



D6.3 Report on dissemination and outreach activities

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Version: M21



The research project was supported by the Hellenic Foundation for Research and Innovation (H.F.R.I.) under the "1st Call for H.F.R.I. Research Projects to support Faculty Members & Researchers and the Procurement of High-and the procurement of high-cost research equipment grant" (Project Number: 50).



Beneficial Microbes to Optimize pest control in Sustainable Tomato production

BeMOST

HFRI-FM17-50

Category	Category I
Scientific area:	Agricultural Sciences – Food Science & Technology
Principal Investigator (PI):	Maria Pappa
Host Institution:	Democritus University of Thrace
Cooperative Organizations:	1. University of Thessaly 2. University Hohenheim 3. German Centre for Integrative Biodiversity Research
Project duration:	42 months (08/01/2020-07/07/2023)

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Deliverable:	D6.3
Work Package	WP6. Dissemination and Communication
Month of Delivery:	M18, M30, M42
Dissemination Level:	Public
Version:	M18: 100%



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Summary

D6.2 is a deliverable of WP6 which objectives are:

6.1. To develop and implement the plans for effective dissemination of the project, its activities and results employing a range of communication and dissemination tools;

6.2. To raise public awareness in the project aims and results;

6.3. To coordinate communication activities aiming at the scientific community and stakeholders.

In the context of the WP6 objectives, the present version of D6.3 presents the dissemination and communication activities of the project from M1 to date.

Dissemination activities

During the period of the report, BeMOST members contributed to the publication of one book chapter.

Publication #1	
Title	Pappas M.L., P. Baptista, G.D. Broufas, A. Dalakouras, W. Djobbi, V. Flors, M. Msaad Guerfali, S. Khayi, R. Mentag, V. Pastor, J.A. Pereira, P. Sánchez-Bel, K. Papadopoulou (2020). Biological and Molecular Control Tools in Plant Defense. In "Plant Defence: Biological Control", Eds Jean-Michel Mérillon and Kishan Gopal Ramawat. Springer, 3-43.
Dates	21/10/2020
Type	Book chapter

Also, during the reporting period we started drafting the following three manuscripts which are in the process to be submitted.

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Publication #2	
Title	Pappas M.L., Mourtiadou S., Arampatzis Th., Kakagianni M., Feka M., Samaras K., França F., Wäckers F., Papadopoulou K. & Broufas G.D. Beneficial microbes against spider mites in tomato (e.g. <i>Journal of Pest Science</i>)
Dates	To be submitted
Type	Journal article

Publication #3	
Title	Arampatzis Th., Mourtiadou S., Zamioudis C., Papadopoulou K., Broufas G.D. & Pappas M.L. Plant-mediated effects of soil bacteria against thrips, whiteflies, aphids and <i>Tuta absoluta</i> in tomato (e.g. <i>Pest Management Science</i>)
Dates	To be submitted
Type	Journal article

Publication #4	
Title	Mourtiadou S., Arampatzis Th., Kakagianni M., Feka M., Broufas G.D., Papadopoulou K. & Pappas M.L. Plant-mediated effects of soil fungi against thrips, whiteflies, aphids and <i>Tuta absoluta</i> in tomato (e.g. <i>Frontiers in Plant Science</i>)
Dates	To be submitted
Type	Journal article

During the pandemic period, BeMOST participated in one online scientific conference.

Conference #1	Entomology 2020
Title	Mourtiadou S., Arampatzis T., Kakagianni M., Feka M., Papadopoulou K., Broufas G. & Pappas M. L. (2020). Plant-mediated effects of beneficial soil microbes against arthropod pests. Entomology 2020 Virtual Annual Meeting, Entomological Society of America (ESA).
Dates	11-25/11/2020
Type	Oral presentation
Place	Online

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A second abstract was accepted to an IOBC congress that was eventually postponed to 2023.

Conference #2	IOBC Integrated control in protected crops, Temperate and Mediterranean climate
Title	Pappas M. L. (2020). Beneficial soil microbes and zoophytophagous predators as plant 'vaccination' agents against arthropod pests.
Dates	28-31/08/2023
Type	Oral presentation
Place	Brest, France

In addition, one more abstract that has been accepted to be presented to the British Ecological Society Ecology Across Borders 2021, is listed below.

Conference #3	BES Annual Meeting 2021
Title	Samaras K., Ntalia P., Mourtziadou S., Arampatzis T., Broufas G. & M.L. Pappas (2021). The hidden role of beneficial soil microbes against spider mites, whiteflies and thrips in tomato.
Dates	12-15/12/2021
Type	Poster
Place	Liverpool, UK & Online

Communication activities

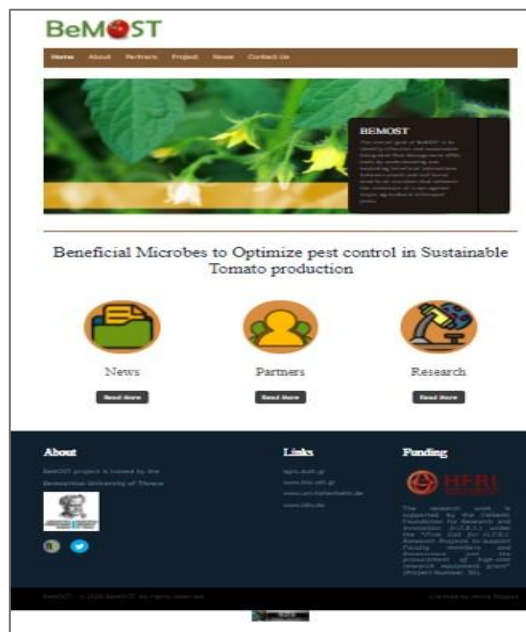
During the reporting period, BeMOST communication activities include the development of the project's website and logo as well as social media pages.

BeMOST Website & Logo

The project's website (<https://bemost.agro.duth.gr>) is available since month 3. It is hosted by Democritus University of Thrace server and updated by the PI.

The main page (print screen below) provides direct access to the News, Partners description and Research activities. HFRI funding is acknowledged in a prominent position, links to partners Institutions, the project's logo and icons to the social media accounts are provided in all pages.

The main menu provides access to the general aims and objectives of the project ('About'), to the different partners of the research team ('Partners'), to the WP, deliverables and dissemination activities ('Project') and to the project's news ('News'). In addition, the website includes



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a contact form that is connected to the project's email address. Hits (i.e., visits to separate pages) are recorded. To date, 4015 visits to the main page from different countries have been recorded.

The project's logo (see in the right) was created during the first month of the project. It features the project's acronym and the tomato fruit. It is placed on the project's website and social media pages. In addition, it is used in all documents of the project (vacancy announcements, letters etc.).



Announcement of partners webpages

The launch of the project's website was announced on the 'News' section of the Molecular Interaction Ecology group at iDiv:

<https://www.idiv.de/en/groups-and-people/core-groups/molecular-interaction-ecology/news/mie-news-single-view/1687.html>

and below:

The screenshot shows a news article on the iDiv website. The header includes the iDiv logo and the text 'German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig'. A search bar and language options (de | en) are visible. The main navigation bar lists 'About iDiv | Research | Groups and People | Science-Policy | sDiv Synthesis Centre | yDiv | News | Events'. The article is dated '30.03.2020 | MIE Group News' and is titled 'BeMOST website online'. It features a small image showing a diagram of crop-microbe interactions. The text of the article states: 'The BeMOST project lead by [Maria Pappas](#) (Democritus University of Thrace) published its [website](#). This collaborative research project is funded by Hellenic Foundation for Research and Innovation (H.F.R.I.). The Greek-German BeMOST consortium aims to identify effective and sustainable pest management (IPM) tools by exploiting interactions between crops and soil-borne beneficial microbes. MIE member [Alexander Weinholt](#) contributes to the success of this project with his expertise in volatile analyses.' Below the article is a 'back to News' link. At the bottom, it says 'iDiv is a research centre of the DFG Deutsche Forschungsgemeinschaft' and provides social media sharing options for Facebook, Twitter, LinkedIn, and a general share icon.



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In addition, BeMOST is included in the webpage of our partner from the University of Hohenheim, under the 'Projects' section:

https://botanik.uni-hohenheim.de/en/molecular-botany_projects



Social Media

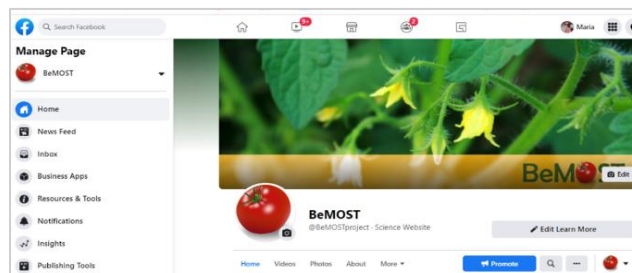
Dissemination and communication with the scientific community and the general public are also performed by means of social media (Twitter and Facebook) accounts. The PI is the administrator of BeMOST social media accounts that are updated regularly to raise awareness about the project itself but also about scientific advancements and environmental challenges.

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Social media are used to announce publications, project news and partners achievements and participation to conferences. A dedicated Twitter page (https://twitter.com/BeMOST_project) has been created that is regularly updated by the PI. Currently, it has 125 Followers and has hosted more than 70 posts.

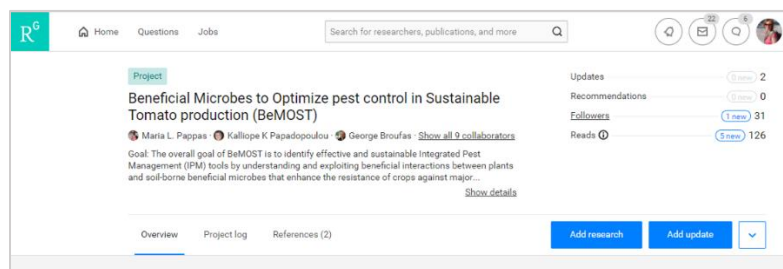


BeMOST runs a Facebook page (<https://www.facebook.com/BeMOSTproject>) with the aim to communicate the project's news and outcomes in English and Greek.



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A ResearchGate page (<https://www.researchgate.net/project/Beneficial-Microbes-to-Optimize-pest-control-in-Sustainable-Tomato-production-BeMOST>) has been created to disseminate the project's scientific publications.



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BeMOST participates in the Dissemination and Communication activities of HFRI with regard to the '1st Call for H.F.R.I. Research Projects to support Faculty Members & Researchers and the Procurement of High-and the procurement of high-cost research equipment grant'

<https://www.elidek.gr/ereynitika-erga-melon-dep-ereyniton-trion/meli-dep/e-p-4-geoponikes-epistimes-kai-trofima/>



Delays & Difficulties

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Main delays and difficulties faced during the project are related to the covid-19 pandemic, the travel restrictions and the cancellation or postponement of physical conferences. In addition, because of the pandemic, planning and organizing any physical meeting was not possible. Depending on the pandemic development, we expect to be able to participate to physical conferences, organize meetings and seminars and actively engage in communication activities.