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0		Author Sathyanar	avana N. Gummadi ;	and D. Sunil Kun	har	:: Full Text
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JUMP TO		Abstract: Production of pectic lyases (PL and PGL) from <i>Debaryomyces nepalensis</i> has been optimized in submerged fermentation using Plackett-Burman design and response surface methodology. Four of the eleven fermentation variables (yeast extract, galactose, lemon peel and temperature) tested by Plackett-Burman design showed significant effect on both pectin lyase and pectate lyase production. The four screened variables were further optimized by central				
		composite	composite design. The optimal values of yeast extract, galactose lemon peel powder and temperature for PL production was found to be 1.885, 0.956, 2.39% and 31.5°C and for PGL was at 2.5, 0.55, 2.4% and 32.7°C, respectively. The optimum activities of PL and PGL were found to			
		temperatu at 2.5, 0.				
		be 10.73 PGL produ and PGL enzymes.	and 8.73 U mL ⁻¹ uction, respectivel by yeast <i>Debary</i>	after optimiza y. This is the f omyces nepaler	tion which shows a 2.5 and irst time an optimization w <i>isis</i> . This could be an alte	l 2.9 fold increase in PL and as done for production of PL rnative to fungal pectolytic
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