# Special Issue

# Marine Biomolecules from Food By-Products: Chitosan and Gelatine

## Message from the Guest Editors

Interest in the recovery of natural polymers from a number of sources has steadily increased over recent years, driven by the environmental problems associated with synthetic plastics. The marine environment harbours a stunning diversity of polymeric materials endowed with a range of properties adequate for a number of applications. Because marine organisms are for the most part destined to human consumption, the most logical approach is to integrate valorisation of by-products generated by the fishing and associated food industry into current industrial processes. With this perspective, chitosan and gelatine stand out as two prominent biomolecules that can be obtained from fish by-products. This Special Issue aims at covering a holistic approach to gelatine and chitosan from marine food by-products, from novel isolation processes and characterization of biomolecules from new sources, to chemical modifications to suit particular applications, including also performance in specific applications of both native and chemically-modified gelatine and chitosan. Research paper and reviews are welcome.

## Guest Editors

Dr. Jesus Valcarcel

Group of Recycling and Valorisation of Waste Materials (REVAL), Marine Research Institute (IIM-CSIC), Eduardo Cabello, 36208 Vigo, Spain

Dr. Carolina Hermida Merino

Circunvalación ao Campus Universitario, University of Vigo, 36310 Vigo, Pontevedra, Spain

## Deadline for manuscript submissions

closed (15 February 2022)

**Polymers**

**an Open Access Journal by MDPI**

**Impact Factor 4.9**
**CiteScore 9.7**
**Indexed in PubMed**

mdpi.com/si/72909

*Polymers*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

# Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

# About the Journal

## Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

## Editor-in-Chief

Prof. Dr. Alexander Böker
Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

## Author Benefits

**Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:**

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry )

MDPI