**INSTYTUT BOTANIKI im. WŁADYSŁAWA SZAFERA**
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Kraków .30.06.2021

# LETTER OF INTENT

**Concern:** Cooperation within EIC Accelerator Open 2021

To whom it may concern.

Research and Development Centre "ALCOR" Ltd.
Ul. Kępska 12,
45-130 Opole
Poland

We hereby confirm that if your project **Development of new technology for permanent soil aeration in the close vicinity of urban trees - Soil Ventylation Ducts (SVD)** receive funding from the European Union we would like to participate in research and tests of your SVD system to protect selected trees. If the project will be positively assessed we will designate test areas where the system can be applied and check under our supervision. All costs related to assembly, disassembly and maintenance of the system will be covered by the applicant (Research and Development Centre "ALCOR" ltd.).

The idea of tree recovery from harmful effect of compacted soil connected with ecological management of cardboard waste is very important issue facing the problem of excessive production in this type of waste and what is crucial follows the idea of circular economy. The W. Szafer Institute of Botany, Polish Academy of Sciences, conducts research on the spatial and temporal dynamics of the functioning of ecosystems under the conditions of increasing human pressure in the Anthropocene. It is actively involved in the search for solutions to prevent the negative effects of the functioning of plants, including trees, in the conditions of the current climate warming and highly fragmented (mosaic), artificial/semi-natural ecosystems that characterize the cultural landscape, especially the urban one, shaped mainly by human activity.

The Institute has the resources necessary to implement the project. The institute's employees dealing with the soil environment have experience in the investigation of the rate of decomposition of organic materials and associated biological processes, including the activity of microorganisms and enzymes that may affect the stability of cellulose cores tested in this project. Furthermore, the employees also specialize in the statistical analysis of collected data. The Institute has extensive laboratory facilities enabling chemical, physical, and biological analyzes of organic materials, including the tested cellulose cores, with the use of, for example, spectrophotometry and chromatography.

The Institute has successes in the implementation of research projects financed from national and international sources (www.botany.pl). Moreover, the award of the HR Excellence in Researcgh logo obtained by IB PAS in 2017 confirms the Institute's commitment to creating a friendly work environment and conducting research in accordance with international professional standards.

With Kind Regards

DYREKTOR
Instytutu Botaniki im. W. Szafera
Polskiej Akademii Nauk
Śliwa
*Prof. dr hab. Lucyna Śliwa*