
Smart Fertilizers

Project name and registration number:

Smart Fertilizers
FV40095

Operational programme, areas of assistance, provider:

TRIO Programme, assistance for research, development and innovation, Ministry of Industry and Trade

Applicant:

NAFIGATE Corporation

Partners:

Institute of Microbiology of the CAS, v. v. i., University of Chemistry and Technology in Prague – Faculty of Food and Biochemical Technology, Brno University of Technology – Faculty of Chemistry

NAFIGATE Corporation in cooperation with the Institute of Microbiology of the CAS, the University of Chemistry and Technology in Prague and the Brno University of Technology implements the project “Development of new base material founded on Hydal PHA as a replacement for microplastics” from 1.4. 2019 to 31.12. 2021.

The goal of the Smart Fertilizers project is to take advantage of the opportunities provided by the new production process of Hydal biotechnology, namely:

- To verify the technology for processing biomass from the production process used for the production of organic fertilizers.
- To verify the technology for processing waste phosphorous as a raw material for smart fertilizers
- To verify the technology of so-called “coating” – i.e. the coating of fertilizers with a biodegradable film of PHA for a controlled release of fertilizer.

We are operating in this new area with our long-term research partners - The Institute of Microbiology of the CAS, The University of Chemistry and Technology in Prague and The Brno University of Technology. Our common goal is to develop a new generation of Smart Fertilizers founded on Czech Hydal technology.

