

Author Index Vol. 1–22

- Acosta Jr., D.* see Smith, R. V. Vol. 5, p. 69
- Acton, R. T., Lynn, J. D.*: Description and Operation of a Large-Scale Mammalian Cell, Suspension Culture Facility. Vol. 7, p. 85
- Aiba, S.*: Growth Kinetics of Photosynthetic Microorganisms. Vol. 23, p. 85
- Aiba, S., Nagatani, M.*: Separation of Cells from Culture Media. Vol. 1, p. 31
- Aiba, S., Okabe, M.*: A Complementary Approach to Scale-Up. Vol. 7, p. 111
- Alfermann, A. W.* see Reinhard, E. Vol. 16, p. 49
- Arnaud, A.* see Jallageas, J.-C. Vol. 14, p. 1
- Arora, H. L.,* see Carioca, J. O. B. Vol. 20, p. 153
- Atkinson, B., Daoud, I. S.*: Microbial Floccs and Flocculation. Vol. 4, p. 41
- Atkinson, B., Fowler, H. W.*: The Significance of Microbial Film in Fermenters. Vol. 3, p. 221
- Barker, A. A., Somers, P. J.*: Biotechnology of Immobilized Multienzyme Systems. Vol. 10, p. 27
- Beardmore, D. H.* see Fan, L. T. Vol. 14, p. 101
- Blanch, H. W., Dunn, I. J.*: Modelling and Simulation in Biochemical Engineering. Vol. 3, p. 127
- Blanch, H. W.,* see Moo-Young, M. Vol. 19, p. 1
- Blanch, H. W.,* see Maiorella, B. Vol. 20, p. 43
- Blenke, H.* see Seipenbusch, R. Vol. 15, p. 1
- Blenke, H.*: Loop Reactors. Vol. 13, p. 121
- Blumauerová, M.* see Hostalek, Z. Vol. 3, p. 13
- Bottino, P. J.* see Gamborg, O. L. Vol. 19, p. 239
- Bowers, L. D., Carr, P. W.*: Immobilized Enzymes in Analytical Chemistry. Vol. 15, p. 89
- Brauer, H.*: Power Consumption in Aerated Stirred Tank Reactor Systems. Vol. 13, p. 87
- Brodelius, P.*: Industrial Applications of Immobilized Biocatalysts. Vol. 10, p. 75
- Brosseau, J. D.* see Zajic, J. E. Vol. 9, p. 57
- Bryant, J.*: The Characterization of Mixing in Fermenters. Vol. 5, p. 101
- Bungay, H. R.*: Biochemical Engineering for Fuel Production in United States. Vol. 20, p. 1
- Carioca, J. O. B., Arora, H. L., Khan, A. S.*: Biomass Conversion Program in Brazil. Vol. 20, p. 153
- Carr, P. W.* see Bowers, L. D. Vol. 15, p. 89
- Chang, M. M., Chou, T. Y. C., Tsao, G. T.*: Structure, Pretreatment, and Hydrolysis of Cellulose. Vol. 20, p. 15
- Charles, M.*: Technical Aspects of the Rheological Properties of Microbial Cultures. Vol. 8, p. 1
- Chen, L. F.,* see Gong, Ch.-S. Vol. 20, p. 93
- Chou, T. Y. C.,* see Chang, M. M. Vol. 20, p. 15
- Cibo-Geigy/Lepetit*: Seminar on Topics of Fermentation Microbiology. Vol. 3, p. 1
- Cogoli, A., Tschopp, A.*: Biotechnology in Space Laboratories. Vol. 22, p. 1

- Cooney, C. L.* see Koplove, H. M. Vol. 12, p. 1
- Daoud, I. S.* see Atkinson, B. Vol. 4, p. 41
- Das, K.* see Ghose, T. K. Vol. 1, p. 55
- Davis, P. J.* see Smith, R. V. Vol. 14, p. 61
- Demain, A. L.*: Overproduction of Microbial Metabolites and Enzymes due to Alteration of Regulation. Vol. 1, p. 113
- Doelle, H. W.*, Ewings, K. N., Hollywood, N. W.: Regulation of Glucose Metabolism in Bacterial Systems. Vol. 23, p. 1
- Dunn, I. J.* see Blanch, H. W. Vol. 3, p. 127
- Duvnjak, Z.*, see Kosaric, N. Vol. 20, p. 119
- Eckenfelder Jr., W. W.*, Goodman, B. L., Englande, A. J.: Scale-Up of Biological Wastewater Treatment Reactors. Vol. 2, p. 145
- Einsele, A.*, Fiechter, A.: Liquid and Solid Hydrocarbons. Vol. 1, p. 169
- Enari, T. M.*, Markkanen, P.: Production of Cellulolytic Enzymes by Fungi. Vol. 5, p. 1
- Enatsu, T.*, Shinmyo, A.: In Vitro Synthesis of Enzymes. Physiological Aspects of Microbial Enzyme Production Vol. 9, p. 111
- Englande, A. J.* see Eckenfelder Jr., W. W. Vol. 2, p. 145
- Eriksson, K. E.*: Swedish Developments in Biotechnology Based on Lignocellulose Materials. Vol. 20, p. 193
- Esser, K.*: Some Aspects of Basic Genetic Research on Fungi and Their Practical Implications. Vol. 3, p. 69
- Ewings, K. N.* see Doelle, H. W. Vol. 23, p. 1
- Faith, W. T.*, Neubeck, C. E., Reese, E. T.: Production and Application of Enzymes. Vol. 1, p. 77
- Fan, L. S.* see Lee, Y. H. Vol. 17, p. 131
- Fan, L. T.*, Lee, Y.-H., Beardmore, D. H.: Major Chemical and Physical Features of Cellulosic Materials as Substrates for Enzymatic Hydrolysis. Vol. 14, p. 101
- Fan, L. T.*, Lee, Y.-H., Gharpuray, M. M.: The Nature of Lignocellulosics and Their Pretreatments for Enzymatic Hydrolysis. Vol. 23, p. 155
- Fan, L. T.* see Lee, Y.-H. Vol. 17, p. 101 and p. 131
- Faust, U.*, Sittig, W.: Methanol as Carbon Source for Biomass Production in a Loop Reactor. Vol. 17, p. 63
- Fiechter, A.* see Einsele, A. Vol. 1, p. 169
- Finocchiaro, T.*, Olson, N. F., Richardson, T.: Use of Immobilized Lactase in Milk Systems. Vol. 15, p. 71
- Flaschel, E.* see Wandrey, C. Vol. 12, p. 147
- Flickinger, M. C.*, see Gong, Ch.-S. Vol. 20, p. 93
- Fowler, H. W.* see Atkinson, B. Vol. 3, p. 221
- Fukui, S.*, Tanaka, A.: Production of Useful Compounds from Alkane Media in Japan, Vol. 17, p. 1
- Fukui, S.*, *Tanaka, A.*: Metabolism of Alkanes by Yeasts. Vol. 19, p. 217
- Galzy, P.* see Jallageas, J.-C. Vol. 14, p. 1
- Gamborg, O. L.*, *Bottino, P. J.*: Protoplasts in Genetic Modifications of Plants. Vol. 19, p. 239
- Gaudy Jr., A. F.*, Gaudy, E. T.: Mixed Microbial Populations. Vol. 2, p. 97
- Gaudy, E. T.* see Gaudy Jr., A. F. Vol. 2, p. 97
- Gharpuray, M. M.* see Fan, L. T. Vol. 23, p. 155

- Ghose, T. K., Das, K.*: A Simplified Kinetic Approach to Cellulose-Cellulase System. Vol. 1, p. 55
- Ghose, T. K.*: Cellulase Biosynthesis and Hydrolysis of Cellulosic Substances. Vol. 6, p. 39
- Gomez, R. F.*: Nucleic Acid Damage in Thermal Inactivation of Vegetative Microorganisms. Vol. 5, p. 49
- Gong, Ch.-S., Chen, L. F., Tsao, G. T., Flickinger, M. G.*: Conversion of Hemicellulose Carbohydrates, Vol. 20, p. 93
- Goodman, B. L.* see Eckenfelder Jr., W. W. Vol. 2, p. 145
- Graves, D. J., Wu, Y.-T.*: The Rational Design of Affinity Chromatography Separation Processes. Vol. 12, p. 219
- Gutschick, V. P.*: Energetics of Microbial Fixation of Dinitrogen. Vol. 21, p. 109
- Hahlbrock, K., Schröder, J., Vieregge, J.*: Enzyme Regulation in Parsley and Soybean Cell Cultures, Vol. 18, p. 39
- Haltmeier, Th.*: Biomass Utilization in Switzerland. Vol. 20, p. 189
- Hampel, W.*: Application of Microcomputers in the Study of Microbial Processes. Vol. 13, p. 1
- Harder, A., Roels, J. A.*: Application of Simple Structured Models in Bioengineering. Vol. 21, p. 55
- Harrison, D. E. F., Topiwala, H. H.*: Transient and Oscillatory States of Continuous Culture. Vol. 3, p. 167
- Hollywood, N. W.* see Doelle, H. W. Vol. 23, p. 1
- Hošďálek, Z., Blumauerová, M., Vanek, Z.*: Genetic Problems of the Biosynthesis of Tetracycline Antibiotics. Vol. 3, p. 13
- Hu, G. Y.* see Wang, P. J. Vol. 18, p. 61
- Humphrey, A. E.*, see Rolz, G. E. Vol. 21, p. 1
- Inculet, I. I.* see Zajic, J. E. Vol. 22, p. 51
- Jack, T. R., Zajic, J. E.*: The Immobilization of Whole Cells. Vol. 5, p. 125
- Jallageas, J.-C., Arnaud, A., Galzy, P.*: Bioconversions of Nitriles and Their Applications. Vol. 14, p. 1
- Jiu, J.*: Microbial Reactions in Prostaglandin Chemistry, Vol. 17, p. 37
- Khan, A. S.*, see Carioca, J. O. B. Vol. 20, p. 153
- King, C.-K.* see Wang, S. S. Vol. 12, p. 119
- King, P. J.*: Plant Tissue Culture and the Cell Cycle, Vol. 18, p. 1
- Kjaergaard, L.*: The Redox Potential: Its Use and Control in Biotechnology. Vol. 7, p. 131
- Kochba, J.* see Spiegel-Roy, P. Vol. 16, p. 27
- Koplove, H. M., Cooney, C. L.*: Enzyme Production During Transient Growth. Vol. 12, p. 1
- Kosaric, N., Zajic, J. E.*: Microbial Oxidation of Methane and Methanol. Vol. 3, p. 89
- Kosaric, N.* see Zajic, K. E. Vol. 9, p. 57
- Kosaric, N., Duvnjak, Z., Stewart, G. G.*: Fuel Ethanol from Biomass Production, Economics, and Energy. Vol. 20, p. 119
- Kossen, N. W. F.* see Metz, B. Vol. 11, p. 103
- Kristapsons, M. Z.*, see Viesturs, U. Vol. 21, p. 169
- Lafferty, R. M.* see Schlegel, H. G. Vol. 1, p. 143
- Lee, K. J.* see Rogers, P. L. Vol. 23, p. 37
- Lee, Y.-H.* see Fan, L. T. Vol. 14, p. 101
- Lee, Y.-H.* see Fan, L. T. Vol. 23, p. 155
- Lee, Y. H., Fan, L. T., Fan, L. S.*: Kinetics of Hydrolysis of Insoluble Cellulose by Cellulase, Vol. 17, p. 131

- Lee, Y. H., Fan, L. T.*: Properties and Mode of Action of Cellulase, Vol. 17, p. 101
- Lee, Y. H., Tsao, G. T.*: Dissolved Oxygen Electrodes. Vol. 13, p. 35
- Lehmann, J.* see Schügerl, K. Vol. 8, p. 63
- Levitans, E. S.* see Viesturs, U. Vol. 21, p. 169
- Linko, M.*: An Evaluation of Enzymatic Hydrolysis of Cellulosic Materials. Vol. 5, p. 25
- Linko, M.*: Biomass Conversion Program in Finland, Vol. 20, p. 163
- Lücke, J.* see Schügerl, K. Vol. 7, p. 1
- Lücke, J.* see Schügerl, K. Vol. 8, p. 63
- Lynn, J. D.* see Acton, R. T. Vol. 7, p. 85
- Maiorella, B., Wilke, Ch. R., Blanch, H. W.*: Alcohol Production and Recovery. Vol. 20, p. 43
- Málek, I.*: Present State and Perspectives of Biochemical Engineering. Vol. 3, p. 279
- Mandels, M.*: The Culture of Plant Cells. Vol. 2, p. 201
- Mandels, M.* see Reese, E. T. Vol. 2, p. 181
- Mangold, H. K.* see Radwan, S. S. Vol. 16, p. 109
- Markkanen, P.* see Enari, T. M. Vol. 5, p. 1
- Martin, J. F.*: Control of Antibiotic Synthesis by Phosphate. Vol. 6, p. 105
- Martin, P.* see Zajic, J. E. Vol. 22, p. 51
- Miura, Y.*: Submerged Aerobic Fermentation. Vol. 4, p. 3
- Miura, Y.*: Mechanism of Liquid Hydrocarbon Uptake by Microorganisms and Growth Kinetics. Vol. 9, p. 31
- Messing, R. A.*: Carriers for Immobilized Biologically Active Systems. Vol. 10, p. 51
- Metz, B., Kossen, N. W. F., van Suijdam, J. C.*: The Rheology of Mould Suspensions. Vol. 11, p. 103
- Moo-Young, M., Blanch, H. W.*: Design of Biochemical Reactors Mass Transfer Criteria for Simple and Complex Systems. Vol. 19, p. 1
- Moo-Young, M.* see Scharer, J. M. Vol. 11, p. 85
- Nagai, S.*: Mass and Energy Balances for Microbial Growth Kinetics. Vol. 11, p. 49
- Nagatani, M.* see Aiba, S. Vol. 1, p. 31
- Neubeck, C. E.* see Faith, W. T. Vol. 1, p. 77
- Nyiri, L. K.*: Application of Computers in Biochemical Engineering. Vol. 2, p. 49
- O'Driscoll, K. F.*: Gel Entrapped Enzymes. Vol. 4, p. 155
- Oels, U.* see Schügerl, K. Vol. 7, p. 1
- Okabe, M.* see Aiba, S. Vol. 7, p. 111
- Olson, N. F.* see Finocchiaro, T. Vol. 15, p. 71
- Pace, G. W., Righelato, C. R.*: Production of Extracellular Microbial. Vol. 15, p. 41
- Pitcher Jr., W. H.*: Design and Operation of Immobilized Enzyme Reactors. Vol. 10, p. 1
- Potgieter, H. J.*: Biomass Conversion Program in South Africa. Vol. 20, p. 181
- Radwan, S. S., Mangold, H. K.*: Biochemistry of Lipids in Plant Cell Cultures. Vol. 16, p. 109
- Ramkrishna, D.*: Statistical Models of Cell Populations. Vol. 11, p. 1
- Reese, E. T.* see Faith, W. T. Vol. 1, p. 77
- Reese, E. T., Mandels, M., Weiss, A. H.*: Cellulose as a Novel Energy Source. Vol. 2, p. 181
- Řeháček, Z.*: Ergot Alkaloids and Their Biosynthesis. Vol. 14, p. 33
- Rehm, H.-J., Reiff, I.*: Mechanisms and Occurrence of Microbial Oxidation of Long-Chain Alkanes. Vol. 19, p. 175
- Reiff, I.* see Rehm, H.-J. Vol. 19, p. 175

- Reinhard, E.*, Alfermann, A. W.: Biotransformation by Plant Cell Cultures. Vol. 16, p. 49
- Richardson, T.* see Finocchiaro, T. Vol. 15, p. 71
- Righelato, R. C.* see Pace, G. W. Vol. 15, p. 41
- Roels, J. A.* see Harder, A. Vol. 21, p. 55
- Rogers, P. L.*: Computation in Biochemical Engineering. Vol. 4, p. 125
- Rogers, P. L.*, Lee, K. J., Skotnicki, M. L., Tribe, D. E.: Ethanol Production by *Zymomonas Mobilis*. Vol. 23, p. 37
- Rolz, C.*, Humphrey, A.: Microbial Biomass from Renewables: Review of Alternatives. Vol. 21, p. 1
- Rosazza, J. P.* see Smith, R. V. Vol. 5, p. 69
- Sahm, H.*: Metabolism of Methanol by Yeasts. Vol. 6, p. 77
- Sahm, H.*: Biomass Conversion Program of West Germany. Vol. 20, p. 173
- Scharer, J. M.*, Moo-Young, M.: Methane Generation by Anaerobic Digestion of Cellulose-Containing Wastes. Vol. 11, p. 85
- Schlegel, H. G.*, Lafferty, R. M.: The Production of Biomass from Hydrogen and Carbon Dioxide. Vol. 1, p. 143
- Schmid, R. D.*: Stabilized Soluble Enzymes. Vol. 12, p. 41
- Schröder, J.* see Hahlbrock, K. Vol. 18, p. 39
- Schügerl, K.*: Oxygen Transfer Into Highly Viscous Media. Vol. 19, p. 71
- Schügerl, K.*: Characterization and Performance of Single- and Multistage Tower Reactors with Outer Loop for Cell Mass Production. Vol. 22, p. 93
- Schügerl, K.*, Oels, U., Lücke, J.: Bubble Column Bioreactors. Vol. 7, p. 1
- Schügerl, K.*, Lücke, J., Lehmann, J., Wagner, F.: Application of Tower Bioreactors in Cell Mass Production. Vol. 8, p. 63
- Seipenbusch, R.*, Blenke, H.: The Loop Reactor for Cultivating Yeast on n-Paraffin Substrate. Vol. 15, p. 1
- Shinmyo, A.* see Enatsu, T. Vol. 9, p. 111
- Sittig, W.*, see Faust, U. Vol. 17, p. 63
- Skotnicki, M. L.* see Rogers, P. L. Vol. 23, p. 37
- Smith, R. V.*, Acosta Jr., D., Rosazza, J. P.: Cellular and Microbial Models in the Investigation of Mammalian Metabolism of Xenobiotics. Vol. 5, p. 69
- Smith, R. V.*, Davis, P. J.: Induction of Xenobiotic Monooxygenases. Vol. 14, p. 61
- Solomon, B.*: Starch Hydrolysis by Immobilized Enzymes. Industrial Application. Vol. 10, p. 131
- Somers, P. J.* see Barker, S. A. Vol. 10, p. 27
- Spiegel-Roy, P.*, Kochba, J.: Embryogenesis in Citrus Tissue Cultures. Vol. 16, p. 27
- Spier, R. E.*: Recent Developments in the Large Scale Cultivation of Animal Cells in Monolayers. Vol. 14, p. 119
- Stewart, G. G.*, see Kosaric, N. Vol. 20, p. 119
- Stohs, S. J.*: Metabolism of Steroids in Plant Tissue Cultures. Vol. 16, p. 85
- van Suijdam, J. C.* see Metz, N. W. Vol. 11, p. 103
- Taguchi, H.*: The Nature of Fermentation Fluids. Vol. 1, p. 1
- Tanaka, A.* see Fukui, S. Vol. 17, p. 1 and Vol. 19, p. 217
- Topiwala, H. H.* see Harrison, D. E. F. Vol. 3, p. 167
- Torma, A. E.*: The Role of *Thiobacillus Ferrooxidans* in Hydrometallurgical Processes. Vol. 6, p. 1
- Tran Than Van, K.*: Control of Morphogenesis or What Shapes a Group of Cells? Vol. 18, p. 151

- Tribe, D. E.* see Rogers, P. L. Vol. 23, p. 37
- Tsao, G. T.* see Lee, Y. H. Vol. 13, p. 35
- Tsao, G. T.*, see Chang, M. M. Vol. 20, p. 93
- Tschopp, A.* see Cogoli, A. Vol. 22, p. 1
- Vanek, Z.* see Hostalek, Z. Vol. 3, p. 13
- Vieregge, J.* see Hahlbrock, K. Vol. 18, p. 39
- Viesturs, U. E.*, Kristapsons, M. Z., Levitans, E. S., Foam in Microbiological Processes. Vol. 21, p.169
- Wagner, F.* see Schügerl, K. Vol. 8, p. 63
- Wandrey, C.*, Flaschel, E.: Process Development and Economic Aspects in Enzyme Engineering Acylase L-Methionine System. Vol. 12, p. 147
- Wang, P. J.*, Hu, C. J.: Regeneration of Virus-Free Plants Through in Vitro Culture. Vol. 18, p. 61
- Wang, S. S.*, King, C.-K.: The Use of Coenzymes in Biochemical Reactors. Vol. 12, p. 119
- Weiss, A. H.* see Reese, E. T., Vol. 2, p. 181
- Wilke, Ch. R.*, see Maiorella, B. Vol. 20, p. 43
- Wilson, G.*: Continuous Culture of Plant Cells Using the Chemostat Principle. Vol. 16, p. 1
- Wingard Jr., L. B.*: Enzyme Engineering Vol. 2, p. 1
- Withers, L. A.*: Low Temperature Storage of Plant Tissue Cultures. Vol. 18, p. 101
- Wu, Y.-T.* see Graves, D. J. Vol. 12, p. 219
- Yarovenko, V. L.*: Theory and Practice of Continuous Cultivation of Microorganisms in Industrial Alcoholic Processes. Vol. 9, p. 1
- Zajic, J. E.* see Kosaric, N. Vol. 3, p. 89
- Zajic, J. E.* see Jack, T. R. Vol. 5, p. 125
- Zajic, J. E.*, Kosaric, N., Brosseau, J. D.: Microbial Production of Hydrogen. Vol. 9, p. 57
- Zajic, J. E.*, Incelet, I. I., Martin, P.: Basic Concepts in Microbial Aerosols. Vol. 22, p. 51
- Zlokarnik, M.*: Sorption Characteristics for Gas-Liquid Contacting in Mixing Vessels. Vol. 8, p. 133
- Zlokarnik, M.*: Scale-Up of Surface Aerators for Waste Water Treatment. Vol. 11, p. 157