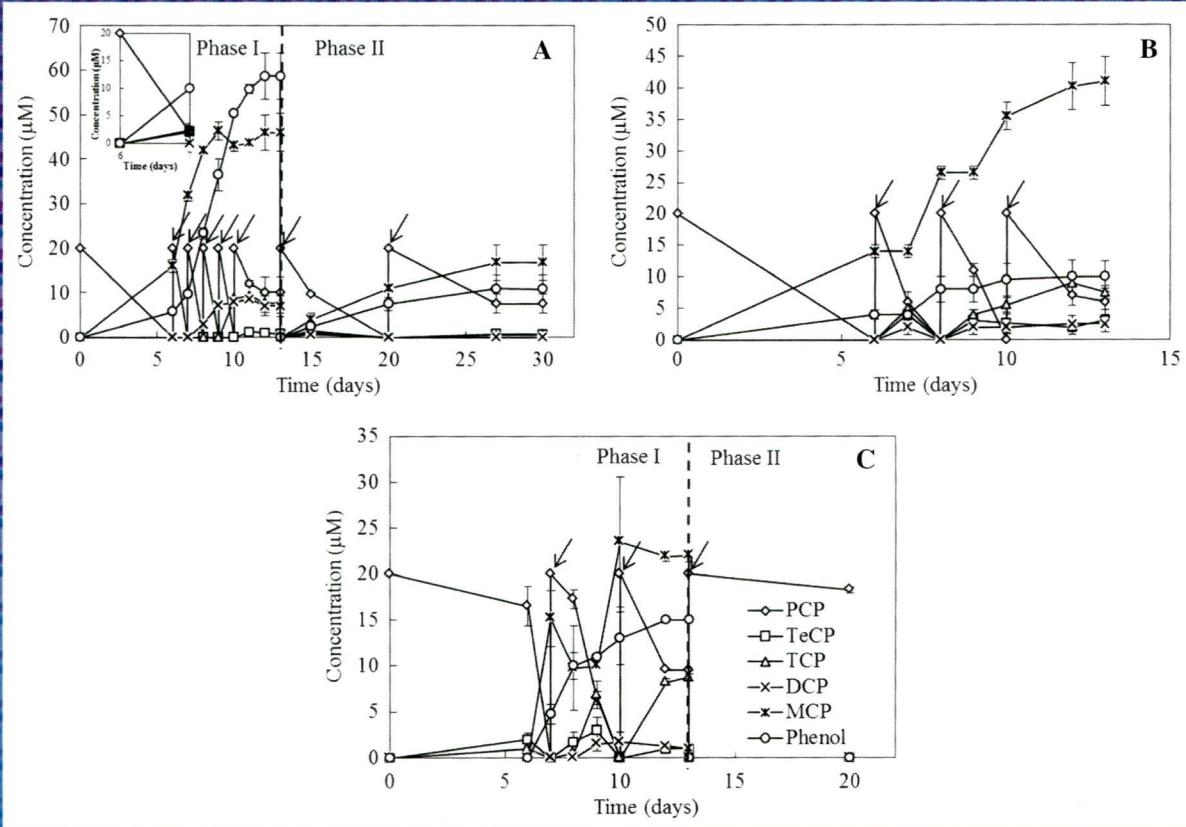


BIORESOURCE TECHNOLOGY

applied microbiology ■ bioconversion/biocatalysis ■ biofuels ■
biological engineering ■ biological waste treatment ■ biomass ■
bioprocesses ■ thermo-chemical treatment





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CONTENTS**Volume 164, July 2014****Full Length Articles****Biological Waste Treatment**

- 1 Preparation of highly developed mesoporous activated carbon fiber from liquefied wood using wood charcoal as additive and its adsorption of methylene blue from solution
X. MA, F. ZHANG, J. ZHU, L. YU & X. LIU (China)
- 28 Bioremediation of coking wastewater containing carbazole, dibenzofuran, dibenzothiophene and naphthalene by a naphthalene-cultivated *Arthrobacter* sp. W1
S. SHI, Y. QU, F. MA & J. ZHOU (China)
- 34 Performance enhancement and fouling mitigation by organic flocculant addition in membrane bioreactor at high salt shock
H. ZHANG (PR China, USA), Z. GAO, L. ZHANG (PR China) & L. SONG (USA)
- 78 Asparagus stem as a new lignocellulosic biomass feedstock for anaerobic digestion: Increasing hydrolysis rate, methane production and biodegradability by alkaline pretreatment
X. CHEN, Y. GU, X. ZHOU & Y. ZHANG (China)
- 149 Effect of arsenic on nitrification of simulated mining water
S. PAPIRIO, G. ZOU, A. YLINEN (Finland), F. DI CAPUA (Finland, Italy), F. PIROZZI (Italy) & J. A. PUHAKKA (Finland)
- 189 Use of biochars in anaerobic digestion
J. MUMME (Germany), F. SROCKE (Canada), K. HEEG & M. WERNER (Germany)
- 203 Treatment of hypersaline produced water employing a moderately halophilic bacterial consortium in a membrane bioreactor: Effect of salt concentration on organic removal performance, mixed liquor characteristics and membrane fouling
E. ABDOLLAHZADEH SHARGHI, B. BONAKDARPOUR & M. PAKZADEH (Iran)
- 232 Electrochemical stimulation of microbial reductive dechlorination of pentachlorophenol using solid-state redox mediator (humin) immobilization
D. ZHANG, C. ZHANG, Z. LI, D. SUZUKI, D. D. KOMATSU, U. TSUNOGAI & A. KATAYAMA (Japan)

(Continued on inside back cover)

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CONTENTS (continued from outside back cover)

- 254 Effects of inoculum type and bulk dissolved oxygen concentration on achieving partial nitrification by entrapped-cell-based reactors
C. RONGSAYAMANONT, T. LIMPIYAKORN (Thailand) & E. KHAN (USA)
- 264 Biosorption of chromium by alginate extraction products from *Sargassum filipendula*: Investigation of adsorption mechanisms using X-ray photoelectron spectroscopy analysis
C. BERTAGNOLLI (Brazil, France), A. UHART, J.-C. DUPIN (France), M. G. C. DA SILVA (Brazil), E. GUIBAL & J. DESBRIERES (France)
- 285 Forming microbial anodes with acetate addition decreases their capability to treat raw paper mill effluent
S. F. KETEP, A. BERGEL, M. BERTRAND, M. BARAKAT, W. ACHOUAK & E. FOUREST (France)
- 299 Bacteria induced degradation of fluoranthene in minimal salt medium mediated by catabolic enzymes *in vitro* condition
S. MISHRA, S. N. SINGH & V. PANDE (India)
- 309 A novel alternate feeding mode for semi-continuous anaerobic co-digestion of food waste with chicken manure
M. WANG, X. SUN, P. LI, L. YIN, D. LIU, Y. ZHANG, W. LI & G. ZHENG (PR China)
- 315 Modeling the fate of particulate components in aerobic sludge stabilization – Performance limitations
S. ÖZDEMİR, E. U. ÇOKGÖR & D. ORHON (Turkey)
- 338 Microaerobic digestion of sewage sludge on an industrial-pilot scale: The efficiency of biogas desulphurisation under different configurations and the impact of O₂ on the microbial communities
I. RAMOS, R. PÉREZ, M. REINOSO, R. TORIO & M. FDZ-POLANCO (Spain)
- 354 Biodiversity and succession of microbial community in a multi-habitat membrane bioreactor
B. TANG, Z. ZHANG, X. CHEN, L. BIN, S. HUANG, F. FU, H. YANG & C. CHEN (PR China)
- 386 Denitrifying sulfide removal by enriched microbial consortium: Kinetic diagram
D.-J. LEE & B.-T. WONG (Taiwan)

Biofuels and Biorefineries

- 170 Biohydrogen and polyhydroxyalkanoate co-production by *Enterobacter aerogenes* and *Rhodobacter sphaeroides* from *Calophyllum inophyllum* oil cake
A. ARUMUGAM, M. SANDHYA & V. PONNUUSAMI (India)
- 184 Spontaneous modification of graphite anode by anthraquinone-2-sulfonic acid for microbial fuel cells
X. TANG (Singapore), H. LI, Z. DU (China) & H. Y. NG (Singapore)
- 270 Physiological and electrochemical effects of different electron acceptors on bacterial anode respiration in bioelectrochemical systems
Y. YANG, Y. XIANG, C. XIA (China), W.-M. WU (USA), G. SUN & M. XU (China)
- 276 Enhancement of n-butanol production by *in situ* butanol removal using permeating-heating-gas stripping in acetone–butanol–ethanol fermentation
Y. CHEN, H. REN, D. LIU, T. ZHAO, X. SHI, H. CHENG, N. ZHAO, Z. LI, B. LI, H. NIU, W. ZHUANG, J. XIE, X. CHEN, J. WU & H. YING (China)
- 331 Ethanol production from non-detoxified whole slurry of sulfite-pretreated empty fruit bunches at a low cellulase loading
J. CHENG (China, USA), S.-Y. LEU (USA, Hong Kong), J. Y. ZHU & T. W. JEFFRIES (USA)
- 371 Impact of organic loading rate on biohydrogen production in an up-flow anaerobic packed bed reactor (UAnPBR)
A. D. N. FERRAZ JÚNIOR (Brazil, Canada), M. ZAIAT (Brazil), M. GUPTA, E. ELBESHIBSY, H. HAFEZ & G. NAKHLA (Canada)
- 402 Effect of dissolved oxygen on nitrogen and phosphorus removal and electricity production in microbial fuel cell
Q. TAO, J. LUO, J. ZHOU, S. ZHOU, G. LIU, R. ZHANG (PR China)

(Continued on facing page)

CONTENTS (*continued from inside back cover*)

- 408** Enhancement in hydrogen production by thermophilic anaerobic co-digestion of organic fraction of municipal solid waste and sewage sludge – Optimization of treatment conditions
V. K. TYAGI, R. ANGÉRIZ CAMPOY, C. J. ÁLVAREZ-GALLEGO & L. I. ROMERO GARCÍA (Spain)

Biomass and Feedstock Utilization

- 221** Comparative study on two-step concentrated acid hydrolysis for the extraction of sugars from lignocellulosic biomass
Y. P. WIJAYA, R. D. D. PUTRA, V. T. WIDYAYA, J.-M. HA, D. J. SUH & C. S. KIM (Republic of Korea)
- 380** Lignin removal enhancement from prehydrolysis liquor of kraft-based dissolving pulp production by laccase-induced polymerization
Q. WANG (PR China, Canada), M. S. JAHAN (Canada, Bangladesh), S. LIU (PR China, Canada), Q. MIAO (Canada, PR China) & Y. NI (Canada)

Bioprocesses

- 20** A novel flat plate algal bioreactor with horizontal baffles: Structural optimization and cultivation performance
L.-L. WANG, Y. TAO & X.-Z. MAO (PR China)
- 41** Growth and neutral lipid synthesis by *Yarrowia lipolytica* on various carbon substrates under nutrient-sufficient and nutrient-limited conditions
R. SESTRIC, G. MUNCH, N. CICEK, R. SPARLING & D. B. LEVIN (Canada)
- 64** Fermentation of lignocellulosic hydrolyzate using a submerged membrane bioreactor at high dilution rates
P. YLITERVO (Sweden), W. DOYEN (Belgium) & M. J. TAHERZADEH (Sweden)
- 70** A novel cell disruption technique to enhance lipid extraction from microalgae
A. STERITI, R. ROSSI, A. CONCAS & G. CAO (Italy)
- 86** On-line modeling intracellular carbon and energy metabolism of *Nannochloropsis* sp. in nitrogen-repletion and nitrogen-limitation cultures
D. ZHANG, F. YAN, Z. SUN, Q. ZHANG, S. XUE & W. CONG (China)
- 93** Synergistic effects of oleaginous yeast *Rhodotorula glutinis* and microalga *Chlorella vulgaris* for enhancement of biomass and lipid yields
Z. ZHANG, H. JI, G. GONG, X. ZHANG & T. TAN (PR China)
- 100** Isolation of *Paenibacillus glucanolyticus* from pulp mill sources with potential to deconstruct pulping waste
S. L. MATHEWS, J. J. PAWLAK & A. M. GRUNDEN (USA)
- 143** Relative extents of activity loss between enzyme-substrate interactions and combined environmental mechanisms
Z. YE, K. M. HATFIELD & R. E. BERSON (United States)
- 155** Continuous xylose fermentation by *Clostridium acetobutylicum* – Kinetics and energetics issues under acidogenesis conditions
A. PROCENTESE, F. RAGANATI (Italy), G. OLIVIERI (Italy, The Netherlands), M. E. RUSSO, P. SALATINO & A. MARZOCHELLA (Italy)
- 214** The effect of nutrition pattern alteration on *Chlorella pyrenoidosa* growth, lipid biosynthesis-related gene transcription
J. FAN, Y. CUI, Y. ZHOU, M. WAN, W. WANG, J. XIE & Y. LI (PR China)
- 292** Enhanced fermentability of poplar by combination of alkaline peroxide pretreatment and semi-simultaneous saccharification and fermentation
L. ZHANG, T. YOU, L. ZHANG, H. YANG & F. XU (China)
- 323** CO₂ biofixation and carbonic anhydrase activity in *Scenedesmus obliquus* SA1 cultivated in large scale open system
S. BASU, A. S. ROY, K. MOHANTY & A. K. GHOSHAL (India)

(continued on previous page)

CONTENTS (continued from following page)

- 362 Operational stability of naringinase PVA lens-shaped microparticles in batch stirred reactors and mini packed bed reactors-one step closer to industry
M. A. P. NUNES, M. E. ROSA, P. C. B. FERNANDES & M. H. L. RIBEIRO (Portugal)

Microbial Products

- 7 Formate production through carbon dioxide hydrogenation with recombinant whole cell biocatalysts
A. ALISSANDRATOS, H.-K. KIM & C. J. EASTON (Australia)
- 12 Efficient production of pullulan using rice hull hydrolysate by adaptive laboratory evolution of *Aureobasidium pullulans*
D. WANG, X. JU, D. ZHOU & G. WEI (PR China)
- 113 Immobilization of *Actinobacillus succinogenes* by adhesion or entrapment for the production of succinic acid
R. I. CORONA-GONZÁLEZ, R. MIRAMONTES-MURILLO, E. ARRIOLA-GUEVARA, G. GUATEMALA-MORALES, G. TORIZ & C. PELAYO-ORTIZ (Mexico)
- 119 Mixed culture of *Kluyveromyces marxianus* and *Candida krusei* for single-cell protein production and organic load removal from whey
J. S. S. YADAV, J. BEZAWADA, C. M. AJILA, S. YAN, R. D. TYAGI (Canada) & R. Y. SURAMPALLI (USA)
- 241 Economical production of poly(ϵ -L-lysine) and poly(L-diaminopropionic acid) using cane molasses and hydrolysate of streptomyces cells by *Streptomyces albulus* PD-1
J. XIA, Z. XU, H. XU, J. LIANG, S. LI & X. FENG (China)
- 248 A new polymer-based laccase for decolorization of AO7: Long-term storage and mediator reuse
X. ZHANG, B. PAN, B. WU, W. ZHANG & L. LV (PR China)

Physico-Chemical and Thermo-Chemical Processes for Biomass

- 47 Influence of pyrolysis temperature on characteristics and heavy metal adsorptive performance of biochar derived from municipal sewage sludge
T. CHEN, Y. ZHANG, H. WANG, W. LU, Z. ZHOU, Y. ZHANG & L. REN (China)
- 55 Comparative study for hardwood and softwood forest biomass: Chemical characterization, combustion phases and gas and particulate matter emissions
S. S. AMARAL, J. A. DE CARVALHO JUNIOR, M. A. M. COSTA, T. G. S. NETO, R. DELLANI & L. H. S. LEITE (Brazil)
- 106 Sequential hydrothermal fractionation of yeast *Cryptococcus curvatus* biomass
C. MIAO, M. CHAKRABORTY, T. DONG, X. YU, Z. CHI & S. CHEN (United States)
- 128 Effect of pelleting process variables on physical properties and sugar yields of ammonia fiber expansion pretreated corn stover
A. N. HOOVER, J. S. TUMULURU, F. TEYMOURI, J. MOORE & G. GRESHAM (USA)
- 136 Investigation of high pressure steaming (HPS) as a thermal treatment for lipid extraction from *Chlorella vulgaris*
A.-M. AGUIRRE & A. BASSI (Canada)
- 162 Characterization of biocoals and dissolved organic matter phases obtained upon hydrothermal carbonization of brewer's spent grain
J. POERSCHMANN, B. WEINER, H. WEDWITSCHKA, I. BASKYR, R. KOEHLER & F.-D. KOPINKE (Germany)
- 177 Influence of reaction atmosphere and solvent on biochar yield and characteristics
S. MARX, I. CHIYANZU & N. PIYO (South Africa)
- 198 Combination of ultrasonic irradiation with ionic liquid pretreatment for enzymatic hydrolysis of rice straw
C.-Y. YANG & T. J. FANG (Taiwan, ROC)

(continued on previous page)

CONTENTS (*continued from following page*)

- 347 Comparison of steam gasification reactivity of algal and lignocellulosic biomass: Influence of inorganic elements
C. HOGNON, C. DUPONT, M. GRATEAU & F. DELRUE (France)
- 394 Facile pulping of lignocellulosic biomass using choline acetate
F. CHENG (USA, China), H. WANG, G. CHATEL, G. GURAU & R. D. ROGERS (USA)

Short Communications

- 416 Effects of biopretreatment on pyrolysis behaviors of corn stalk by methanogen
T. WANG, X. YE, J. YIN, Q. LU, Z. ZHENG & C. DONG (China)
- 420 Anaerobic co-digestion of dairy cattle manure and pear waste
T. DIAS, R. FRAGOSO & E. DUARTE (Portugal)

Cover figure: Time course of microbial dechlorination of PCP at -500 mV (vs. SHE) in the immobilized system (A), suspended system (B) and open circuit control (C). Arrows indicate when PCP was added to the culture. After 13 d (phase II), the suspended humin was discarded, and the solution medium was renewed in the immobilized system and open circuit control. Vertical bars denote the standard deviations of means. The inset figure (top left in A) shows the microbial dechlorination of PCP in the immobilized system after it had been disconnected from the potentiostat and N₂ gas had been bubbled into the cathode chamber. See the article "Electrochemical stimulation of microbial reductive dechlorination of pentachlorophenol using solid-state redox mediator (humin) immobilization" by D. Zhang et al.