PROCESS BIOCHEMISTRY

AUTHOR INFORMATION PACK

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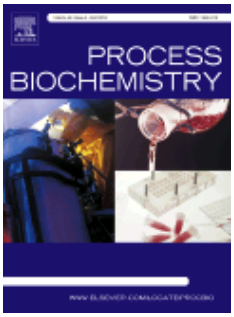

ISSN: 1359-5113

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• Environmental biotechnology: biodegradation, bioremediation, wastewater treatment, biosorption and bioaccumulation
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INTRODUCTION

Process Biochemistry is an application-orientated research journal devoted to reporting advances with originality and novelty, in the science and technology of the processes involving bioactive molecules and living organisms. These processes concern the production of useful metabolites or materials, or the removal of toxic compounds using tools and methods of current biology and engineering. Its main areas of interest include novel bioprocesses and enabling technologies (such as nanobiotechnology, tissue engineering, directed evolution, metabolic engineering, systems biology, and synthetic biology) applicable in food (nutraceutical), healthcare (medical, pharmaceutical, cosmetic), energy (biofuels), environmental, and biorefinery industries and their underlying biological and engineering principles.

Main topics covered include, with most of possible aspects and domains of application: cell culture and fermentation, biochemical and bioreactor engineering; biotechnology processes and their life science aspects; biocatalysis, enzyme engineering and biotransformation; and downstream processing.

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[5] Curtin CD. Towards molecular bioprocessing as a tool to enhance production of anthocyanins in Vitis vinifera L. cell suspension culture. Australia: Flinders University; Ph.D. thesis; 2004. p.250.

[6] Snow-Brand-Milk-Prod. Lysozyme purification by affinity chromatorgraphy on crosslink chitosan sulfate. Jpn. Patent. JP 05260-966. 92.03.24.

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[8] Schweder T, Hecker M. Monitoring of stress response, In: Enfors SO, editor. Physiological stress responses in bioprocesses. Advances in Biochemical Engineering/Biotechnology vol. 89. Berlin: Springer; 2004. p. 47-71.

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