



catalysts



an Open Access Journal by MDPI

Biocatalysts for Sustainable Processing: Special Focus on Enzymatic Catalysis in the Food Industry

Guest Editors:

Dr. Ezequiel Coscueta

Escola Superior de Biotecnologia
da Universidade Católica
Portuguesa, 4169-005 Porto,
Portugal

Dr. Manuela Pintado

Escola Superior de
Biotecnologia, Universidade
Católica Portuguesa, 4169-005
Porto, Portugal

Deadline for manuscript
submissions:

closed (20 March 2022)

Message from the Guest Editors

Dear Colleagues,

Enzymes have unsurpassed physicochemical, biological and biocatalytic functionalities, allowing biocatalysis with selectivity and specificity in the conversion of raw materials. For this reason, the food industry has taken advantage of enzymes as green catalysts to extract bioactive substances, improve sensory, taste, and texture properties, produce nutrient-rich foods, and eliminate food safety hazards. Enzymes offer several benefits over traditional catalytic agents with respect to process efficiency, sustainability, reuse, and cost–benefit ratio.

With a central focus on the food industry, this Special Issue seeks to explore emerging challenges, opportunities, trends, and approaches in the development of biocatalytic procedures, as well as the enzymatic engineering of innovative biocatalysts.

Dr. Ezequiel Coscueta
Prof. Dr. Manuela Pintado
Guest Editors



mdpi.com/si/93759

Special Issue