

## ΓΕΝΙΚΑ ΘΕΜΑΤΑ

### Μέτα - ανάλυση: Μια καινοτόμος μεθοδολογία

### Για την κατανόηση της αλληλεπίδρασης ζιζανίων, καλλιεργειών και κλιματικής αλλαγής

#### Βιβλιογραφία

- Ainsworth E.A. and S.P. Long (2020). 30 years of free-air carbon dioxide enrichment (FACE): What have we learned about future crop productivity and its potential for adaptation? *Glob Change Biol.* , 1-23
- Bishop K.A., et.al. (2014) How seasonal temperature or water inputs affect the relevant response of C3 crops to elevated CO<sub>2</sub> : a global analysis of Open Top Chamber and free air CO<sub>2</sub> enrichment studies. *Food and Energy Security*, 3(1) : 33-45
- Borenstein M. , et al. (2010). A basic introduction to fixed-effect and random-effect models for meta-analysis. *Research Synthesis Methods*, 1:97-111
- Fang X., et.al. (2021). Overview of meta-analysis. *Ibrain* 7(1): 52-56
- Eguchi N., et.al. (2005). CO<sub>2</sub> Fumigation System for the Prediction of the State of Forests in the Future: Free Air CO<sub>2</sub> Enrichment Experiment in Northern Japa, *VAISALA News*, 15-16
- Gurevitch J., et.al. (2018). Meta-analysis and the science of research synthesis, *Nature*, 555:175-182
- Hansen C., et.al. (2022). How to conduct a meta-analysis in eight steps : a practical guide . *Management Review Quarterly*, 72:1-19
- Koricheva J. and J. Gurevitch ( 2014). Uses and misuses of meta-analysis in plant ecology, *Journal of Ecology*, 102: 828–844
- Machcova, M.(2010). Open Top Chamber and free air Co<sub>2</sub> enrichment-approaches to investigate tree responses to elevated Co<sub>2</sub>. *iForest* 3:102-105
- Nakagawa, S. and E. S. Santos (2012). Methodological issues and advances in biological meta-analysis, *Evol. Ecol.* 26:1253-1274.
- Nakagawa, S. et. Al. (2017) . Meta-evaluation of meta-analysis : ten appraisal questions for biologists. *BMC Biology*, 15-18
- Peters K, et.al. (2014). Impact

of climate change on weeds in agriculture: a review. *Agron. Sustain.*, 34: 707-721

- Pullin S., and G. B. Stewart (2006). Guidelines for Systematic Review in Conservation and Environmental Management, *Conservation Biology*, 20, No. 6, 1647–1656
- Rother E.T. (2007). Systematic Literature Review X Narrative Review. *Acta Paul Enferm*, 20(2):viii-ix
- Tawfik G.M., et.al. (2019). A step-by-step guide for conducting a systematic review and meta-analysis with simulation data. *Tropical Medicine and Health*, 47-46
- Vila M., et.al. (2021). Understanding the combined impacts of weeds and climate change on crops, *Environ. Research*, 1-12

### Φυτογεία και πεποιθήσεις του κοινού

### Πληροί η Ελλάδα επαρκώς τις υποχρεώσεις της στη φυτογεία;

#### Βιβλιογραφία

- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. 2019. *Multivariate data analysis* (Eighth edition). Cengage
- Σίμογλου, Κ.Β. 2022. Η Ελλάδα πληροί επαρκώς τις υποχρεώσεις της για τη φυτογεία; Μία προκαταρκτική έρευνα παραμέτρων που επιδρούν στις απόψεις τού κοινού. Πρακτικά 20ού Πανελληνίου Φυτοπαθολογικού Συνεδρίου, Θεσσαλονίκη, 3-6 Οκτωβρίου, Ελληνική Φυτοπαθολογική Εταιρεία. [https://www.researchgate.net/publication/364239220\\_EL\\_E\\_Ellada\\_pleroi\\_eparkos\\_tis\\_yprochreoseis\\_tes\\_gia\\_tephytougeia\\_Mia\\_prokataraktike\\_ereuna\\_parametron\\_pou\\_epidroun\\_stis\\_apopseis\\_tou\\_koinou\\_EN\\_Does\\_Greece\\_adequately\\_meet\\_its\\_obligations\\_for\\_plant\\_h](https://www.researchgate.net/publication/364239220_EL_E_Ellada_pleroi_eparkos_tis_yprochreoseis_tes_gia_tephytougeia_Mia_prokataraktike_ereuna_parametron_pou_epidroun_stis_apopseis_tou_koinou_EN_Does_Greece_adequately_meet_its_obligations_for_plant_h)
- Simoglou, K.B. and Roditakis, E. 2022. Consumers' Benefit–Risk Perception on Pesticides and Food Safety—A Survey in Greece, *Agriculture*, 12(2), p. 192. <https://doi.org/10.3390/agriculture12020192>

## ΔΕΝΔΡΟΚΟΜΙΑ

### Ο μαύρος ακανθώδης αλευρώδης στην Ελλάδα

### Η «μαύρη απειλή» στα εσπεριδοειδή

#### Βιβλιογραφία

- Cioffi, M.; Cornara, D.; Corrado, I.; Jansen, M.G.M.; Porcelli, F. The status of *Aleurocanthus spiniferus* from its unwanted introduction in Italy to date. *Bull. Insectol.* 2013, 66, 273–281.
- Clausen, C., P, Bartlett, B., R, Debach, P., Goeden, R., D, Legner, E., F., Mcmurtry JA et al. 1978. Introduced parasites and predators of arthropod pests and weeds: a world review. *Agriculture Handbook* 480, pp. 1– 545. United States Department of Agriculture, Washington (US).
- Flanders. S., E., 1969. Herbert D. Smith's Observations on Citrus Blackfly Parasites in India And Mexico And The Correlated Circumstances. *The Canadian Entomologist*, 101 (5), pp. 467 – 480. DOI: <https://doi.org/10.4039/Ent101467-5>
- Gyeltshen, J., Hodges, A., & Hodges, G., S. 2010. Orange spiny whitefly, *Aleurocanthus spiniferus* Quaintance (Insecta: Hemiptera: Aleyrodidae). University of Florida, Institute of Food and Agricultural Sciences (IFAS). <https://edis.ifas.ufl.edu/pdffiles/IN/IN61800.pdf>
- Kapantaidaki, D., E., Antonatos, S., Kontodimas, D., Milonas, P., Papachristos, D., P. (2019) Presence of the invasive whitefly *Aleurocanthus spiniferus* (Hemiptera: Aleyrodidae) in Greece. *Bulletin OEPP/EPPO Bulletin* (2019) 49 (1), 127–131
- Katsoyannos, P. 1996: Integrated insect Pest Management for Citrus in Northern Mediterranean countries. Benaki Phytopathological Institute, Athens, Greece, 110 pp.
- Katsoyannos, P., Kontodimas, D. C. & Stathas, G. J. 1998: The inundative release of *Cales noacki* Howard (Hymenoptera: Aphelinidae), for curative treatment of *Aleurothrixus floccosus* (Maskell) (Homoptera: Aleyrodidae) on heavily infested citrus in Greece. *Annals de l'Institut Phytopathologique Benaki* (N. S.) 18: 121-134.
- Kuwana, I. 1934 Notes on a newly imported parasite of the spiny whitefly attacking citrus in Japan. *Proceedings 5th. Pacific Science Congress* 5, 3521– 3523.
- Kuwana, I., & Ishii, T. 1927. On *Prospaltella smithi* Silv., and *Cryptognatha* sp., the enemies of *Aleurocanthus spiniferus* Quaintance, imported from

- Canton, China. Review of Applied Entomology 15, 463.
- Muniappan, R., Marutani, M., Esguerra, N. (1992) Establishment of *Encarsia smithi* (Silvestri) (Hymenoptera: Aphelinidae) on Pohnpei for control of the orange spiny whitefly, *Aleurocanthus spiniferus* (Quaintance) (Homoptera: Aleyrodidae). Proc Hawaii Entomol Soc 31:243
  - Nguyen, R., Brazzel, R., Poucher, C. 1983. Population Density of the Citrus Blackfly, *Aleurocanthus woglumi* Ashby (Homoptera: Aleyrodidae), and Its Parasites in Urban Florida in 1979–1981. Environmental Entomology, 12 (3), pp 878–884, <https://doi.org/10.1093/ee/12.3.878>
  - Noyes, J. S. 2017. Universal Chalcidoidea Database; World Wide Web electronic publication. Available at <http://www.nhm.ac.uk/chalcidoidea>. (Last accessed December 2017.)
  - Nugnes, F., Laudonia, S., Jesu, G., Jansen, M. G. M., Bernardo, U., & Porcelli, F. (2020). *Aleurocanthus spiniferus* (Hemiptera: Aleyrodidae) in Some European Countries: Diffusion, Hosts, Molecular Characterization, and Natural Enemies. Insects, 11(1), 42.
  - Pappas, S. & Viggiani, G. 1979: Introdotta a Corfu la Prospaltella lahorensis How. (Hym. Aphelinidae) parassita del *Dialeurodes citri* (Ashm.) (Hom. Aleyrodidae). Bollettino del Laboratorio di Entomologia Agraria "Filippo Silvestri", Portici 36: 38-41.
  - Peterson GD (1955) Biological control of the orange spiny whitefly in Guam. Journal of Economic Entomology 48, 681–683.
  - Quezada, J., R. 1974. Biological control of *Aleurocanthus woglumi* [Homoptera: Aleyrodidae] in El Salvador. Entomophaga 19, 243–254. <https://doi.org/10.1007/BF02371049>
  - Radonjic, S., Hrcic, S., Malumphy, C. (2014) First Record of *Aleurocanthus spiniferus* (Quaintance) (Hemiptera: Aleyrodidae) in Montenegro. CRA-Research Centre for Agrobiological and Pedology, 97, 141–154.
  - Silvestri, F. 1927. Contribuzione alla conoscenza degli Aleyrodidae (Insecta: Hemiptera) viventi su Citrus in Estremo Oriente e dei loro parassiti. Bollettino del Laboratorio di Zoologia Generale e Agraria della R. Scuola Superiore d'Agricoltura in Portici 21: 1–60
  - Simala, M., & Masten, Milek, T. (2013) First record of the orange spiny whitefly, *Aleurocanthus spiniferus* Quaintance, 1903 (Hemiptera: Aleyrodidae), in Croatia. Zbornikpredavanj in referatov 11. Slovenskegaposvetovanja o varstvarustlin z mednarodnoudeležbo, 354–358.
  - Smith, H., D. 1945. Citrus backfly on the west coast of Mexico and the importation and colonization of *Eretmocerus serius* Silv. for its control. Fitofolio. Vol.4 pp.67-103
  - Smith, H., D., Maltby, I. & Jimenez, E., J. (1964) Biological control of the citrus blackfly in Mexico. U.S.D.A. Bull., 1311, 29 pp.
  - Stathas, G., Skouras, P., J. (2013) Biological control on insect pests in citrus orchards in Greece. Integrated Control in Citrus Fruit Crops IOBC-WPRS Bulletin Vol. 95, pp. 1-9
  - Thompson, C., R., Cornell, J., A., Sailer, R., I. 1987. Interactions of Parasites and a Hyperparasite in Biological Control of Citrus Blackfly, *Aleurocanthus woglumi* (Homoptera: Aleyrodidae). Florida Environmental Entomology, Volume 16 (1), p: 140–144, <https://doi.org/10.1093/ee/16.1.140>
  - Uesugi, R., Sato, Y., Han, B., Y., Huang, Z., D., Yara, K., Furuhashi, K. (2016) Molecular evidence for multiple phylogenetic groups within twospecies of invasive spiny whiteflies and their parasitoid wasp. Bull Entomol Res. doi:10.1017/S000748531500103.
  - Van den Berg, M., A., & Greenland, J. (1997) Classical biological control of *Aleurocanthus spiniferus* (Hem.: Aleyrodidae), on citrus in Southern Africa. Entomo
  - Juszczuk, P.; Sarris, D.; Bellou, S.; Triantaphyllidou, I.-E.; Rywinska, A.; Papanikolaou, S.; Anggelis, G. Bioconversion of Olive Mill Wastewater into High-Added Value Products. J. Clean. Prod. 2016, 139, 957–969. <https://doi.org/10.1016/j.jclepro.2016.08.133>.
  - [3] Μουρτζανός, Α. Η ΜΕΤΑΒΑΣΗ ΑΠΟ ΤΟ ΤΡΙΦΑΣΙΚΟ ΣΤΟ ΔΙΦΑΣΙΚΟ ΣΥΣΤΗΜΑ ΠΑΡΑΓΩΓΗΣ ΕΛΑΙΟΛΑΔΟΥ ΚΑΙ ΟΙ ΕΠΙΠΤΩΣΕΙΣ ΣΤΗΝ ΕΛΑΙΟΥΡΓΙΚΗ ΚΑΙ ΠΥΡΗΝΕΛΑΙΟΥΡΓΙΚΗ ΒΙΟΜΗΧΑΝΙΑ ΣΤΗΝ ΕΛΛΑΔΑ. 2020. <http://dx.doi.org/10.26240/heal.ntua.20101>
  - [4] (2006). Waste Management Series, 5, iv. [https://doi.org/10.1016/S1478-7482\(13\)60003-2](https://doi.org/10.1016/S1478-7482(13)60003-2)
  - [5] Zahi, M. R.; Zam, W.; El Hattab, M. State of Knowledge on Chemical, Biological and Nutritional Properties of Olive Mill Wastewater. Food Chem. 2022, 381, 132238. <https://doi.org/10.1016/j.foodchem.2022.132238>.
  - [6] Li, Z., Yang, J., & Loh, X. J. (2016). Polyhydroxyalkanoates: opening doors for a sustainable future. NPG Asia Materials, 8(4), e265–e265. doi:10.1038/am.2016.48
  - [7] Ganesh Saratale, R., Cho, S., Dattatraya Saratale, G., Kadam, A. A., Ghodake, G. S., Kumar, M., Naresh Bharagava, R., Kumar, G., Su Kim, D., Mulla, S. I., & Seung Shin, H. (2021). A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. Bioresource Technology, 325, 124685. <https://doi.org/10.1016/j.biortech.2021.124685>
  - [8] Mezzina, M. P.; Manoli, M. T.; Prieto, M. A.; Nikel, P. I. Engineering Native and Synthetic Pathways in *Pseudomonas Putida* for the Production of Tailored Polyhydroxyalkanoates. Biotechnol. J. 2021, 16 (3), 2000165. <https://doi.org/10.1002/biot.202000165>.
  - [9] Acharjee, S. A., Bharali, P., Gogoi, B., Sorhie, V., & Walling, B. (2023). PHA-Based Bioplastic: A Potential Alternative to Address Microplastic Pollution. Water, Air, and Soil Pollution, 234(1). <https://doi.org/10.1007/s11270-022-06029-2>
  - [10] Kokkinidis, T. World Environment Day: Plastic Pollution Threatens Marine Life in Greece. Greek Reporter. <https://greekreporter.com/2023/06/05/world-environment-day-plastic-pollution-marine-life-greece/> (accessed 2023-06-18).
  - [11] The ocean conference,

## Μελλοντική εφαρμογή βιοαποκατάστασης του κασιγάρου

### iGEM Thessaly: Μια ομάδα πρωτοπόρων Συνθετικών Βιολόγων

#### Βιβλιογραφία

- [1] Hamimed, S., Landoulsi, A. & Chatti, A. The bright side of olive mill wastewater: valuables bioproducts after bioremediation. Int. J. Environ. Sci. Technol. 18, 4053–4074 (2021). <https://doi.org/10.1007/s13762-021-03145-0>
- [2] Dourou, M.; Kancelista, A.;

- United Nations, NY, 5-9 June 2017  
oceanconference.un.org
- [12] R. Sirohi, J. Pandey, V.K. Gaur, E. Gnansounou, R. Sindhu, Critical overview of biomass feedstocks as sustainable substrates for the production of polyhydroxybutyrate (PHB) Bioresour. Technol., 311 (2020), Article 123536
  - [13] Ganesh Saratale, R., Cho, S., Dattatraya Saratale, G., Kadam, A. A., Ghodake, G. S., Kumar, M., Naresh Bharagava, R., Kumar, G., Su Kim, D., Mulla, S. I., & Seung Shin, H. (2021). A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. Bioresource Technology, 325, 124685. <https://doi.org/10.1016/j.biortech.2021.124685>
  - [14] Salvachia, D.; Rydzak, T.; Auwae, R.; De Capite, A.; Black, B. A.; Bouvier, J. T.; Cleveland, N. S.; Elmore, J. R.; Furches, A.Huenemann, J. D.; Katahira, R.; Michener, W. E.; Peterson, D. J.; Rohrer, H.; Vardon, D. R.; Beckham, G. T.; Guss, A. M. Metabolic Engineering of Pseudomonas Putida for Increased Polyhydroxyalkanoate Production from Lignin. Microb. Biotechnol. 2020, 13 (1), 290–298. <https://doi.org/10.1111/1751-7915.13481>.
  - [15] <https://circulargreece.gr/el/paradotea/>, Παραδοτέο A3.D1, Τεχνική Έκθεση για την υφιστάμενη κατάσταση αποβλήτων αγροδιατροφής, τελευταία πρόσβαση: 08/07/2023
- για Κρεμμυδιού» - Σχολή Τεχνολόγων Γεωπόνων, ΑΤΕΙ Μεσολόγγι, Κασιάρα Χρυσάνθη.
- Πτυχιακή Εργασία με θέμα «Σπορο- παραγωγή - Καλλιέργεια και Καλλιεργούμενες ποικιλίες κρεμμυδιού στην Ελλάδα» - Σχολή Τεχνολογίας Γεωπονίας, ΤΕΙ Καλαμάτας, Γεωργία Παναγιωτοπούλου. ■

## ΚΗΠΕΥΤΙΚΑ

### Η καλλιέργεια του ξερού κρεμμυδιού και τα μυστικά της

### Προϋποθέσεις για καλές αποδόσεις οι ορθές καλλιεργητικές πρακτικές

#### Βιβλιογραφία

- Οδηγός Υπουργείου Αγροτικής Ανάπτυξης και Τροφίμων με τίτλο: ΟΔΗΓΙΕΣ ΟΛΟΚΛΗΡΩΜΕΝΗΣ ΦΥΤΟΠΡΟΣΤΑΣΙΑΣ ΣΤΑ ΒΟΛΒΩΔΗ (ΚΡΕΜΜΥΔΙ).
- Πτυχιακή εργασία με θέμα «Επίδραση της πρόωρης εποχής σποράς στην απόδοση και ποιότητα του Βατικιώτικου κρεμμυδιού» - Σχολή Γεωπονίας, Φυτικής Παραγωγής και Αγροτικού Περιβάλλοντος, Πανεπιστημίου Θεσσαλίας, ΔΟΥΒΑΣ ΙΩΑΝΝΗΣ.
- Πτυχιακή Εργασία με θέμα «Καλλιέρ-

