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# **Production of Secondary Metabolites In Vitro**

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### Message from the Guest Editors

Secondary plant metabolites are not essential to plant growth, but are required for the plant to survive in its environment. They are produced in small amounts, usually have very complicated structures and often accumulate in specialized tissues. Secondary metabolites are used as especially chemicals such as drugs, flavours, fragrances, insecticides, and dyes and thus have a great economic Deadline for manuscript value. Plants, such as medicinal/aromatic plants (MAPs) contain various secondary metabolites (e.g. alkaloids, closed (20 March 2023) flavonoids, glycosides, phenols, saponins), in their tissues, commercially valuable. An alternative to agricultural processes for producing secondary metabolites, is the in *vitro* culture. running in controlled environment. independently from climate and soil conditions. It is still in its infancy the knowledge of biosynthetic pathways of phytochemicals and desired phytochemicals in plants. This Special Issue of *Plants* will highlight the significance, function, complexity and potential applications of secondary metabolites that are produced in vitro and will suggest strategies to improve the in vitro production of secondary metabolites.









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### Message from the Editor-in-Chief

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