



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 [2]: *[Interim Report Y1]*

Version 1.0: first version delivered on 28-05-2019

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 (EPAN EK) (project code: T2DGE_0120).



Co-financed by Greece and the European Union

Project Details:

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

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: [WP1-Management and coordination]

Task: [T1.3]: [Yearly reports]

Deliverable Title: [First year report reporting progress/findings of the project]

Deliverable type: Report, Confidential, only for members of the consortium (including the Commission Services)

Lead beneficiary: [University of Thessaly]

Involved Partners: [UTH, ThraceNG, ITA, P&S]

Deadline for delivery: month [12], [28/05/2019]

Date of delivery: [28/05/2019]

Abbreviations:

ITA: Institut für Textiltechnik, Germany

UTH: University of Thessaly, Greece

ThraceNG: Thrace Nonwovens & Geosynthetics S.A.

P&S: Powder and Surface GmbH

Table of Contents

1. Summary.....	3
2. Planned activities during the first 12 months.....	4
2.1 WP1: Management and coordination (WP Leader: ITA).....	4
2.2 WP2: Melt spinning of fibres for agrotexiles (WP Leader: ITA)	4
2.3 WP3: Coating of fibres (WP Leader: P&S).....	5
2.4 WP4: Textile prototyping (WP Leader: Thrace)	6
2.5 WP5: Development of a Textile coating process (WP Leader: P&S)	6
2.6 WP6: Large scale fabrication of coated textiles (WP Leader: Thrace).....	7
2.7 WP7: Textile evaluation (WP Leader: UTH)	7
2.8 WP8: Dissemination (WP Leader: Thrace)	7
3. Performed activities.....	9
3.1 WP1: Management and coordination (WP Leader: ITA).....	9
3.2 WP2: Melt spinning of fibres for agrotexiles (WP Leader: ITA)	13
3.3 WP3: Coating of fibres (WP Leader: P&S).....	15
3.4 WP4: Textile prototyping (WP Leader: Thrace)	18
3.5 WP5: Development of a Textile coating process (WP Leader: P&S)	19
3.6 WP6: Large scale fabrication of coated textiles (WP Leader: Thrace).....	20
3.7 WP7: Textile evaluation (WP Leader: UTH)	20
3.8 WP8: Dissemination (WP Leader: Thrace)	20

List of Figures

Figure 1. Agenda of the meeting held at P&S and ITA facilities in Germany during March 2018.....	9
Figure 2. Meeting to P&S (above) and ITA (below) facilities during 27 th and 28 th of March 2018, respectively.....	10
Figure 3. Agenda of the meeting held at ThraceNG facilities in Xanthi during July 2018.....	11
Figure 4. Photos from the meeting to ThraceNG facilities (Left: factory, right: greenhouses) during the 9 th of July.....	12
Figure 5. Agritexsil Project Facebook page Screenshot.....	21
Figure 6. Participation of UTH (Nikolaos Katsoulas) to the ISHS XI International Symposium on Protected Cultivation in Mild Winter Climates & I International Symposium on Nettings and Screens in Horticulture held in Tenerife, Spain between January 27, 2019 and January 31, 2019.....	24



Co-financed by Greece and the European Union

1. Summary

This interim report presents the activities of the AgriTexSil project performed during the first 12 months, i.e. the period from 29-05-2018 to 28-05-2019. According to the project schedule, tasks from several WPs took place during the above mentioned period, and the activities performed are summarised herein. In the following sections of the report, the planned and performed activities of the project during the first year are presented. The detailed description of the activities performed is given in the relevant deliverables. All scheduled tasks were performed on time and efficiently.

The full text of the deliverables due during the above reporting period are available upon request and a summary of each one is given on the webpage of the project (www.agritexsil.eu)



Co-financed by Greece and the European Union

The deliverable is available upon request

Please send e-mail to the project coordinator: nkatsoul@uth.gr

D [10]: [Data of the fiber's characterization]

