

References

- ADISA, V. 1989. Lipolytic activities of two strains of *Aspergillus aculeatus* associated with the spoilage of two food sources. *Food/Nahrung*, 33, 325-331.
- AHAMED, A. & VERMETTE, P. 2008. Culture-based strategies to enhance cellulase enzyme production from *Trichoderma reesei* RUT-C30 in bioreactor culture conditions. *Biochemical Engineering Journal*, 40, 399-407.
- AHAMED, A. & VERMETTE, P. 2009. Effect of culture medium composition on *Trichoderma reesei*'s morphology and cellulase production. *Bioresource Technology*, 100, 5979-5987.
- ALMIN, K. E. & ERIKSSON, K. E. 1967a. Enzymic degradation of polymers:: I. Viscometric method for the determination of enzymic activity. *Biochimica et Biophysica Acta (BBA)-Enzymology*, 139, 238-247.
- ALMIN, K. E., ERIKSSON, K. E. & JANSSON, C. 1967b. Enzymic degradation of polymers:: II. Viscometric determination of cellulase activity in absolute terms. *Biochimica et Biophysica Acta (BBA)-Enzymology*, 139, 248-253.
- ATLAS, R. M. & PARKS, L. C. 2004. *Microbiological Media*, CRC Press.
- BALLESTEROS, I., OLIVA, J., CARRASCO, J., CABANAS, A., NAVARRO, A. & BALLESTEROS, M. 1998. Effect of surfactants and zeolites on simultaneous saccharification and fermentation of steam-exploded poplar biomass to ethanol. *Applied Biochemistry and Biotechnology*, 70, 369-381.
- BAM, N., CLELAND, J. & RANDOLPH, T. 1996. Molten globule intermediate of recombinant human growth hormone: stabilization with surfactants. *Biotechnology Progress*, 12, 801-809.
- BARABÁSI, A. L. & OLTVAI, Z. N. 2004. Network biology: understanding the cell's functional organization. *Nature Reviews Genetics*, 5, 101-113.
- BARR, B. K., HSIEH, Y. L., GANEM, B. & WILSON, D. B. 1996. Identification of two functionally different classes of exocellulases. *Biochemistry*, 35, 586-592.

- BAYER, E. A., CHANZY, H., LAMED, R. & SHOHAM, Y. 1998. Cellulose, cellulases and cellulosomes. *Current Opinion in Structural Biology*, 8, 548-557.
- BAYER, E. A., SHOHAM, Y. & LAMED, R. 2006. Cellulose-decomposing bacteria and their enzyme systems. *The Prokaryotes*, 2, 578-617.
- BELDMAN, G., SEARLE-VAN LEEUWEN, M., ROMBOUTS, F. & VORAGEN, F. 1985. The cellulase of *Trichoderma viride*. Purification, characterization and comparison of all detectable endoglucanases, exoglucanases and 13-glucosidases. *European Journal of Biochemistry*, 146, 301-308.
- BERGHEM, L., PETTERSSON, L. & AXIÖ-FREDRIKSSON, U. 1976. The mechanism of enzymatic cellulose degradation. Purification and some properties of two different 1, 4beta-glucan glucanohydrolases from *Trichoderma viride*. *European Journal of Biochemistry/FEBS*, 61, 621.
- BHIKHABHAI, R., JOHANSSON, G. & PETTERSSON, G. 1984. Isolation of cellulolytic enzymes from *Trichoderma reesei* QM 9414. *Journal of Applied Biochemistry*, 6, 336-345.
- BHIKHABHAI, R. & PETTERSSON, G. 1984. The disulphide bridges in a cellobiohydrolase and an endoglucanase from *Trichoderma reesei*. *Biochemical Journal*, 222, 729-736.
- BISSETT, F. H. 1979. Analysis of cellulase proteins by high-performance liquid chromatography. *Journal of Chromatography A*, 178, 515-523.
- BLUM, M. G. B. & FRANÇOIS, O. 2010. Non-linear regression models for Approximate Bayesian Computation. *Statistics and Computing*, 20, 63-73.
- BONNEAU, R. 2008. Learning biological networks: from modules to dynamics. *Nature chemical biology*, 4, 658-664.
- BORJESSON, J., ENGQVIST, M., SIPOS, B. & TJERNELD, F. 2007a. Effect of poly (ethylene glycol) on enzymatic hydrolysis and adsorption of cellulase enzymes to pretreated lignocellulose. *Enzyme and Microbial Technology*, 41, 186-195.
- BORJESSON, J., PETERSON, R. & TJERNELD, F. 2007b. Enhanced enzymatic conversion of softwood lignocellulose by poly (ethylene glycol) addition. *Enzyme and Microbial Technology*, 40, 754-762.

- BROWN, D. & ZAINUDEEN, M. 1977. Growth kinetics and cellulase biosynthesis in the continuous culture of *Trichoderma viride*. *Biotechnology and Bioengineering*, 19, 941-958.
- BUSCH, J. & STUTZENBERGER, F. 1997. Repression and inactivation of -amylase in *Thermomonospora* species during growth on cellobiose. *Microbiology*, 143, 2021.
- CANEVASCINI, G. & GATTLEN, C. 1981. A comparative investigation of various cellulase assay procedures. *Biotechnology and Bioengineering*, 23, 1573-1590.
- CARPITA, N. & MCCANN, M. 2000. The cell wall. *Biochemistry and Molecular Biology of Plants*, 52-108.
- CHANG, B. S., BEAUV AIS, R. M., DONG, A. & CARPENTER, J. F. 1996. Physical factors affecting the storage stability of freeze-dried interleukin-1 receptor antagonist: glass transition and protein conformation. *Archives of biochemistry and biophysics*, 331, 249-258.
- CHEN, C. L. & CHANG, H. 1985. Biosynthesis and Biodegradation of Wood Components. Higuchi, T., Ed.; Academic: Orlando, FL, 535-56.
- CONVERSE, A. O., MATSUNO, R., TANAKA, M. & TANIGUCHI, M. 1988. A model of enzyme adsorption and hydrolysis of microcrystalline cellulose with slow deactivation of the adsorbed enzyme. *Biotechnology and Bioengineering*, 32, 38-45.
- COUTTS, A. & SMITH, R. 1976. Factors influencing the production of cellulases by *Sporotrichum thermophile*. *Applied and Environmental Microbiology*, 31, 819.
- CRAWFORD, D. L. & CRAWFORD, R. L. 1980. Microbial degradation of lignin. *Enzyme and Microbial Technology*, 2, 11-22.
- DOI, R. H., KOSUGI, A., MURASHIMA, K., TAMARU, Y. & HAN, S. O. 2003. Cellulosomes from mesophilic bacteria. *Journal of Bacteriology*, 185, 5907.
- DUFF, S. J. B. & MURRAY, W. D. 1996. Bioconversion of forest products industry waste cellulosics to fuel ethanol: a review. *Bioresource Technology*, 55, 1-33.

EMTIAZI, G., POOYAN, M. & SHAMALNASAB, M. 2007. Cellulase activities in nitrogen fixing *Paenibacillus* isolated from soil in N-free media. World Journal of Agricultural Sciences, 3, 602-608.

ERIKSSON, K. & PETTERSSON, B. 1975. Extracellular enzyme system utilized by the fungus *Sporotrichum pulverulentum* (*Chrysosporium lignorum*) for the breakdown of cellulose. 1. Separation, purification and physico-chemical characterization of five endo-1, 4-beta-glucanases. European Journal of Biochemistry/FEBS, 51, 193.

ESCOVAR-KOUSEN, J., WILSON, D. & IRWIN, D. 2004. Integration of computer modelling and initial studies of site-directed mutagenesis to improve cellulase activity on Cel9A from *Thermobifida fusca*. Applied Biochemistry and Biotechnology, 113, 287-297.

ESTERBAUER, H., SCHURZ, J. & WIRTL, A. 1985. Viscometric and Colorimetric Studies on the Hydrolysis of Carboxymethylcellulose by Cellulose Enzymes. Cellulose Chemistry and Technology, 19, 341-355.

FÄGERSTAM, L. G. & PETTERSSON, L. G. 1979. The cellulolytic complex of *Trichoderma reesei* QM 9414. An immunochemical approach. FEBS letters, 98, 363-367.

FAN, L., GHARPURAY, M. M. & LEE, Y. H. 1987. Cellulose hydrolysis, Springer Verlag.

FARKAŠ, V., LABUDOVA, I., BAUER, Š. & FERENCZY, L. 1981. Preparation of mutants of *Trichoderma viride* with increased production of cellulase. Folia Microbiologica, 26, 129-132.

FETZNER, A., BÖHM, S., SCHREDER, S. & SCHUBERT, R. 2004. Degradation of raw or film-incorporated [beta]-cyclodextrin by enzymes and colonic bacteria. European Journal of Pharmaceutics and Biopharmaceutics, 58, 91-97.

GARCIA, E., JOHNSTON, D., WHITAKER, J. R. & SHOEMAKER, S. P. 1993. Assessment of endo 1, 4 beta D glucanase activity by a rapid colorimetric assay using disodium 2, 2 bicinchoninate. Journal of Food Biochemistry, 17, 135-145.

GHOSE, T. & SAHAI, V. 1979. Production of cellulases by *Trichoderma reesei* QM 9414 in fed batch and continuous flow culture with cell recycle. Biotechnology and Bioengineering, 21, 283-296.

- GHOSE, T. K., HOCHSCHULE, E. T. & INDIAN INSTITUTE OF TECHNOLOGY, B. 1978. Bioconversion of cellulosic substances into energy, chemicals and microbial protein, published by Indian Institute of Technology.
- GLENN, M., GHOSH, A. & GHOSH, B. 1985. Subcellular fractionation of a hypercellulolytic mutant, *Trichoderma reesei* Rut-C30: localization of endoglucanase in microsomal fraction. Applied and Environmental Microbiology, 50, 1137.
- GOMBOTZ, W., PANKEY, S., BOUCHARD, L., PHAN, D. & MACKENZIE, A. 2002. Stability, characterization, formulation, and delivery system development for transforming growth factor-beta 1. Formulation, Characterization, and Stability of Protein Drugs: Case Histories, 219-245.
- GONG, C., LADISCH, M. & TSAO, G. 1977. Cellobiase from *Trichoderma viride*: purification, properties, kinetics, and mechanism. Biotechnology and Bioengineering, 19, 959-981.
- GONG, C., LADISCH, M. & TSAO, G. 1979. Biosynthesis, purification, and mode of action of cellulases of *Trichoderma reesei*. Advanced Chemistry Journal, 181, 261-288.
- GRACHEVA, I., VAGANOVA, M. & SALOVAROVA, V. 1978. Cellulase formation by soil yeasts of the genus Trichosporon and by microscopic fungi. Mikrobiologia, 47, 100-104.
- GUM, E. & BROWN JR, R. 1976. Structural characterization of a glycoprotein celUulase, 1, 4-/3 glucan cellobiohydrolase from *Trichoderma viride*. Biochimistry and Biophysics Journal, 446, 371-386.
- GUPTA, J. & GUPTA, Y. 1979. Properties of cellulase from *Trichoderma viride*. Folia Microbiologica, 24, 269-272.
- GUSAKOV, A., SINITSYN, A., KLESOV, A. & GOLDSHTEINS, G. 1984. Reactions of hydrolysis and transglycosylation catalyzed by cellobiase. Kinetics and mathematical model of the process. Biokhimiya, 49, 1110-1120.
- HÅKANSSON, U., FÄGERSTAM, L., PETTERSSON, L. & ANDERSSON, L. 1979. A 1, 4-beta-glucan glucanohydrolase from the cellulolytic fungus *Trichoderma viride* QM 9414. Purification, characterization and preparation of an immunoabsorbent for the enzyme. Biochemical Journal, 179, 141.
- HALLIWELL, G. & VINCENT, R. 1981. The action on cellulose and its derivatives of a purified 1, 4-beta-glucanase from *Trichoderma koningii*. Biochemical Journal, 199, 409.

- HARI KRISHNA, S., SEKHAR RAO, K., SURESH BABU, J. & SRIRAMI REDDY, D. 2000. Studies on the production and application of cellulase from *Trichoderma reesei* QM-9414. Bioprocess and Biosystems Engineering, 22, 467-470.
- HARRIGAN, W. F. 1998. Laboratory methods in food microbiology, Academic Pr.
- HERR, D. 1979. Secretion of cellulase and glucosidase by *Trichoderma viride* ITCC 1433 in submerged culture on different substrates. Biotechnology and Bioengineering, 21, 1361-1371.
- HÖLKER, U., HÖFER, M. & LENZ, J. 2004. Biotechnological advantages of laboratory-scale solid-state fermentation with fungi. Applied Microbiology and Biotechnology, 64, 175-186.
- HOPKINS, W. G. 1995. Introduction to plant physiology, John Wiley & Sons, Inc.
- HUANG, A. 1975. Kinetic studies on insoluble cellulose-cellulase system. Biotechnology and Bioengineering, 17, 1421-1433.
- HURST, P., NIELSEN, J., SULLIVAN, P. & SHEPHERD, M. 1977. Purification and properties of a cellulase from *Aspergillus niger*. Biochemical Journal, 165, 33.
- HURST, P., SULLIVAN, P. & SHEPHERD, M. 1978. Substrate specificity and mode of action of a cellulase from *Aspergillus niger*. Biochemical Journal, 169, 389.
- ILMEN, M., THRANE, C. & PENTTILÄ, M. 1996. The glucose repressor gene *cre1* of *Trichoderma*: Isolation and expression of a full-length and a truncated mutant form. Molecular and General Genetics MGG, 251, 451-460.
- INGLIN, M., FEINBERG, B. & LOEWENBERG, J. 1980. Partial purification and characterization of a new intracellular beta-glucosidase of *Trichoderma reesei*. Biochemical Journal, 185, 515.
- ISHIHARA, H., IMAMURA, K., KITA, M., AIMI, T. & KITAMOTO, Y. 2005. Enhancement of the viscometric endocellulase activity of *Polyporus arcularius* CMCase IIIa by cellobiose and cellooligosaccharides. Mycoscience, 46, 148-153.
- ISMAILOVA, D. 1975. Effect of certain substances on the biosynthesis of cellulase by the thermotolerant fungus, *Aspergillus terreus* I7P. Prikladnaia Biokhimiia Mikrobiologiiia, 11, 676.

- JANAS, P., TARGO SKI, Z. & MLEKO, S. 2002. New inducers for cellulases production by *Trichoderma reesei* M-7. Electronic Journal of Polish Agricultural Universities, 5, 1-9.
- JARADAT, Z., DAWAGREH, A., ABABNEH, Q. & SAADOUN, I. 2008. Influence of culture conditions on cellulase production by *Streptomyces* sp.(Strain J2). Jordan Journal of Biological Science, 1, 141-146.
- JUHÁSZ, T., SZENGYEL, Z., SZIJÁRTÓ, N. & RÉCZEY, K. 2004. Effect of pH on cellulase production of *Trichoderma ressei* RUT C30. Applied Biochemistry and Biotechnology, 113, 201-211.
- KATAKAM, M., BELL, L. & BANGA, A. 1995. Effect of surfactants on the physical stability of recombinant human growth hormone. Journal of Pharmaceutical Sciences, 84, 713-716.
- KIM, H. J., KIM, S. B. & KIM, C. J. 2007. The effects of nonionic surfactants on the pretreatment and enzymatic hydrolysis of recycled newspaper. Biotechnology and Bioprocess Engineering, 12, 147-151.
- KIRK, T. K. & FARRELL, R. L. 1987. Enzymatic "combustion": the microbial degradation of lignin. Annual Reviews in Microbiology, 41, 465-501.
- KRISTENSEN, J. B., BORJESSON, J., BRUUN, M. H., TJERNELD, F. & JORGENSEN, H. 2007. Use of surface active additives in enzymatic hydrolysis of wheat straw lignocellulose. Enzyme and Microbial Technology, 40, 888-895.
- KUBICEK, C., MESSNER, R., GRUBER, F., MACH, R. & KUBICEK-PRANZ, E. 1993. The *Trichoderma* cellulase regulatory puzzle: from the interior life of a secretory fungus. Enzyme and Microbial Technology, 15, 90-99.
- KUMAR, R. & WYMAN, C. E. 2009. Effect of additives on the digestibility of corn stover solids following pretreatment by leading technologies. Biotechnology and Bioengineering, 102, 1544-1557.
- KURTZMAN, C. 1983. Fungi: Sources of Food, Fuel, and Biochemicals. Mycologia, 75, 374-382.
- LAMBERT, P. 1983. Industrial enzyme production and recovery from filamentous fungi. The Filamentous Fungi, 4, 210-237.
- LEATHAM, G. F. 1986. The ligninolytic activities of *Lentinus edodes* and *Phanerochaete chrysosporium*. Applied Microbiology and Biotechnology, 24, 51-58.

- LYND, L. R., WEIMER, P. J., VAN ZYL, W. H. & PRETORIUS, I. S. 2002. Microbial cellulose utilization: fundamentals and biotechnology. *Microbiology and molecular biology reviews*, 66, 506-577.
- MACH, R. & ZEILINGER, S. 2003. Regulation of gene expression in industrial fungi: *Trichoderma*. *Applied Microbiology and Biotechnology*, 60, 515-522.
- MAGUIRE, R. 1977. Kinetics of the hydrolysis of cellobiose and p-nitrophenyl-D-glucoside by cellobiase of *Trichoderma viride*. *Biochemistry and Cell Biology*, 55, 19-26.
- MALCOLM BROWN, R. 1996. Cellulose biosynthesis in higher plants. *Trends in Plant Science*, 1, 149-156.
- MANDEL, M. & WEBER, J. 1969. Exoglucanase Activity by Microorganisms. *Advance Chemistry*, 956, 391-414.
- MANDELS, M., ANDREOTTI, R. & ROCHE, C. 2009. Measurement of saccharifying cellulase. *Biotechnology for Biofuels*, 2, 21.
- MANDELS, M., PARRISH, F. & REESE, E. 1962. Sophorose as an inducer of cellulase in *Trichoderma viride*. *Journal of Bacteriology*, 83, 400.
- MANDELS, M. & REESE, E. T. 1957. Induction of cellulase in *Trichoderma viride* as influenced by carbon sources and metals. *Journal of Bacteriology*, 73, 269.
- MANNING, K. 1981. Improved viscometric assay for cellulase. *Journal of Biochemical and Biophysical Methods*, 5, 189-202.
- MILLER, G. L. 1959. Use of dinitrosalicylic acid reagent for determination of reducing sugar. *Analytical chemistry*, 31, 426-428.
- MONTENECOURT, B. & EVELEIGH, D. 1977. Preparation of mutants of *Trichoderma reesei* with enhanced cellulase production. *Applied and Environmental Microbiology*, 34, 777.
- MUTHUVELAYUDHAM, R., VIRUTHAGIRI, T. & SELVAPANDIAN, T. 2005. Biosynthesis of cellulase protein on substrates like cellulose, xylose and lactose using *Trichoderma reesei*, Annamalai University. *Journal of Engineering Technol*, 118-121.
- NAGELKERKE, N. J. D. 1991. A note on a general definition of the coefficient of determination. *Biometrika*, 78, 691.

NIDETZKY, B. & STEINER, W. 1993. A new approach for modelling cellulase-cellulose adsorption and the kinetics of the enzymatic hydrolysis of microcrystalline cellulose. *Biotechnology and Bioengineering*, 42, 469-479.

NIEVES, R., EHRMAN, C., ADNEY, W., ELANDER, R. & HIMMEL, M. 1998. Survey and analysis of commercial cellulase preparations suitable for biomass conversion to ethanol. *World Journal of Microbiology and Biotechnology*, 14, 301-304.

NUMMI, M., NIKU-PAAVOLA, M., LAPPALAINEN, A., ENARI, T. & RAUNIO, V. 1983. Cellobiohydrolase from *Trichoderma reesei*. *Biochemical Journal*, 215, 677.

OASHIMA, H., BURNS, D. & CONVERSE, A. 1990. Adsorption of cellulase from *T. reesei* on cellulose and lignaceous residue in wood pretreated by dil. H₂SO₄ with explosive decomposition. *Biotechnology and Bioengineering Journal*, 36, 446-452.

OKADA, Y., MORODOMI, T., ENGHILD, J., SUZUKI, K., YASUI, A., NAKANISHI, I., SALVESEN, G. & NAGASE, H. 1990. Matrix metalloproteinase 2 from human rheumatoid synovial fibroblasts. *European Journal of Biochemistry*, 194, 721-730.

OLSSON, L., CHRISTENSEN, T., HANSEN, K. & PALMQVIST, E. 2003. Influence of the carbon source on production of cellulases, hemicellulases and pectinases by *Trichoderma reesei* Rut C-30. *Enzyme and Microbial Technology*, 33, 612-619.

OSTRIKOVA, N. & KONOVALOV, S. 1983. Influence of nitrogen sources on cellulase biosynthesis by mutant strain *Trichoderma viride* 44. *Applied Biochemistry and Microbiology*, 19, 392-395.

OTT, L. & LONGNECKER, M. 2008. An introduction to statistical methods and data analysis, Duxbury Pr.

PARIA, S. & KHILAR, K. C. 2004. A review on experimental studies of surfactant adsorption at the hydrophilic solid-water interface. *Advances in Colloid and Interface Science*, 110, 75-95.

PEITERSEN, N., MEDEIROS, J. & MANDELS, M. 1977. Adsorption of *Trichoderma* cellulase on cellulose. *Biotechnology and bioengineering*, 19, 1091-1094.

- PENTTILÄ, M., LEHTOVAARA, P., NEVALAINEN, H., BHIKHABHAI, R. & KNOWLES, J. 1986. Homology between cellulase genes of *Trichoderma reesei*: complete nucleotide sequence of the endoglucanase I gene. *Gene*, 45, 253-263.
- POINTING, S. 2001. Feasibility of bioremediation by white-rot fungi. *Applied Microbiology and Biotechnology*, 57, 20-33.
- QING, Q., YANG, B. & WYMAN, C. E. 2010. Impact of surfactants on pretreatment of corn stover. *Bioresource Technology*, 101, 5941-5951.
- RALSTON, M. L. & JENNICH, R. I. Derivative-free nonlinear regression. 1978. US Dept. of Commerce, National Bureau of Standards: for sale by the Supt. of Docs., US Govt. Print. Off., 312.
- RASHIDIAN, A., MILES, J., RUSSELL, D. & RUSSELL, I. 2006. Sample size for regression analyses of theory of planned behaviour studies: case of prescribing in general practice. *British journal of health psychology*, 11, 581-593.
- REESE, E. & MANDELS, M. 1980. Stability of the cellulase of *Trichoderma reesei* under use conditions. *Biotechnology and Bioengineering*, 22, 323-335.
- ROCHE, C. M., DIBBLE, C. J., KNUTSEN, J. S., STICKEL, J. J. & LIBERATORE, M. W. 2009a. Particle concentration and yield stress of biomass slurries during enzymatic hydrolysis at high solids loadings. *Biotechnology and Bioengineering*, 104, 290-300.
- ROCHE, C. M., DIBBLE, C. J. & STICKEL, J. J. 2009b. Laboratory-scale method for enzymatic saccharification of lignocellulosic biomass at high-solids loadings. *Biotechnology for Biofuels*, 2, 28.
- RYU, D. D. Y. & MANDELS, M. 1980. Cellulases: biosynthesis and applications. *Enzyme and Microbial Technology*, 2, 91-102.
- SALOHEIMO, M., LEHTOVAARA, P., PENTTILÄ, M., TEERI, T., STÅHLBERG, J., JOHANSSON, G., PETTERSSON, G., CLAEYSSENS, M., TOMME, P. & KNOWLES, J. 1988. EGIII, a new endoglucanase from *Trichoderma reesei*: the characterization of both gene and enzyme. *Gene*, 63, 11-21.
- SARCIAUX, J. M., MANSOUR, S., HAGEMAN, M.J., NAIL, S.L., 1999. Effects of buffer composition and processing conditions on aggregation of bovine IgG during freeze-drying. *Pharmalogical Science*, 88, 1345-1361.

- SCHWARZ, W. 2001. The cellulosome and cellulose degradation by anaerobic bacteria. *Applied Microbiology and Biotechnology*, 56, 634-649.
- SHARROCK, K. R. 1988. Cellulase assay methods: a review. *Journal of Biochemical and Biophysical Methods*, 17, 81.
- SHEEHAN, J. & HIMMEL, M. 1999. Enzymes, energy, and the environment: a strategic perspective on the US Department of Energy's research and development activities for bioethanol. *Biotechnology Progress*, 15, 817-827.
- SHOEMAKER, S. & BROWN, R. 1978. Characterization of endo-1, 4-[beta]-glucanases purified from *Trichoderma viride*. *Biochimica et Biophysica Acta (BBA)-Enzymology*, 523, 147-161.
- SINGHANIA, R. R., SUKUMARAN, R. K., PATEL, A. K., LARROCHE, C. & PANDEY, A. 2010. Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. *Enzyme and Microbial Technology*, 46, 541-549.
- SKOMAROVSKY, A., ZOROV, I., GRISHUTIN, S., MARKOV, A., SINITSYN, A., GUSAKOV, A., RYABOV, A. & GNEDENKO, B. 2000. Electrochemical assay of endo-depolymerase activity of cellulases. *Biochemistry. Biokhimia*, 65, 1197.
- SOMOGYI, M. 1952. Notes on sugar determination. *Journal of Biological Chemistry*, 195, 19.
- SPANO, L., TASSINARI, T., RYU, D. D. Y., ALLEN, A. & MANDELS, M. 1979. Enzymatic hydrolysis of cellulose to fermentable sugar for production of ethanol. *Energy in agriculture collection-Michigan State University, Department of Agricultural Engineering (USA)*.
- STERNBERG, D. 1976a. Beta-glucosidase of *Trichoderma*: its biosynthesis and role in saccharification of cellulose. *Applied and Environmental Microbiology*, 31, 648.
- STERNBERG, D. 1976b. Production of cellulase by *Trichoderma*. In. 35.
- STERNBERG, D. & DORVAL, S. 1979. Cellulase production and ammonia metabolism in *Trichoderma reesei* on high levels of cellulose. *Biotechnology and Bioengineering*, 21, 181-191.
- STERNBERG, D. & MANDELS, G. 1979. Induction of cellulolytic enzymes in *Trichoderma reesei* by sophorose. *Journal of Bacteriology*, 139, 761.

- STERNBERG, D. & MANDELS, G. 1980. Regulation of the cellulolytic system in *Trichoderma reesei* by sophorose: induction of cellulase and repression of beta-glucosidase. *Journal of Bacteriology*, 144, 1197.
- STRAUME, M. & JOHNSON, M. L. 1992. Analysis of Residuals: Criteria for determining goodness-of-fit. *Methods in enzymology*, 210, 87-105.
- SUTHERLAND, J. & CRAWFORD, D. 1981. Lignin and glucan degradation by species of the Xylariaceae. *Transactions of the British Mycological Society*, 76, 335-337.
- SUTO, M. & TOMITA, F. 2001. Induction and catabolite repression mechanisms of cellulase in fungi. *Journal of Bioscience and Bioengineering*, 92, 305-311.
- SZENGYEL, Z. 2000. Ethanol from wood: cellulase enzyme production, Univ.-bibl.
- SZENGYEL, Z., ZACCHI, G., VARGA, A. & RÉCZEY, K. 2000. Cellulase production of *Trichoderma reesei* rut C 30 using steam-pretreated spruce. *Applied Biochemistry and Biotechnology*, 84, 679-691.
- TAKAHASHI, M., NISHIZAWA, T., YOSHIKAWA, A., SATO, S., ISODA, N., IDO, K., SUGANO, K. & OKAMOTO, H. 2002. Identification of two distinct genotypes of hepatitis E virus in a Japanese patient with acute hepatitis who had not travelled abroad. *Journal of General Virology*, 83, 1931.
- TAN, Y. & WAHAB, M. 1997. Extracellular enzyme production during anamorphic growth in the edible mushroom, *Pleurotus sajor-caju*. *World Journal of Microbiology and Biotechnology*, 13, 613-617.
- TEERI, T. T. 1997. Crystalline cellulose degradation: new insight into the function of cellobiohydrolases. *Trends in Biotechnology*, 15, 160-167.
- THONGEKKAEW, J., IKEDA, H., MASAKI, K. & IEFUJI, H. 2008. An acidic and thermostable carboxymethyl cellulase from the yeast *Cryptococcus* sp. S-2: Purification, characterization and improvement of its recombinant enzyme production by high cell-density fermentation of *Pichia pastoris*. *Protein Expression and Purification*, 60, 140-146.
- VOHRA, R., SHIRKOT, C., DHAWAN, S. & GUPTA, K. 1980. Effect of lignin and some of its components on the production and activity of cellulase (s) by *Trichoderma reesei*. *Biotechnology and Bioengineering*, 22, 1497-1500.

WALL, M., RECHTSTEINER, A. & ROCHA, L. 2003. Singular value decomposition and principal component analysis. A Practical Approach to Microarray Data Analysis, 91-109.

WANG, W., WANG, Y. & WANG, D. 2008. Dual effects of Tween 80 on protein stability. International Journal of Pharmaceutics, 347, 31-38.

WELLS, J. E., RUSSELL, J. B., SHI, Y. & WEIMER, P. J. 1995. Cellooligosaccharide efflux by the cellulolytic ruminal bacterium Fibrobacter succinogenes and its potential role in the growth of nonadherent bacteria. Applied and Environmental Microbiology, 61, 1757.

WITHERS, S. 2001. Mechanisms of glycosyl transferases and hydrolases. Carbohydrate polymers, 44, 325-337.

YANG, B. & WYMAN, C. E. 2006. BSA treatment to enhance enzymatic hydrolysis of cellulose in lignin containing substrates. Biotechnology and Bioengineering, 94, 611-617.

ZHANG, M., WEN, J., ARAKAWA, T. & PRESTRELSKI, S. 1995. A new strategy for enhancing the stability of lyophilized protein: the effect of the reconstitution medium on keratinocyte growth factor. Pharmaceutical Research, 12, 1447-1452.

ZHANG, Y. & LYND, L. 2004. Toward an aggregated understanding of enzymatic hydrolysis of cellulose: Noncomplexed cellulase systems. Biotechnology and Bioengineering, 88, 797-824.

ZALDÍVAR, M., VELÁSQUEZ, J. C., CONTRERAS, I. & PÉREZ, L. M. 2001. Trichoderma aureoviride 7-121, a mutant with enhanced production of lytic enzymes:: its potential use in waste cellulose degradation and/or biocontrol. Electronic Journal of Biotechnology, 4, 13-14.