.

Jallageas, J. C., Arnaud, A. and Galzy, P. (1980) Adv. Biochem. Eng. 14, 1-32.

Keddie, R. M. and Jones, D. (1981) In: "The Prokaryotes: A Handbook on Habitats, Isolation and Identification of Bacteria", Vol. II Starr, M. P., Stolp, H., Truper, H. G., Balows, A. and Schlegel, H. G. (Eds.) pp 1838-1878, Springer-Verlag, Berlin.

Keil, H., Lebens, M. R. and Williams P. A. (1985) J. Bacteriol. 163, 248-255.

Kelly, M. and Clarke, P. H. (1962) J. Gen. Microbiol. 27, 305-316.

Kieny-L'Homme, M. P. Arnaud, A., and Galzy, P. (1981) J. Gen. Appl. Microbiol. 27, 307-325.

Kilipatric, M. L. (1947) J. Am. Chem. Soc. 69, 40-.

Knowles, C. J. (1976) Bacteriol. Rev. 40, 652-680.

Kolenc, R. J., Inniss, W. E., Glick, B. R., Robinson, C. W. and Mayfeild, C. I. (1988) Appl. Environ. Microbiol. 54, 638-641.

Kobayashi, M., Yanaka, N., Nagasawa, T., and Yamada, H. (1990) J. Bacteriol. 172, 4807-4814.

Kochetkov, V. V., and Boronin, A. M. (1985) Mikrobiologiya. 53, 639-644.

Kuwahara, M., Yanese, H., Ishida, Y. and Kikuchi, Y. (1980) J. Ferment. Technol. 58, 573-577.

Lammelli, U. K. (1970) Nature (London) 227, 680-685.

Levy, S. B. (1986) In: "Antibiotic Resistance Genes: Ecology, Transfer and Expression." Levy, S. B. and Norvick, R. P. (Eds.) pp 17-30, Branbury Report 24. Cold Spring Harbor Lab., New York.

Levin, B. R. (1986) In: "Antibiotic Resistance Genes: Ecology, Transfer and Expression." Levy, S. B. and Norvick, R. P. (Eds.) pp57-70, Branbury Report 24. Cold Spring Harbor Lab., New York.

Linton, E. A. and Knowles, C. J. (1986) *J. Gen. Microbiol.* 132, 1493-1501.

Lowry, O. H., Rosenbrough, N. J., Farr, A. L., and Randall, R. J. (1951) *J. Biol. Chem.* 193 265-275.

Maestracci, A., Thiery, K., Bui, A., Arnaud, A. and Galzy, P. (1984) *Arch. Microbiol.* 138, 315-320.

Maestracci, A., Thiery, K., Arnaud, A. and Galzy, P. (1986) *J. Agric. Biol. Chem.* 50, 2237-2241.

Maestracci, M., Bui, K., Thiery, A., Arnaud, A. and Galzy, P. (1984) *Biotechnol. Lett.* 6, 149-154.

Mayaux, J. F., Cerbelaud, E., Soubrier, F., Faucher, D., and Petre, D. (1990) *J. Bacteriol.* 172, 6764-6773.

McBride, K. E., Kenny, J. W. and Stalker, D. M. (1986) *Appl. Environ. Microbiol.* 52, 325-330.

Miller, J. M. and Gray, D. O. (1982) *J. Gen. Microbiol.* 128, 1803-1809.

Milvy, P., and Wolff, M (1977) Mutat. Res. 48. 271-278.

Mimura, A., Kawano, T. and Yamaga, K. (1969) J. Ferment. Technol. 47, 631-638.

Nagasawa, T. and Yamada, H. (1989) Trends Biotechnol. 7, 153-158.

Nagasawa, T. and Yamada, H. (1987) Biochem. Biophys. Res. Commun. 147, 701-709.

Nagasawa, T., Ryuno, K. and Yamada, H. (1986) Biochem. Biophys. Res. Commun. 139, 1305-1312.

Nagasawa, T., Nanba, H., Ryuno, K., Takeuchi, K. and Yamada, H. (1987) Eur. J. Biochem. 162, 691-698.

Nagasawa, T., Nakamura, T., and Yamada, H. (1990) Arch. Microbiol. 155,

Norris, J. R. and Ribbons, D. W. (Eds.) (1971) Methods in Microbiology. Academic Press (London).

Pelleroni, N. J., (1986) "The Bacteria" Sokatch ed. Vol. X. pp 3-26, Academic Press.

Perkins, E. J. and Lurquin, P. F. (1988) J. Bacteriol. 170, 5669-5692.

Plemberton, J. M. and Fisher, P. R. (1977) Nature (London) 268, 732.

Reanny, D. C., Roberts, W. P. and Kelly, W. J. (1982) In: Microbial Interactions and Communities. Bull, A. T. and Slater, J. H. (Eds.) Vol I. pp 287-322, Academic Press, London.

Rheinwald, J. G., Chakrabarty, A. M., and Gunsalus, I. C. (1973) Proc. Natl. Acad. Sci. USA. 70, 885-889.

Roberts, A. N., Barnett, L. and Brenner, S. (1987) Biochem. J. 243, 431-435.

Robinson, W. G. and Hook, R. H. (1964) J. Biol. Chem. 239, 4257-4262.

Rozich, A. F. and Gaudy, A. F. (1987) In: "Management of Hazardous and Toxic Wastes in the Process Industries". Kolaczkowski, S. T. and Crittenden, B. D. (Eds.) pp 431-433, Elsevier Applied Science, London.

Ryuno, K., Nagasawa, T., and Yamada, H. (1988) Agric. Biol. Chem. 52, 1813-1816.

Sambrook, J., Fritsch, E. F. and Maniatis, T. (1989) "Molecular Cloning a Laboratory Manual". 2nd edn. Cold Spring Harbor Lab. Press.

Saye, D. J., Ogunseitan, O., Sayler, G. S. and Miller, R. V.
(1987) Appl. Environ. Microbiol. 53, 987-995.

Sayler, G. S., Hooper, S. W., Layton, A. C. and King, H. J. M.
(1990) Microb. Ecol. 19, 1-20.

Sayler, G. S. and Stacey, G. (1986) In: "Biotechnology Risk Assessment: Issues and Methods for Environmental Introduction". Fiskesel, J. and Covello, V. T. (Eds.) pp 35-55, Pergamon Press, New York.

Shields, M. S., Hooper, S. W. and Sayler, G. S. (1985) J. Bacteriol. 163, 882-889.

Silman, N. J., Carver, M. A. and Jones, C. W. (1989) J. Gen. Microbiol. 135, 3153-3164.

Skerman, V. B. D (1967) A Guide to the Identification of Genera of Bacteria: With Methods and Digests of Generic Characteristics. 2nd edn. The William and Wilkins Co. Baltimore.

Slater, H. J. and Sommerville, H. J., (1979) In "Microb. Technol., Soc. Gen. Microbiol. Symp. 29, Bull, Ellwood and Ratledge (Eds.)

Stadtman, E. R., Ginsburg, A., Ciardi, J. E., Yeh, J., Henning, S. B., and Shapiro, B. M. (1970) Adv. Enzyme Reg. Vol. 8. pp

99, Pergamon press, Oxford and New York.

Stalker, D. M. and McBride, K. E. (1987) J. Bacteriol. 169, 955-960.

Stalker, D. M., Malayj, L. D. and McBride, K. E. (1988) J. Biol. Chem. 263, 6310-6314.

Sugiura, Y., Kuwahara, J., Nagasawa, T. and Yamada, H. (1988) J. Am. Chem. Soc. 109, 5848-5850.

Sugiura, Y., Kuwahara, J., Nagasawa, T., and Yamada, H. (1988) Biochem. Biophys. Res. Commun. 154, 522-528.

Thiery, A., Maestracci, M., Arnaud, A., Galzy, P. and Nicolas, M. (1986a) J. Bas. Microbiol. 5, 299-311.

Thiery, A., Maestracci, M., Arnaud, A., Galzy, P. and Nicolas, M. (1986b) J. Gen. Microbiol. 132, 2205-2208.

Thimman, K. and Mahadevan, S. (1964) Arch. Biochem. Biophys. 105, 133-144.

Timmis, K. N., Lehrbach, P. R., Harayama, S., Don, R. H., Mermond, N., Bas, J., Leppik, R., Weightman, A. J., Reineke, W and Knackmuss, H. J. (1985) In: "Plasmids in bacteria" Helinski, D. R., Cohen, S. N., Clewell, D. B., Jackson, D. A. and Hollaender, A. (Eds.) pp 719-739, Plenum Press, New York.

Thomas, C. M. and Smith, C. A. (1987) Ann. Rev. Microbiol. 41, 77-101.

Trevors, J. T., Barkey, T. and Bourquin, A. W. (1987) Can. J. Microbiol. 33, 191-198.

Tyler, B. (1978) Ann. Rev. Biochem. 47, 1127-1162.

Vennit, S., Bushell, C. T. and Osborne, M. (1977) Mutat. Res. 45, 283-288.

Watanabe, I (1987) Methods in Enzymology 136, 523-530.

Wheatcroft, R. and Williams, P. A. (1981) J. Gen. Microbiol. 124, 433-437.

Yamada, H., Asano, Y. and Tani, Y. (1980) J. Ferment. Technol. 58, 495-500.

Yamada, H., Asano, Y., Hino, T. and Tani, Y. (1979) J. Ferment. Technol 57, 8-14.

Yamada, H., Ryuno, K., Nagasawa, T., Enomoto, K. and Watanabe, I. (1986) Agric. Biol. Chem. 50, 2859-2865.

Yanese, H., Sakai, T. and Tonumura, K. (1985) J. Ferment. Technol. 63, 193-198.