

COST ACTION CA 15223/2016 - "Modifying plants to produce interfering RNA"

Conectarea SCDP Bistrița la rețele de cercetare internațională și dezvoltarea unor colaborări pe linie științifică cu instituții care abordează cercetări privind utilizarea mecanismului de silențiere genică în blocarea replicării virale

<https://www.cost.eu/actions/CA15223/>

Participări la întâlniri periodice și conferințe organizate în cadrul proiectului:

Participare cu prezentări în plen / invited speaker la:

- „First iPLANTA Conference – Plant RNAi Research Network”

- “8th Meeting of the International Organization for Biological Control -WPRS WG GMO”

- 3rd iPLANTA Conference ‘*What future for RNAi-based products: RNAi modified plants or spray products*’.

- Conference “*Manufacturing and Formulation of RNAi to create stable, effective products: involvement of the industries*”

- 4th iPLANTA Conference ‘*Contribution of RNA to sustainable agriculture, food safety and security*’

iPLANTA Webinar 4: RNAi plant technology - *Honey Sweet: a RNAi based PPV resistant plum*

Evidențierea robusteții mbunătățirea cunoștințelor privind utilizarea mecanismului de silențiere genică în blocarea replicării virale.

Articole/ lucrări publicate/ susținute în cadrul proiectului:

1. Ravelonandro, M., Briard, P., Ralph, S., Callahan, A., Zagrai, I., Kundu, J.K., Dardick, C. 2021. **Robust Response to Plum pox virus Infection via Plant Biotechnology.** *Genes*, 12, 816: 1-14. <https://doi.org/10.3390/genes12060816>.
2. Zagrai, L., I. Zagrai, 2020. **Further evidence of durable resistance in HoneySweet transgenic plum under natural infection with D and Rec strains of Plum pox virus.** COST ACTION CA 15223, iPLANTA. “4th iPLANTA Conference: *Contribution of RNA to sustainable agriculture, food safety and security*”, Atena, 26-28 februarie 2020. Prezentare oral. Book of Abstract, pg. 35.
3. Zagrai, I., L.A. Zagrai, M. Ravelonandro, R. Scorza, A. Callahan, C. Dardick, 2020. **A new approach of using RNAi against Plum pox virus: from HoneySweet transgenic plum to male sterile hybrids.** COST ACTION CA 15223, iPLANTA. “4th iPLANTA Conference: *Contribution of RNA to sustainable agriculture, food safety and security*”, Atena, 26-28 februarie 2020. Book of Abstract, pg. 36.
4. Zagrai I., L. Zagrai, M. Ravelonandro, R. Scorza, O. Bobis, N. Minoiu, 2019. **Overview on long term field trials of the first RNAi genetically modified plum resistant to plum pox virus in Romania**”, Book of abstract Conference “*Manufacturing and Formulation of RNAi to create stable, effective products: involvement of the industries*”. Barcelona, Spania, 10-13/09/2019
5. Zagrai, L.A., I. Zagrai, R. Scorza, M. Ravelonandro, G. Guzu. 2019. **HoneySweet - a RNAi based transgenic plum adapted to the PPV endemic and ecological condition from Romania.** Book of Abstract 2nd iPLANTA Conference, ITQB Nova-Oerias, Lisabona, Portugalia, 27 feb.-01 mar. 2019. Prezentare oral.
6. Zagrai, I., L.A. Zagrai, M. Ravelonandro, R. Scorza, G. Guzu. 2019. **Assessment of the diversity and dynamics of aphid population and bees preferences for transgenic and conventional plums.** Book of Abstract 2nd iPLANTA Conference, ITQB Nova-Oerias, Lisabona, Portugalia, 27 feb.-01 mar. 2019.