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Nota di contenuto	About the Special Issue Editor -- Preface to "Biological Activity of Natural Secondary Metabolite Products" -- Tapirira guianensis Aubl. Extracts Inhibit Proliferation and Migration of Oral Cancer Cells Lines -- Berberine Suppresses Cyclin D1 Expression through Proteasomal Degradation in Human Hepatoma Cells -- The Antiproliferative Effect of Chakasaponins I and II, Floratheasaponin A, and Epigallocatechin 3-O-Gallate Isolated from Camellia sinensis on Human Digestive Tract Carcinoma Cell Lines -- Hepatoprotective Effect of Cuscuta campestris Yunck. Whole Plant on Carbon Tetrachloride Induced Chronic Liver Injury in Mice -- Chemical Composition and Antioxidant Activity of Euterpe oleracea Roots and Leaflets -- New Abietane and Kaurane Type Diterpenoids from the Stems of Tripterygium regelii -- Affinin (Spilanthol), Isolated from Heliopsis longipes, Induces Vasodilation via Activation of Gasotransmitters and Prostacyclin Signaling Pathways -- Polyphenolic Extract of Euphorbia supina Attenuates Manganese-Induced Neurotoxicity by Enhancing Antioxidant Activity through Regulation of ER Stress and ER Stress-Mediated Apoptosis -- Phytochemical Analysis of Agrimonia pilosa Ledeb, Its Antioxidant Activity and Aldose Reductase Inhibitory Potential -- Hazelnut (Corylus avellana L.) Shells Extract: Phenolic Composition, Antioxidant Effect and

Cytotoxic Activity on Human Cancer Cell Lines -- Quantitative Determination of Stilbenoids and Dihydroisocoumarins in Shorea roxburghii and Evaluation of Their Hepatoprotective Activity -- Vanillin Suppresses Cell Motility by Inhibiting STAT3-Mediated HIF-1a mRNA Expression in Malignant Melanoma Cells -- Hepatoprotective Effects of Nicotiflorin from Nymphaea candida against Concanavalin A-Induced and D-Galactosamine-Induced Liver Injury in Mice -- Profile of Polyphenol Compounds of Five Muscadine Grapes Cultivated in the United States and in Newly Adapted Locations in China -- Understanding the Effectiveness of Natural Compound Mixtures in Cancer through Their Molecular Mode of Action -- Assessment of Antioxidant and Cytoprotective Potential of Jatropha (Jatropha curcas) Grown in Southern Italy -- Biosynthesis of a-Glucosidase Inhibitors by a Newly Isolated Bacterium, Paenibacillus sp. TKU042 and Its Effect on Reducing Plasma Glucose in a Mouse Model -- Wedelolactone Acts as Proteasome Inhibitor in Breast Cancer Cells -- Acteoside and Isoacteoside Protect Amyloid ß Peptide Induced Cytotoxicity, Cognitive Deficit and Neurochemical Disturbances In Vitro and In Vivo -- Cultivar-Specific Changes in Primary and Secondary Metabolites in Pak Choi (Brassica Rapa, Chinensis Group) by Methyl Jasmonate -- In Vitro Evaluation of the Antioxidant, Cytoprotective, and Antimicrobial Properties of Essential Oil from Pistacia vera L. Variety Bronte Hull -- Antibacterial and Antifungal Activities of Spices -- Fucaceae: A Source of Bioactive Phlorotannins -- Hepatoprotective Role of Hydrangea macrophylla against Sodium Arsenite-Induced Mitochondrial-Dependent Oxidative Stress via the Inhibition of MAPK/Caspase-3 Pathways -- The Alternaria alternata Mycotoxin Alternariol Suppresses Lipopolysaccharide-Induced Inflammation -- Immuno-Modulatory and Anti-Inflammatory Effects of Dihydrogracilin A, a Terpene Derived from the Marine Sponge Dendrilla membranosa.

Sommario/riassunto

Natural secondary metabolite products, which are isolated from plants, animals, microorganisms, etc., are classified as polyketides, isoprenoids, aromatics (phenylpropanoids), alkaloids, etc. Their chemical diversity and variety of biological activities have attracted the attention of chemists, biochemists, biologists, etc. The Special Issue on "Biological Activity of Natural Secondary Metabolite Products" is intended to offer biological active natural products as candidates and/or leads for pharmaceuticals, dietary supplements, functional foods, cosmetics, food additives, etc. The research fields of this Special Issue include natural products chemistry, phytochemistry, pharmacognosy, food chemistry, bioorganic synthetic chemistry, chemical biology, molecular biology, molecular pharmacology, and other related research fields of bioactive natural secondary metabolite products. Original research and review articles on all topics in these research fields are invited. I am looking forward to receiving many submissions from outstanding experts in these research fields.