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- Subject	International Journal of Culture and History ; Vol 9, No 1, Jun 2022 ; PP: 1 44	5				
Physical Chemistry Education & Careers History	Updates to the one-Loop Provider Nlox Computer Physics Communications ; Vol 270, 1 Jan 2022 ; PP: 108150					
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Performing Arts, Travel and.	1000	Brazilian Journal of Biology ; Vol 83, 2023 4					
Ecosystems & Ecology Business Management Finance Applied Mathematics	(12789) (12500) (11726) (11190)	Туре:	Jabeen F; Younis T; Sidra S; Muneer B; Nasreen Z; Saleh F; Mumtaz S; Saeed R F; Abbas A S SJR:0.472; H-Index:53.0 Journal Article				
8	how more	Keywords:	Crab Shells; Chitin; Chitinases; Chitinolytic Bacteria				
+ Authors		Abstract:	Chitin and its derived products have immense economic value due to their vital role in various biological activities as well as biomedical and industrial application. Insects, microorganism and crustaceans are the main supply of chitin but the crustaceans shell like shrimp, krill, lobsters and				
+ Journal			crabs are the main commercial sources. Chitin content of an individual varies depending on the				
+ Ranking			structures possessing the polymer and the species. In this study edible crabs' shells (Callinecte- sapidus) were demineralized and deproteinized resulting in 13.8% (dry weight) chitin recover				
+ Source Index			from chitin wastes. FTIR and XRD analyses of the experimental crude as well as purified chitins				
+ Year			revealed that both were much comparable to the commercially purchased controls. The acie pretreatment ceded 54g of colloidal chitin that resulted in 1080% of the crude chitin. The colloida				
+ Country Of Publication			chitin was exploited for isolation of eighty five chitinolytic bacterial isolates from different sources				
+ Publishers			Zone of clearance was displayed by the thirty five isolates (41.17%) succeeding their growth a pH 7 on colloidal chitin agar medium. Maximum chitinolytic activity i.e. 301.55 U/ml was exhibited by isolate JF70 when cultivated in extracted chitin containing both carbon and nitrogen. The study showed wastes of blue crabs can be utilized for extraction of chitin and isolation of chitinolytic bacteria that can be used to degrade chitin waste, resolve environmental pollution as well as industrial purpose.				
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