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| Nota di contenuto | Seaweed bio-resources and bioactive seaweed substances / Yimin Qin -- Bioactive seaweed substances / Aikaterini Koutsaviti, Efstathia Ioannou, and Vassilios Roussis -- Production of seaweed-derived food hydrocolloids / Yimin Qin -- Seaweed-derived sulfated polysaccharides : scopes and challenges in implication in health care / Seema Patel -- Seaweed-derived carotenoids / Ratih Pangestuti and Evi A. Siahaan -- Application of bioactive seaweed substances in functional food products / Yimin Qin -- Seaweed hydrocolloids as thickening, gelling, and emulsifying agents in functional food products / Yimin Qin -- Seaweed-derived hydrocolloids as food coating and encapsulation agents / Demeng Zhang, Mengxue Zhang, and Xiaoxiao Gu -- Health benefits of bioactive seaweed substances / Yimin Qin -- Antioxidant properties of seaweed-derived substances / Ditte B. Hermund -- Fucoidan and its health benefits / Peili Shen, Zongmei Yin, Guiyan Qu, and Chunxia Wang -- Antiobesity, antidiabetic, antioxidative, and antihyperlipidemic activities of bioactive seaweed substances / Zhanyi Sun, Zengying Dai, Wenchao Zhang, Suqin Fan, Haiyan Liu, Ranran Liu, and Ting Zhao -- Absorption of heavy metal ions by alginate / Lili Zhao, Jue Wang, Pengpeng Zhang, Qiaoqiao Gu, and Chuancai Gao -- |

Sommario/riassunto

"Bioactive Seaweed Substances for Functional Food Applications: Natural Ingredients for Healthy Diets presents various types of bioactive seaweed substances and introduces their applications in functional food products. Presenting summaries of the substances derived from seaweed, this book systematically explores new ingredients and the bioactive substances that are both environmentally friendly and highly beneficial to human health. This evidence-based resource offers an abundance of information on the applications of seaweed as a solution to meet an increasing global demand for sustainable food sources. It is an essential reference for anyone involved in seaweed substance research, seaweed processing, and food and health disciplines"--
Publisher's website
