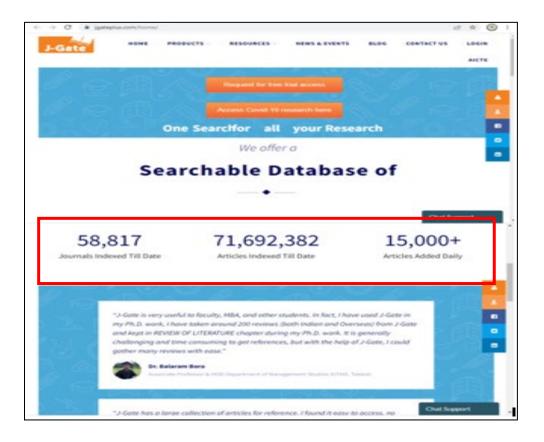
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C Authors	Abstract:	Chitin and its derived products have immense economic value due to their vital role in various biological activities as well as biomedical and industrial application. Insects, microorganism and
+ Authors		crustaceans are the main 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 ( <i>Callinectes sapidus</i> ) were demineralized and deproteinized resulting in 13.8% (dry weight) chitin recovery
+ 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 acid
		pretreatment ceded 54g of colloidal chitin that resulted in 1080% of the crude chitin. The colloidal
+ 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 at 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
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