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Autore	Fouillaud Mireille
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Nota di contenuto	Production and New Extraction Method of Polyketide Red Pigments Produced by Ascomycetous Fungi from Terrestrial and Marine Habitats -- Biodiversity of Pigmented Fungi Isolated from Marine Environment in La -- Reunion Island, Indian Ocean: New Resources for Colored Metabolites -- Combinatorial Biosynthesis of Novel Multi-Hydroxy Carotenoids in the Red -- Yeast Xanthophyllomyces dendrorhous -- Carotenoid Biosynthesis in Fusarium -- Biosynthesis of Astaxanthin as a Main Carotenoid in the Heterobasidiomycetous -- Yeast Xanthophyllomyces dendrorhous -- Microscopic Analysis of Pigments Extracted from Spalting Fungi -- Perstraction of Intracellular Pigments through Submerged Fermentation of -- Talaromyces spp. in a Surfactant Rich Media: A Novel Approach for Enhanced -- Pigment Recovery -- Utilization of High Performance Liquid Chromatography Coupled to Tandem Mass -- Spectrometry for Characterization of 8-O-methylbostrycoidin Production by -- Species of the Fungus Fusarium -- Assessment of the Dyeing Properties of the Pigments Produced by Talaromyces spp.
Sommario/riassunto	With the impact of globalization in research trends, the search for healthier life styles, the increasing public demand for natural, organic, and 'clean labelled' products, as well as the growing global market for natural colorants in economically fast-growing countries all over the

world, filamentous fungi started to be investigated as readily available sources of chemically diverse pigments and colorants. For all of these reasons, this special issue of Journal of Fungi will highlight exciting findings, which may pave the way for alternative and/or additional biotechnological processes for industrial applications of fungal pigments and colorants. Research papers and reviews about the fungal biodiversity from terrestrial and marine origins are welcome, bringing new elements about fungi as potential sources of well-known carotenoid pigments (e.g. beta-carotene, lycopene) and other specific pigmented polyketide molecules, such as Monascus and Monascus-like azaphilones, which are yet not known to be biosynthesized by any other organisms like higher plants. These polyketide pigments also include promising, and unexplored hydroxy-anthraquinoid colorants from Ascomycetous species. The investigation of biosynthetic pathways of the carotenoids and polyketide-derivative colored molecules (i.e. azaphilones, hydroxyanthraquinones, and naphthoquinones) in pigment-producing fungal species could bring some articles. Contributions about alternative greener extraction processes of the fungal colored compounds, along with current industrial applications, description of their limits and further opportunities for the use of fungal pigments in beverage, food, pharmaceutical, cosmetic, textile and painting areas will also be part of this special issue.
