

Αναθέσεις Εργασιών Φοιτητών – Εργαστήριο Μαθήματος ΠΕΡΙΒΑΛΛΟΝΤΙΚΗ
ΒΙΟΤΕΧΝΟΛΟΓΙΑ 2023-2024

| Ωρα | Εργασία | Φοιτητές |
|------------------------------|--|--|
| ΤΕΤΑΡΤΗ 10.1.2024 | | |
| 12.00-12.15 | Kits et al., (2017) Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> 549: 269-287 | Αδάμος Πολάσεκ |
| 12.15-12.30 | Itoh et al., (2018) Infection dynamics of insecticide-degrading symbionts from soil to insects in response to insecticide spraying. <i>ISME Journal</i> 12:909-920 | Ανδρέου Καποσούζη |
| 12.30-12.45 | Stalder et al., (2019) Linking the resistome and plasmidome to the microbiome. <i>ISME Journal</i> 13: 2437-2446 | Βελδέκη Βελιώτης |
| 12.45-13.00 | Zhang et al., (2018) New technologies provide more metabolic engineering strategies for bioethanol production in <i>Zymomonas mobilis</i> . <i>Applied Microbiology and Biotechnology</i> 103: 2087-2099 | Πιπερτζή Γλυμιδάκη |
| 13.00-13.15 | Zhao et al., (2019) Morphology engineering for enhanced production of medium-chain-length poly-hydroxyalkanoates in <i>Pseudomonas mendocina</i> NK-01. <i>Applied Microbiology and Biotechnology</i> 103:1713–1724 | Αξούριστου Ζωγραφάκη |
| 13.15-13.30 | Glaeser et al., (2016) Non-pathogenic <i>Rhizobium radiobacter</i> F4 deploys plant beneficial activity independent of its host <i>Piriformospora indica</i> . <i>ISME Journal</i> 10, 871–884 | Ραΐδης Παπαβασιλείου |
| 13.30-13.45 | Abhishek Dutt Tripathi, Tek Raj Joshi, Suresh Kumar Srivastava, Kinaoush Khosravi Darani, Shankar Khade & Jyoti Srivastava (2019) Effect of nutritional supplements on bio-plastics (PHB) production utilizing sugar refinery waste with potential application in food packaging, <i>Preparative Biochemistry and Biotechnology</i> , 49:6, 567-577, | Αποστόλου Φανδρίδη |
| 13.45-14.00 | Adaya et al., (2018) Inactivation of an intracellular poly-3-hydroxybutyrate depolymerase of <i>Azotobacter vinelandii</i> allows to obtain a polymer of uniform high molecular mass. <i>Applied Microbiology and Biotechnology</i> 102:2693–2707 | Ζάρρα Κεραμάρη |
| ΔΙΑΛΕΙΜΜΑ 14.00-14.30 | | |
| 14.30-14.45 | Han et al., (2019) Specific Micropollutant Biotransformation Pattern by the Comammox Bacterium <i>Nitrospira inopinata</i> . <i>Environ. Sci. Technol.</i> 53, 8695–8705 | Αντωνόπουλος Στυμονιάρης |
| 14.45-15.00 | Deng et al., (2018) Partnership of <i>Arthrobacter</i> and <i>Pimelobacter</i> in Aerobic Degradation of Sulfadiazine Revealed by Metagenomics Analysis and Isolation. <i>Environ. Sci. Technol.</i> 52, 2963–2972 | Κρουστάλλη Σπανού |
| 15.00-15.15 | Kikuchi et al., (2012) Symbiont-mediated insecticide resistance. <i>Proceedings of the National Academy of Sciences</i> 109: 8618–8622 | Γκοβάτσου Φρατζελά |
| 15.15-15.30 | Ke et al., (2019) Biodegradation of crude oil by <i>Chelatococcus daeguensis</i> HB-4 and its potential for microbial enhanced oil recovery (MEOR) in heavy oil reservoirs. <i>Bioresource Technology</i> 287: 121442 https://doi.org/10.1016/j.biortech.2019.121442 | Λαζαρίδη Παύλου |
| 15.30-15.45 | Wang et al., (2019) Comammox <i>Nitrospira</i> clade B contributes to nitrification in soil. <i>Soil Biology and Biochemistry</i> 135: 392–395 | Κυριακάκη Παπαβασιλείου Μιχαλέλα |
| 15.45-16.00 | Leininger et al., (2006) Archaea predominate among ammonia-oxidizing prokaryotes in soils. <i>Nature</i> 442: 806-809, doi:10.1038/nature04983 | Κωνσταντινίδης Μαναός |

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| 16.00-16.15 | Hultman et al., (2018) Host range of antibiotic resistance genes in wastewater treatment plant influent and effluent. FEMS Microbiology Ecology, 94, fiy038, doi: 10.1093/femsec/fiy038 | Σαγάνη Σιδέρη |
| 16.15-16.30 | Itoh et al., (2014) Bacterial population succession and adaptation affected by insecticide application and soil spraying history. Frontiers in Microbiology 5: 457 | Δημουλής Σιώκα |
| ΔΙΑΛΕΙΜΜΑ 16.30-17.00 | | |
| 17.00-17.15 | Lezcano, Mari.Á., Velázquez, D., Quesada, A., El-Shehawy, R., (2017) Diversity and temporal shifts of the bacterial community associated with a toxic cyanobacterial bloom: An interplay between microcystin producers and degraders, Water Research doi: 10.1016/j.watres.2017.08.025 | Παπαζέκου Τζημικά |
| 17.15-17.30 | Zhao et al., (2020) Selective inhibition of ammonia oxidising archaea by simvastatin stimulates growth of ammonia oxidising bacteria. Soil Biology and Biochemistry 141: 107673 | Βουγιούκα Καραλή |
| 17.30-17.45 | Kurenbach et al., (2015) Sublethal Exposure to Commercial Formulations of the Herbicides Dicamba, 2,4 Dichlorophenoxyacetic Acid, and Glyphosate Cause Changes in Antibiotic Susceptibility in Escherichia coli and Salmonella enterica serovar Typhimurium. mBIO 6(2):e00009-15. doi:10.1128/mBio.00009-15. | Καραδισόγλου Κούκουρα |
| 17.45-18.00 | Bokulich NA, Collins TS, Masarweh C, Allen G, Heymann H, Ebeler SE, Mills DA. 2016. Associations among wine grape microbiome, metabolome, and fermentation behavior suggest microbial contribution to regional wine characteristics. mBio 7(3):e00631-16. doi:10.1128/mBio.00631-16 | Καρπώνη Κωνσταντινίδου |
| ΤΕΤΑΡΤΗ 17.1.2024 | | |
| 12.00-12.15 | Zheng et al., (2022) Organochlorine contamination enriches virus-encoded metabolism and pesticide degradation associated auxiliary genes in soil microbiomes. ISME Journal 16:1397–1408 | Μαρινίδης Χρίστογλου |
| 12.15-12.30 | Cheng et al., (2017) Gut symbiont enhances insecticide resistance in a significant pest, the oriental fruit fly Bactrocera dorsalis (Hendel). Microbiome 5:13 DOI 10.1186/s40168-017-0236-z | Καραθεοδώρου Στύλα |
| 12.30-12.45 | Xia F, Wang J-G, Zhu T, Zou B, Rhee S-K, Quan Z-X. 2018. Ubiquity and diversity of complete ammonia oxidizers (comammox). Appl Environ Microbiol 84:e01390-18. https://doi.org/10.1128/AEM.01390-18. | Τσαούση Μανδραβέλη |
| 12.45-13.00 | Tappe et al. (2013) Degradation of Sulfadiazine by Microbacterium lacus Strain SDZm4, Isolated from Lysimeters Previously Manured with Slurry from Sulfadiazine-Medicated Pigs. Appl. Environ Microbiol 79(8): 2572-2577 | Μαυρίδη Αθανασίου |
| 13.00-13.15 | Bokulich et al., (2013) Microbial biogeography of wine grapes is conditioned by cultivar, vintage, and climate. Proceedings of the National Academy of Sciences E139–E148 | Μίχας Παπαβασιλείου Άγγελος |
| 13.15-13.30 | Ntougias et al. (2016) Olive mill wastewater biodegradation potential of white-rot fungi - Mode of action of fungal culture extracts and effects of ligninolytic enzymes . Bioresource Technology 189: 121-130 | Ντόμπρεβα Πρωτόπαπα |
| 13.30-13.45 | Haroune et al. (2014) Evaluation of the efficiency of Trametes hirsuta for the removal of multiple pharmaceutical | Μοσχόπουλος Χατζηπατέρας |

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| | compounds under low concentrations relevant to the environment. <i>Bioresource Technology</i> 171: 199-202 | |
| 13.45-14.00 | Yanase et al. (2012) Ethanol production from wood hydrolysate using genetically engineered <i>Zymomonas mobilis</i> . <i>Applied Microbiology and Biotechnology</i> 94, 1667–1678 | Δρίτσας Τσιμπονίδης |
| ΔΙΑΛΛΕΙΜΑ 14.00-14.30 | | |
| 14.30-14.45 | Verma et al., (2014) Comparative genomic analysis of nine <i>Sphingobium</i> strains: insights into their evolution and hexachlorocyclohexane (HCH) degradation pathways. <i>BMC Genomics</i> 2014, 15:1014 | Μουλαζίμη Μώρου |
| 14.45-15.00 | Papadopoulou et al., (2018) Bioaugmentation of thiabendazole-contaminated soils from a wastewater disposal site: Factors driving the efficacy of this strategy and the diversity of the indigenous soil bacterial community. <i>Environmental Pollution</i> 233:16-25 | Ταταρίδης Φωτιάδης |
| 15.00-15.15 | Kamini, Shetty D, Trivedi VD, Varunjikar M, Phale PS. 2018. Compartmentalization of the carbaryl degradation pathway: molecular characterization of inducible periplasmic carbaryl hydrolase from <i>Pseudomonas</i> spp. <i>Appl Environ Microbiol</i> 84:e02115-17. https://doi.org/10.1128/AEM.02115-17 . | Πετρόγιαννη Πιέτρη |
| 15.15-16.00 | Gong et al., (2018) An engineered <i>Pseudomonas putida</i> can simultaneously degrade organophosphates, pyrethroids and carbamates. <i>Science Total Environment</i> 628-629: 1258-1265 | Τερζόπουλος Τσερμπάκ |
| 16.00-16.15 | Fan et al. (2012) Identification and characterization of a novel thermostable pyrethroid-hydrolyzing enzyme isolated through metagenomic approach. <i>Cell Factories</i> 11:33 http://www.microbialcellfactories.com/content/11/1/33 | Καλαμβρέζου Καραϊσκού |
| 16.15-16.30 | Zhu et al., (2022) Soil plastspheres as hotspots of antibiotic resistance genes and potential pathogens. <i>ISME Journal</i> 16:521–532; https://doi.org/10.1038/s41396-021-01103-9 | Μαλάμου Τσιτσιγιάνη |