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Marine Biomaterials. DOI link for Marine Biomaterials. Marine Biomaterials book. ... DOI link for Marine Biomaterials. Marine Biomaterials book. Characterization, Isolation and Applications. Edited By Se-Kwon Kim. Edition 1st Edition . First Published 2013 . eBook Published 11 April 2013 . Pub. location Boca Raton . Imprint CRC Press . DOI ...

Marine Biomaterials - Taylor & Francis Group
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(PDF) Introduction to Marine Biomaterials
Marine biomaterials: characterization, isolation and applications. Book Chapter: Pigmented Marine Heterotrophic Bacteria: Occurrence, Diversity, and Characterization of Pigmentation. 117–148. Google Scholar

Isolation and characterization of flexirubin type pigment ...
We cloned a xylanase gene (xynT) from marine bacterium Echinicola rosea sp. nov. JL3085T and recombinantly expressed it in Escherichia coli BL21. This gene encoded a polypeptide with 379 amino acid residues and a molecular weight of ~43 kDa. Its amino acid sequence shared 45.3% similarity with an endoxylanase from Cellvibrio mixtus that belongs to glycoside hydrolases family 10 (GH10).

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Squid type II collagen as a novel biomaterial: Isolation, characterization, immunogenicity and relieving effect on degenerative osteoarthritis via inhibiting STAT1 signaling in pro-inflammatory macrophages. Collagen from marine organisms has a broad prospect in biomedical field, yet the knowledge on marine-derived type II collagen is rare.

Squid type II collagen as a novel biomaterial: Isolation ...
Swatschek D, Schatton W, Kellermann J, Müller WE, Kreuter J. Marine sponge collagen: isolation, characterization and effects on the skin parameters surface-pH, moisture and sebum. Eur J Pharm ...

(PDF) Marine Collagen: Extraction and Applications
This chapter is the extended chapter of the previous chapters published in the book Biodegradable Materials: Production, properties and applications (2011), Chapter 2, Nova Science Publishers, Inc. and in the book Marine Biomaterials: Characterization, Isolation, and applications (2013), Chapter 4, CRC press, Taylor and Francis Group. This ...

Isolation and Characterization of Chitin and Chitosan from ...
Contents: Introduction to marine biomaterials -- Hydroxyapatite from marine fish bone : isolation and characterization techniques -- Hydroxyapatite and calcium phosphates from marine sources : extraction and characterization -- Isolation and characterization of chitin and chitosan as potential biomaterials -- Structure elucidation and ...

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1. Appl Environ Microbiol. 2020 Feb 18;86(5). pii: e02749-19. doi: 10.1128/AEM.02749-19. Print 2020 Feb 18. Melanin Produced by the Fast-Growing Marine Bacterium Vibrio natriegens through Heterologous Biosynthesis: Characterization and Application.

Melanin Produced by the Fast-Growing Marine Bacterium ...
Therefore, the objective of this book chapter is to prove the potential of tilapia skin as an alternative source of collagen for the elaboration of biomaterials. Additionally to the literature review, experimental results of the extraction and characterization of tilapia skin collagen for use in medical dressings are presented.