

**ΘΕΜΑΤΑ ΕΡΓΑΣΙΩΝ & ΕΝΔΕΙΚΤΙΚΑ ΑΡΘΡΑ ΓΙΑ ΤΟ ΜΑΘΗΜΑ**  
**ΕΠΙΛΟΓΗΣ “ΟΙΚΟΛΟΓΙΑ ΒΛΑΣΤΗΣΗΣ” ΕΑΡΙΝΟ\_2025**

| <b>ΕΥΑ ΠΑΠΑΣΤΕΡΓΙΑΔΟΥ</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. ΕΙΣΒΛΗΤΙΚΑ ΕΙΔΗ ΣΤΑ ΟΙΚΟΣΥΣΤΗΜΑΤΑ ΤΟΥ ΓΛΥΚΟΥ ΝΕΡΟΥ</b>                            | <p>Rossano Bolpagni 2021. Towards global dominance of invasive alien plants in freshwater ecosystems: the dawn of the Exocene? <i>Hydrobiologia</i> (2021) 848:2259–2279.</p> <p>Ojija, F.; Petruzzellis, F.; Bacaro, G. Review of Invasive Plant Functional Traits and Management Using Remote Sensing in Sub-Saharan Africa. <i>Int. J. Plant Biol.</i> <b>2024</b>, 15, 358–374.<br/> <a href="https://doi.org/10.3390/ijpb15020029">https://doi.org/10.3390/ijpb15020029</a></p> <p>Rojas-Sandoval, Julissa, James D. Ackerman, Humfredo Marcano-Vega, and Michael R. Willig. 2022. Alien Species Affect the Abundance and Richness of Native Species in Tropical Forests: The Role of Adaptive Strategies. <i>Ecosphere</i> 13(12): e4291.<br/> <a href="https://doi.org/10.1002/ecs2.4291">https://doi.org/10.1002/ecs2.4291</a></p> |
| <b>2. ΛΕΙΤΟΥΡΓΙΚΗ ΠΟΙΚΙΛΟΤΗΤΑ ΚΑΙ ΠΡΟΣΑΡΜΟΓΕΣ ΤΩΝ ΕΙΔΩΝ ΣΕ ΜΕΣΟΓΕΙΑΚΑ ΟΙΚΟΣΥΣΤΗΜΑΤΑ</b> | <p>Navarro, T., Hidalgo-Triana, N. (2021). Variations in leaf traits modulate plant vegetative and reproductive phenological sequencing across arid Mediterranean shrublands. <i>Front. Plant Sci.</i> 12. doi: 10.3389/fpls.2021.708367</p> <p>Rodríguez-Gallego, C., Navarro and, T., Meerts., P. (2015). A comparative study of leaf trait relationships in coastal dunes in southern Spain. <i>Plant Ecol. Evol.</i> 148 (1), 57–67. doi: 10.5091/plecevo.2015.951</p> <p>Hidalgo-Triana N, Pe´ rez-Latorre AV, Adomou AC, Rudner M and Thorne JH (2023) Adaptations to the stressful combination of serpentine soils and Mediterranean climate drive plant functional groups and trait richness. <i>Front. Plant Sci.</i> 14:1040839.</p>                                                                                             |
| <b>3. ΒΙΟΛΟΓΙΑ ΔΙΑΤΗΡΗΣΗΣ ΦΥΤΙΚΩΝ ΕΙΔΩΝ ΣΕ ΠΑΓΚΟΣΜΙΑ ΚΛΙΜΑΚΑ</b>                        | <p>Iain Darbyshire, Seona Anderson, Anna Asatryan, .... Elizabeth A. Radford <b>2017</b>. Important Plant Areas: revised selection criteria for a global approach to plant conservation. <i>Biodivers Conserv</i> (2017) 26:1767–1800</p> <p>Sciandrello, S.; Ranno, V.; Tomaselli, V. The Role of Vegetation Monitoring in the Conservation of Coastal Habitats N2000: A Case Study of a Wetland Area in Southeast Sicily (Italy). <i>Land</i> <b>2024</b>, 13, 62. doi.org/10.3390/land13010062</p> <p>Zhao, J.; Davies, C.; Veal, C.; Xu, C.; Zhang, X.; Yu, F. Review on the Application of Nature-Based Solutions in Urban Forest Planning</p>                                                                                                                                                                                        |

|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                           | and Sustainable Management. <i>Forests</i> <b>2024</b> , 15, 727. <a href="https://doi.org/10.3390/f15040727">https://doi.org/10.3390/f15040727</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>4. ΠΑΡΑΠΟΤΑΜΙΑ ΔΑΣΙΚΗ<br/>ΒΛΑΣΤΗΣΗ-ΔΙΑΤΗΡΗΣΗ<br/>ΤΗΣ ΟΙΚΟΛΟΓΙΚΗΣ<br/>ΠΟΙΟΤΗΤΑΣ ΤΩΝ<br/>ΥΔΑΤΙΝΩΝ<br/>ΟΙΚΟΣΥΣΤΗΜΑΤΩΝ</b> | <p>Angiolini, C., de Simone, L., Fiaschi, T., Cifaldi, G. P., Maccherini, S., &amp; Fanfarillo, E. (2023). Detecting the imprints of past clear-cutting on riparian forest plant communities along a Mediterranean river. <i>River Research and Applications</i>, 1–13. <a href="https://doi.org/10.1002/rra.4152">https://doi.org/10.1002/rra.4152</a></p> <p>Lite, S. J., Bagstad, K. J., &amp; Stromberg, J. C. (2005). Riparian plant species richness along lateral and longitudinal gradients of water stress and flood disturbance, San Pedro River, Arizona, USA. <i>Journal of Arid Environments</i>, <b>63</b>(4), 785–813.</p> <p>Stella, J. C., Rodríguez-González, P. M., Dufour, S., &amp; Bendix, J. (2013). Riparian vegetation research in Mediterranean-climate regions: Common patterns, ecological processes, and considerations for management. <i>Hydrobiologia</i>, <b>719</b>(1), 291–315.</p> <p>van Rees CB, Jumani S, Abera L, Rack L, McKay SK, Wenger SJ (2023) The potential for nature-based solutions to combat the freshwater biodiversity crisis. <i>PLOS Water</i> 2(6): e0000126. <a href="https://doi.org/10.1371/journal.pwat.0000126">https://doi.org/10.1371/journal.pwat.0000126</a></p> |
| <b>5. ΔΙΑΤΗΡΗΣΗ<br/>ΠΑΡΑΚΤΙΩΝ<br/>ΑΜΜΟΘΙΝΙΚΩΝ ΤΥΠΩΝ<br/>ΟΙΚΟΤΟΠΩΝ/ ΜΟΝΑΔΩΝ<br/>ΒΛΑΣΤΗΣΗΣ ΣΤΗ<br/>ΜΕΣΟΓΕΙΟ</b>             | <p>Prisco I, Carboni M, Acosta ATR (2013) The fate of threatened coastal dune habitats in Italy under climate change scenarios. <i>PLOS ONE</i> 8(7): e68850. <a href="https://doi.org/10.1371/journal.pone.0068850">https://doi.org/10.1371/journal.pone.0068850</a></p> <p>Del Vecchio S, Prisco I, Acosta ATR, Stanisci A (2015a) Changes in plant species composition of coastal dune habitats over a 20-year period. <i>AoB Plants</i> 7. <a href="https://doi.org/10.1093/aobpla/plv018">https://doi.org/10.1093/aobpla/plv018</a></p> <p>Sperandii MG, Bazzichetto M, Gatti F, Acosta ATR (2019) Back into the past: Resurveying random plots to track community changes in Italian coastal dunes. <i>Ecological Indicators</i> 96: 572–578. <a href="https://doi.org/10.1016/j.ecolind.2018.09.039">https://doi.org/10.1016/j.ecolind.2018.09.039</a></p>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>6. ΜΑΝΓΚΡΟΒΙΑ<br/>ΒΛΑΣΤΗΣΗ:<br/>ΠΟΙΚΙΛΟΤΗΤΑ,<br/>ΟΙΚΟΛΟΓΙΑ &amp; ΔΙΑΤΗΡΗΣΗ</b>                                         | <p>Polidoro, B. A. <i>et al.</i> The loss of species: mangrove extinction risk and geographic areas of global concern. <i>PLoS ONE</i> <b>5</b>, e10095 (2010).</p> <p>Lee, S. Y. <i>et al.</i> Ecological role and services of tropical mangrove ecosystems: a reassessment. <i>Global Ecol. Biogeogr.</i> <b>23</b>, 726–743 (2014).</p> <p>Carugati, L., Gatto, B., Rastelli, E. <i>et al.</i> Impact of mangrove forests degradation on biodiversity and ecosystem functioning. <i>Sci Rep</i> <b>8</b>, 13298 (2018). <a href="https://doi.org/10.1038/s41598-018-31683-0">https://doi.org/10.1038/s41598-018-31683-0</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| ΚΩΣΤΑΣ ΣΤΕΦΑΝΙΔΗΣ                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7. Ο ΡΟΛΟΣ ΤΗΣ<br/>ΥΦΥΔΑΤΙΚΗΣ ΒΛΑΣΤΗΣΗΣ<br/>ΣΤΗ ΔΙΑΜΟΡΦΩΣΗ ΚΑΙ<br/>ΥΠΟΣΤΗΡΙΞΗ<br/>ΟΙΚΟΣΥΣΤΗΜΙΚΩΝ<br/>ΛΕΙΤΟΥΡΓΙΩΝ ΤΩΝ<br/>ΕΣΩΤΕΡΙΚΩΝ ΥΔΑΤΩΝ</b>                                                                         | <p>Finkler Ferreira, T., Crossetti, L. O., Motta Marques, D. M. L., Cardoso, L., Fragoso, C. R., &amp; van Nes, E. H. (2018). The structuring role of submerged macrophytes in a large subtropical shallow lake: Clear effects on water chemistry and phytoplankton structure community along a vegetated-pelagic gradient. <i>Limnologica</i>, 69, 142–154. <a href="https://doi.org/10.1016/j.limno.2017.12.003">https://doi.org/10.1016/j.limno.2017.12.003</a></p> <p>Gao, Y., Yin, C., Zhao, Y., Liu, Z., Liu, P., Zhen, W., Hu, Y., Yu, J., Wang, Z., &amp; Guan, B. (2020). Effects of diversity, coverage and biomass of submerged macrophytes on nutrient concentrations, water clarity and phytoplankton biomass in two restored shallow lakes. <i>Water (Switzerland)</i>, 12(5). <a href="https://doi.org/10.3390/w12051425">https://doi.org/10.3390/w12051425</a></p> <p>Karus, K., Zagars, M., Agasild, H., Tuvikene, A., Zingel, P., Puncule, L., Medne-Peipere, M., &amp; Feldmann, T. (2022). The influence of macrophyte ecological groups on food web components of temperate freshwater lakes. <i>Aquatic Botany</i>, 183. <a href="https://doi.org/10.1016/j.aquabot.2022.103571">https://doi.org/10.1016/j.aquabot.2022.103571</a></p> |
| <b>8. Η ΣΥΜΒΟΛΗ ΤΩΝ<br/>ΥΠΡΟΤΟΠΩΝ ΣΤΙΣ ΡΟΕΣ<br/>ΜΕΘΑΝΙΟΥ (CH<sub>4</sub>) ΚΑΙ<br/>ΔΙΟΞΕΙΔΙΟΥ ΤΟΥ<br/>ΑΝΘΡΑΚΑ (CO<sub>2</sub>):<br/>ΔΙΕΡΕΥΝΗΣΗ ΤΩΝ<br/>ΜΗΧΑΝΙΣΜΩΝ<br/>ΠΑΡΑΓΩΓΗΣ,<br/>ΑΠΟΘΗΚΕΥΣΗΣ ΚΑΙ<br/>ΑΠΕΛΕΥΘΕΡΩΣΗΣ</b> | <p>Keshta, A. E., Yarwood, S. A., &amp; Baldwin, A. H. (2023). Methane Emissions Are Highly Variable across Wetland Habitats in Natural and Restored Tidal Freshwater Wetlands. <i>Wetlands</i>, 43(5). <a href="https://doi.org/10.1007/s13157-023-01701-7">https://doi.org/10.1007/s13157-023-01701-7</a></p> <p>Bodmer, P., Vroom, R. J. E., Stepina, T., del Giorgio, P. A., &amp; Kosten, S. (2023). Methane dynamics in vegetated habitats in inland waters: quantification, regulation, and global significance. In <i>Frontiers in Water</i> (Vol. 5). Frontiers Media SA. <a href="https://doi.org/10.3389/frwa.2023.1332968">https://doi.org/10.3389/frwa.2023.1332968</a></p> <p>Tang, A. C. I., Bohrer, G., Malhotra, A., Missik, J., Machado-Silva, F., &amp; Forbrich, I. (2025). Rising Water Levels and Vegetation Shifts Drive Substantial Reductions in Methane Emissions and Carbon Dioxide Uptake in a Great Lakes Coastal Freshwater Wetland. <i>Global Change Biology</i>, 31(2). <a href="https://doi.org/10.1111/gcb.70053">https://doi.org/10.1111/gcb.70053</a></p>                                                                                                                                                                |
| ΣΟΦΙΑ ΣΠΑΝΟΥ                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>9. ΠΥΡΚΑΓΙΕΣ ΚΑΙ<br/>ΠΕΡΙΟΧΕΣ ΔΙΕΠΑΦΗΣ<br/>ΔΑΣΩΝ ΚΑΙ ΟΙΚΙΣΜΩΝ<br/>[Wildland Urban Interface<br/>(WUI)], Η ΚΑΤΑΣΤΑΣΗ ΣΤΗ<br/>ΜΕΣΟΓΕΙΑΚΗ ΠΕΡΙΟΧΗ</b>                                                                     | <p>Guo, Y. et al. 2024. Global expansion of wildland-urban interface intensifies human exposure to wildfire risk in the 21st century. <i>Science Advances</i> DOI: <a href="https://doi.org/10.1126/sciadv.ado9587">10.1126/sciadv.ado9587</a></p> <p>Pastor, E. et al. 2022. Vulnerability analysis to wildland-urban interface fires in metropolitan areas: an integrated approach. <i>Advances in Forest Fire Research</i>. <a href="https://doi.org/10.14195/978-989-26-2298-9_123">https://doi.org/10.14195/978-989-26-2298-9_123</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                              | Mitsopoulos I. et al. 2020. Vulnerability of Peri-urban and Residential Areas to Landscape Fires in Greece: Evidence by Wildland-Urban Interface Data: <a href="https://doi.org/10.1016/j.dib.2020.106025">https://doi.org/10.1016/j.dib.2020.106025</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>10. ΣΤΕΠΕΣ: ΟΙΚΟΛΟΓΙΚΗ ΑΞΙΑ, ΚΑΤΑΣΤΑΣΗ ΔΙΑΤΗΡΗΣΗΣ, ΑΠΕΙΛΕΣ</b>                                            | <p>Rare steppe plant communities in Ukraine: Status, threats and their minimization. Dubyna, et al. 2023. <i>Biosyst. Divers.</i>, 2023, 31(2), 209–216 <a href="https://doi.org/10.15421/012322">https://doi.org/10.15421/012322</a></p> <p>Levykyn, S.V. et al. 2021 The current natural-anthropogenic threats to the steppe landscape stability. <a href="https://doi.org/10.1088/1755-1315/817/1/012059">https://doi.org/10.1088/1755-1315/817/1/012059</a></p> <p>National steppe conservation strategy and action plan 2021-2030. <a href="https://openknowledge.fao.org/server/api/core/bitstreams/b30fcad0-f714-4e64-b8c0-99684e4db3b2/content">https://openknowledge.fao.org/server/api/core/bitstreams/b30fcad0-f714-4e64-b8c0-99684e4db3b2/content</a></p> |
| <b>11. ΕΠΠΤΩΣΕΙΣ ΤΟΥ ΦΑΙΝΟΜΕΝΟΥ ΜΕΙΩΣΗΣ ΚΑΙ ΓΗΡΑΝΣΗΣ ΤΟΥ ΑΝΘΡΩΠΙΝΟΥ ΠΛΗΘΥΣΜΟΥ ΣΤΑ ΦΥΣΙΚΑ ΟΙΚΟΣΥΣΤΗΜΑΤΑ</b>   | <p>Marini L. et al. 2024. Ecology and conservation under ageing and declining human populations. <i>Journal of Applied Ecology</i>. <a href="https://doi.org/10.1111/1365-2664.14758">https://doi.org/10.1111/1365-2664.14758</a></p> <p>Bruno D. et al. 2021. Depopulation impacts on ecosystem services in Mediterranean rural areas. <i>Ecosystem Services</i> Vol.52. <a href="https://doi.org/10.1016/j.ecoser.2021.101369">https://doi.org/10.1016/j.ecoser.2021.101369</a></p>                                                                                                                                                                                                                                                                                 |
| <b>ΠΑΝΑΓΙΩΤΗΣ ΔΗΜΟΠΟΥΛΟΣ</b>                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>12. ΠΑΡΑΠΟΤΑΜΙΑ ΔΑΣΗ-ΤΑΞΙΝΟΜΗΣΗ-ΒΙΟΓΕΩΓΡΑΦΙΑ-ΣΗΜΑΣΙΑ ΣΤΗΝ ΕΥΡΩΠΗ ΚΑΙ ΤΗΝ ΕΛΛΑΔΑ</b>                       | <p>Douda Jan et al. (2016). Vegetation classification and biogeography of European floodplain forests and alder cars. <i>Applied Vegetation Science</i> 19 (1): 147-163. Doi: 10.1111/avsc.12201</p> <p>G. N. Zaimes, V. Iakovoglou, D. Emmanouloudis and D. Gounaridis (2010). Riparian Areas of Greece: Their Definition and Characteristics. <i>Journal of Engineering Science and Technology Review</i> 3 (1) (2010) 176-183. DOI: 10.25103/jestr.031.29</p> <p>Zogaris S., Chatzinikolaou Y. &amp; P. Dimopoulos (2009). Assessing environmental degradation of montane riparian zones in Greece. <i>Journal of Environmental Biology</i> 30 (5): 719-726.</p>                                                                                                   |
| <b>13. ΟΙΚΟΛΟΓΙΚΗ ΔΙΑΔΟΧΗ ΚΑΙ ΚΑΝΟΝΕΣ ΣΥΝΑΘΡΟΙΣΗΣ ΣΕ ΗΦΑΙΣΤΙΟΓΕΝΗ ΝΗΣΙΑ – ΤΟ ΠΑΡΑΔΕΙΓΜΑ ΤΗΣ ΝΕΑΣ ΚΑΜΕΝΗΣ</b> | <p>Karadimou E., Tsiripidis I., Kallimanis A.S., Raus T. and Dimopoulos P. (2015). Functional diversity reveals complex assembly processes on sea-born volcanic islands (Santorini archipelago, Greece). <i>Journal of Vegetation Science</i> 26: 501-512. Doi: 10.1111/jvs.12255</p> <p>Karadimou E., Kallimanis A., Tsiripidis I., Raus T., Bergmeier E., P. Dimopoulos (2018). Functional diversity changes over 100 years of primary succession on a volcanic Mediterranean island: insights into assembly processes. <i>Ecosphere</i> 9(9): e02374.10.1002/ecs2.2374.</p>                                                                                                                                                                                        |

### **Δομή της Εργασίας:**

1. Ανάπτυξη του Θέματος μέχρι 15-20 σελίδες, συνθέτοντας πληροφορίες από 4 ως 6 βιβλιογραφικές πηγές - δημοσιευμένα ερευνητικά άρθρα.

---

2. Περιεχόμενα του Γραπτού Κειμένου:
  - Εισαγωγή,
  - Υλικά & Μέθοδοι,
  - Αποτελέσματα,
  - Συζήτηση-Συμπεράσματα,
  - Βιβλιογραφία & Παραρτήματα
3. Ψηφιακή παρουσίαση της εργασίας [power point],

Η παρουσίαση των εργασιών θα πραγματοποιηθεί από τα μέλη κάθε ομάδας φοιτητών που εκπόνησαν την εργασία και η διάρκεια της θα είναι 10 λεπτά.

Το κείμενο της εργασίας (σε αρχείο word), η Ψηφιακή παρουσίαση της εργασίας [power point] και τα βασικά άρθρα σε pdf θα αναρτηθούν στο e-class, στο πεδίο Εργασίες 2025.

### **Κριτήρια αξιολόγησης των γραπτών εργασιών:**

- Δομή και οργάνωση εργασίας
- Συνάφεια με το θέμα
- Ολοκληρωμένη κάλυψη του αντικειμένου
- Σύνθεση της πληροφορίας
- Ροή και συνάφεια της εργασίας
- Σωστή χρήση εικόνων και πινάκων
- Σωστή χρήση του λόγου
- Σωστή χρήση των βιβλιογραφικών αναφορών

ΚΑΛΗ ΕΠΙΤΥΧΙΑ