Co-financed by Greece and the European Union

Development of a textile with Silica coating for environmental friendly control of insects in agricultural production

Deliverable [9]: *[Batches of coated fibres]*

This project is co-financed by the European Union and Greek national funds through the bilateral Greece-Germany S & T Cooperation Program, Competitiveness, Entrepreneurship & Innovation (EPANEK) (project code: T2DGE-0120).

The deliverable is available upon request

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Project Details:

Programme: **bilateral Greece-Germany S & T Cooperation Program, Competitiveness, Entrepreneurship & Innovation**

Call topic: **Agrofood**

Project Title: **Development of a textile with Silica coating for environmental friendly control of insects in agricultural production**

Project Acronym: **AgriTExSil**

Proposal Number: **T2DGE-0120**

Time Frame: **29/05/2018 – 28/08/2022**

Deliverable Details

WP: [3 Coating of fibres]

Task(s): [3.3]: [Plasma coatings]

Deliverable Title: [Batches of coated fibres]

Lead beneficiary: [P&S]

Involved Partners: [P&S]

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1. Summary

In this deliverable, the P&S investigated different shapes of monofilaments for the maximum deposition rate of the silica particles. By the new knowledge, that the weaving of coated filaments is practically impossible, because they become abrasive, this part has been shortened.
The focus was now the deposition depending on the shape of the filament. On the production of large quantities of monolilaments for fabrics was waived.
The ITA prepared filaments with round, quadrangular and X shape. The P&S coated these samples with the smallest silica quality S200 and the founded standard parameters for the CPPD.