

**ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΓΟ ΜΕΛΩΝ ΤΟΥ ΤΜΗΜΑΤΟΣ ΒΕΤ 2002-σήμερα**

**Πηγή Scopus EXPORT DATE: 13 July 2024**

**2024**

Fotiadou R., Vougiouklaki D., Houhoula D., Stamatis H.

Improvement of the oxidative stability of edible oils through enzymatic esterification with hydroxytyrosol-rich extract (2024) European Journal of Lipid Science and Technology

DOI: 10.1002/ejlt.202400014

DOCUMENT TYPE: Article

Kalogeropoulos K., Psarropoulou C. (2024)

Immature Status Epilepticus Alters the Temporal Relationship between Hippocampal Interictal Epileptiform Discharges and High-frequency OscillationNeuroscience, 543, pp.

108 – 120 DOI: 10.1016/j.neuroscience.2024.02.019

DOCUMENT TYPE: Article

Fotiadou R., Fragkaki I., Pettas K., Stamatis H.

Valorization of Olive Pomace Using Ultrasound-Assisted Extraction for Application in Active Packaging Films (2024) International Journal of Molecular Sciences, 25 (12), art. no. 6541

DOI: 10.3390/ijms25126541

DOCUMENT TYPE: Article

Pechlivani L., Ntemou N., Pantazi D., Alivertis D., Skobridis K., Tselepis A.D.

Synthesis of Novel Nilotinib Analogues and Biological Evaluation of Their Antiplatelet Activity and Functionality towards Cancer Cell Proliferation In Vitro (2024) Pharmaceuticals, 17 (3), art. no. 349 DOI: 10.3390/ph17030349

DOCUMENT TYPE: Article

Kefi M., Konstantinos P., Balabanidou V., Sarafoglou C., Tsakireli D., Douris V., Monastirioti M., Maréchal J.-D., Feyereisen R., Vontas J.

Insights into unique features of *Drosophila* CYP4G enzymes (2024) Insect Biochemistry and Molecular Biology, 164, art. no. 104041 DOI: 10.1016/j.ibmb.2023.104041

DOCUMENT TYPE: Article

Tzavellas N.P., Tsamis K.I., Katsenos A.P., Davri A.S., Simos Y.V., Nikas I.P., Bellos S., Lekkas P., Kanellos F.S., Konitsiotis S., Labrakakis C., Vezyraki P., Peschos D.

Firing Alterations of Neurons in Alzheimer's Disease: Are They Merely a Consequence of Pathogenesis or a Pivotal Component of Disease Progression? (2024) Cells, 13 (5), art. no. 434

DOI: 10.3390/cells13050434

DOCUMENT TYPE: Review

Paramithiotis S., Patra J.K., Kotseridis Y., Dimopoulou M.

Fermented Beverages Revisited: From Terroir to Customized Functional Products (2024) Fermentation, 10 (2), art. no. 74

DOI: 10.3390/fermentation10020074

DOCUMENT TYPE: Editorial

Domingos L.B., Müller H.K., da Silva N.R., Filiou M.D., Nielsen A.L., Guimarães F.S., Wegener G., Joca S.

Repeated cannabidiol treatment affects neuroplasticity and endocannabinoid signaling in the prefrontal cortex of the Flinders Sensitive Line (FSL) rat model of depression. (2024) Neuropharmacology, 248, art. no. 109870

DOI: 10.1016/j.neuropharm.2024.109870

DOCUMENT TYPE: Article

Bounas A., Catsadorakis G., Hatzilacou D., Naziridis T., Champagnon J., Crivelli A.J.

Differential colour-ring loss among Dalmatian Pelican (*Pelecanus crispus*) colonies and its consequence on survival estimates (2024) Avian Research, 15, art. no. 100166

DOI: 10.1016/j.avrs.2024.100166

DOCUMENT TYPE: Article

Bakratsas G., Antoniadis K., Athanasiou P.E., Katapodis P., Stamatis H.

Laccase and Biomass Production via Submerged Cultivation of *Pleurotus ostreatus*

Using Wine Lees (2024) Biomass (Switzerland), 4 (1), pp. 1 – 22 DOI:

10.3390/biomass4010001

DOCUMENT TYPE: Article

Pantazi D., Alivertis D., Tselepis A.D.

Underlying Mechanisms of Thrombosis Associated with Cancer and Anticancer

Therapies (2024) Current Treatment Options in Oncology, 25 (7), pp. 897 – 913 DOI:

10.1007/s11864-024-01210-7,

DOCUMENT TYPE: Article

Thomou C., Nussbaumer M., Grammenou E., Komini C., Vlaikou A.-M., Papageorgiou M.P., Filiou M.D.

Early Handling Exerts Anxiolytic Effects and Alters Brain Mitochondrial Dynamics in Adult High Anxiety Mice (2024) Molecular Neurobiology

DOI: 10.1007/s12035-024-04116-5

DOCUMENT TYPE: Article

Abbas H.A., Taha A.A., Sulaiman G.M., Al Ali A., Shmrany H.A., Stamatis H., Mohammed H.A., Khan R.A.

Antibacterial and hemocompatibility potentials of nano-gold-cored alginate preparation against anaerobic bacteria from acne vulgaris (2024) Scientific Reports, 14 (1), art. no. 6984 DOI: 10.1038/s41598-024-57643-5

DOCUMENT TYPE: Article

Alatzoglou C., Tzianni E.I., Patila M., Trachioti M.G., Prodromidis M.I., Stamatis H. Structure-Function Studies of Glucose Oxidase in the Presence of Carbon Nanotubes and Bio-Graphene for the Development of Electrochemical Glucose Biosensors (2024) Nanomaterials, 14 (1), art. no. 85  
DOI: 10.3390/nano14010085

DOCUMENT TYPE: Article

Marini Govigli V., Healey J.R., Wong J.L.G., Stara K., Tsakiris R., Halley J.M. Exploring spatial and temporal resilience in socio-ecological systems: Evidence from sacred forests in Epirus, Greece (2024) People and Nature, 6 (3), pp. 1206 - 1219  
DOI: 10.1002/pan3.10624

DOCUMENT TYPE: Article

Vasios A.-G., Skonta A., Patila M., Stamatis H.

Biocatalytic Performance of  $\beta$ -Glucosidase Immobilized on 3D-Printed Single- and Multi-Channel Polylactic Acid Microreactors

(2024) Micromachines, 15 (2), art. no. 288 DOI: 10.3390/mi15020288

DOCUMENT TYPE: Article

Chatzimitakos T.G., Leonardos I., Stalikas C.D.

Metabolomic Fingerprint Assay in Zebrafish Embryos (2024) Methods in Molecular Biology, 2753, pp. 495 – 502 DOI: 10.1007/978-1-0716-3625-1\_31

DOCUMENT TYPE: Book chapter

Liasko R., Anastasiadou C., Evangelopoulos A., Ntakis A., Leonardos I.  
Allometry of rostrum and sexual appendages in Hippolyte sapphica morphotypes  
(Crustacea: Decapoda: Hippolytidae) during the reproductive period (2024) Invertebrate  
Reproduction and Development DOI: 10.1080/07924259.2024.2356534  
DOCUMENT TYPE: Article

Tzirkalli E., Zografou K., Willemse L., Vogiatzakis I.N., Kati V.  
Conservation Prioritization of Orthoptera Assemblages on a Mediterranean Island  
(2024) Diversity, 16 (6), art. no. 347  
DOI: 10.3390/d16060347  
DOCUMENT TYPE: Article

Hua F., Wang W., Nakagawa S., Liu S., Miao X., Yu L., Du Z., Abrahamczyk S.,  
Arias-Sosa L.A., Buda K., Budka M., Carrière S.M., Chandler R.B., Chiatante G.,  
Chiawo D.O., Cresswell W., Echeverri A., Goodale E., Huang G., Hulme M.F., Hutto  
R.L., Imboma T.S., Jarrett C., Jiang Z., Kati V.I., King D.I., Kmec P., Li N., Lövei G.L.,  
Macchi L., MacGregor-Fors I., Martin E.A., Mira A., Morelli F., Ortega-Álvarez R., Quan  
R.-C., Salgueiro P.A., Santos S.M., Shahabuddin G., Socular J.B., Soh M.C.K., Sreekar  
R., Srinivasan U., Wilcove D.S., Yamaura Y., Zhou L., Elsen P.R.  
Ecological filtering shapes the impacts of agricultural deforestation on biodiversity  
(2024) Nature Ecology and Evolution, 8 (2), pp. 251 – 266 DOI:  
10.1038/s41559-023-02280-w  
DOCUMENT TYPE: Article

Papanikolaou N.A., Kakavoulia M., Ladias C., Papavassiliou A.G.  
The ras-related protein RAB22A interacts with hypoxia-inducible factor 1-alpha (HIF-1α)  
in MDA-MB-231 breast cancer cells in hypoxia (2024) Molecular Biology Reports, 51  
(1), art. no. 564 DOI: 10.1007/s11033-024-09516-3  
DOCUMENT TYPE: Article

Toli E.-A., Kemppainen P., Bounas A., Sotiropoulos K.  
Genetic insight into a polygenic trait using a novel genome-wide association approach  
in a wild amphibian population (2024) Molecular Ecology, 33 (9), art. no. e17344 DOI:  
10.1111/mec.17344  
DOCUMENT TYPE: Article

Baltzi E., Papaloukas C., Spandidos D.A., Michalopoulos I.

Genes encoding  $\gamma$ -glutamyl-transpeptidases in the allicin biosynthetic pathway in garlic (*Allium sativum*)  
(2024) Biomedical Reports, 20 (3), art. no. 45 DOI: 10.3892/br.2024.1733

Stefanidis A., Zografou K., Tzortzakaki O., Kati V. Orthoptera Community Dynamics and Conservation in a Natura 2000 Site (Greece): The Role of Beta Diversity  
(2024) Diversity, 16 (1), art. no. 11 DOI: 10.3390/d16010011  
DOCUMENT TYPE: Article

Karayanni H., Motsiou E., Sapountzi V., Meggou L., Pagkoutsou M., Triantafyllidi A., Markouti A.-K., Zervou S., Anastasopoulos S., Efthimiou G.  
Microbes and us: microbiology literacy in Greece (2024) FEMS Microbiology Letters, 371, art. no. fnae008  
DOI: 10.1093/femsle/fnae008  
DOCUMENT TYPE: Article

Papageorgiou M.P., Theodoridou D., Nussbaumer M., Syrrou M., Filiou M.D.  
Deciphering the Metabolome under Stress: Insights from Rodent Models (2024) Current Neuropharmacology, 22 (5), pp. 884 – 903 DOI:  
10.2174/1570159X21666230713094843  
DOCUMENT TYPE: Review

Assandri G., Bazzi G., Bermejo-Bermejo A., Bounas A., Calvario E., Catoni C., Catry I., Catry T., Champagnon J., De Pascalis F., de la Puente J., del Moral J.C., Duriez O., Evangelidis A., Gameiro J., García-Silveira D., Garcés-Toledano F., Jiguet F., Kordopatis P., Lopez-Ricaurte L., Martínez J., Mascara R., Mellone U., Molina B., Morinay J., Pilard P., Ramellini S., Rodríguez-Moreno B., Romero M., Sarà M., Saulnier N., Tsipopelas N., Urios V., Morganti M., Rubolini D., Cecere J.G.  
Assessing exposure to wind turbines of a migratory raptor through its annual life cycle across continents (2024) Biological Conservation, 293, art. no. 110592  
DOI: 10.1016/j.biocon.2024.110592  
DOCUMENT TYPE: Article

Athanasiou P.E., Gkountela C.I., Patila M., Fotiadou R., Chatzikonstantinou A.V., Vouyiouka S.N., Stamatis H.  
Laccase-Mediated Oxidation of Phenolic Compounds from Wine Lees Extract towards the Synthesis of Polymers with Potential Applications in Food Packaging  
(2024) Biomolecules, 14 (3), art. no. 323 DOI: 10.3390/biom14030323

DOCUMENT TYPE: Article

Papademas P., Paramithiotis S., Aspri M., Bintsis T., Anagnostopoulos D.A., Tsaltas D.

Editorial: Microbial communities in fermented products: current knowledge and future prospects (2024) *Frontiers in Microbiology*, 15, art. no. 1408480

DOI: 10.3389/fmicb.2024.1408480

DOCUMENT TYPE: Editorial

Skonta A., Bellou M.G., Matikas T.E., Stamatis H. Colorimetric Glucose

Biosensor Based on Chitosan Films and Its Application for Glucose Detection in

Beverages Using a Smartphone Application (2024) *Biosensors*, 14 (6), art. no. 299 DOI: 10.3390/bios14060299

DOCUMENT TYPE: Article

S., Favier M., Coulon J., Moine V., Paraskevopoulos I., Dimopoulou M.

New Insights into the Production of Assyrtiko Wines from the Volcanic Terroir of Santorini Island Using *Lachancea thermotolerans* (2024) *Microorganisms*, 12 (4), art. no. 786

DOI: 10.3390/microorganisms12040786

DOCUMENT TYPE: Article

Bounas A., Komini C., Toli E.-A., Talioura A., Sotiropoulos K., Barboutis C.

Expression patterns of heat-shock genes during stopover and the trade-off between refueling and stress response in a passerine migrant (2024) *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, 194 (1), pp. 1 - 6

DOI: 10.1007/s00360-023-01529-x

DOCUMENT TYPE: Article

Bakratsas G., Tsoumanis C., Stamatis H., Katapodis P.

Exopolysaccharide Production in Submerged Fermentation of *Pleurotus ostreatus* under Red and Green Light (2024) *Fermentation*, 10 (6), art. no. 313 DOI:

10.3390/fermentation10060313

DOCUMENT TYPE: Article

Theodoridou D., Tsiantis C.-O., Vlaikou A.-M., Chondrou V., Zakopoulou V.,

Christodoulides P., Oikonomou E.D., Tzimourta K.D., Kostoulas C., Tzallas A.T., Tsamis K.I., Peschos D., Sgourou A., Filiou M.D., Syrrou M.

Developmental Dyslexia: Insights from EEG-Based Findings and Molecular

Signatures—A Pilot Study (2024) Brain Sciences, 14 (2), art. no. 139

DOI: 10.3390/brainsci14020139

DOCUMENT TYPE: Article

Athanasiou P.E., Patila M., Fotiadou R., Chatzikonstantinou A.V., Stamatis H.

Valorization of Wine Lees: Assessment of Antioxidant, Antimicrobial and Enzyme Inhibitory Activity of Wine Lees Extract and Incorporation in Chitosan Films (2024)

Waste and Biomass Valorization DOI: 10.1007/s12649-024-02524-1

DOCUMENT TYPE: Article

Paramithiotis S., Patra J.K., Kotseridis Y., Dimopoulou M.

Fermented Beverages Revisited: From Terroir to Customized Functional Products

(2024) Fermentation, 10 (1), art. no. 57

DOI: 10.3390/fermentation10010057

DOCUMENT TYPE: Review

Chatzikonstantinou A.V., Bellou M.G., Spyrou S., Papanikolaou A., Simos Y.V., Peschos D., Stamatis H.

Enhancement of the biological activity of hydroxytyrosol through its oxidation by laccase from *Trametes versicolor* (2024) Journal of Biotechnology, 385, pp. 30 - 41

DOI: 10.1016/j.jbiotec.2024.02.011

DOCUMENT TYPE: Article

Stipoljev S., Buzan E., Iacolina L., Safner T., Rezić A., Galov A., Križanović K., Ambarli H., Arnal M.C., Babaev E., Bego F., Farkas A., Gačić D., Lazar P., Maletić V., Markov G., Milošević D., Papaioannou H., Scandura M., Šprem N.

Diversity of MHC class II DRB alleles in the Northern chamois genus *Rupicapra* (2024)

Journal of Mammalogy, 105 (2), pp. 312 – 322 DOI: 10.1093/jmammal/gya008

DOCUMENT TYPE: Article

## 2023

Kaltsas A., Moustakli E., Zikopoulos A., Georgiou I., Dimitriadis F., Symeonidis E.N., Markou E., Michaelidis T.M., Tien D.M.B., Giannakis I., Ioannidou E.M., Papatsoris A., Tsounapi P., Takenaka A., Sofikitis N., Zachariou

A. Impact of Advanced Paternal Age on Fertility and Risks of Genetic Disorders in Offspring (2023) Genes, 14 (2), art. no. 486

DOI: 10.3390/genes14020486

DOCUMENT TYPE: Review

Ladias C., Papakotoulas P., Papaioannou M., Papanikolaou N.A.

Overcoming phenotypic switching: targeting protein-protein interactions in cancer

(2023) Exploration of Targeted Anti-tumor Therapy, 4 (5), pp. 1071 - 1081

DOI: 10.37349/etat.2023.00181

DOCUMENT TYPE: Review

Papanikolaou E., Simos Y.V., Spyrou K., Tzianni E.I., Vezyraki P., Tsamis K., Patila M., Tigas S., Prodromidis M.I., Gournis D.P., Stamatis H., Peschos D., Dounousi E.

Is graphene the rock upon which new era continuous glucose monitors could be built?

(2023) Experimental Biology and Medicine, 248 (1), pp. 14 - 25

DOI: 10.1177/15353702221134105

DOCUMENT TYPE: Short survey

Takis P.G., Aggelidou V.A., Sands C.J., Louka A.

Mapping of <sup>1</sup>H NMR chemical shifts relationship with chemical similarities for the acceleration of metabolic profiling: Application on blood products

(2023) Magnetic Resonance in Chemistry, 61 (12), pp. 759 - 769

DOI: 10.1002/mrc.5392

DOCUMENT TYPE: Article

Dimou M.D., Monokrousos N., Katapodis P., Diamantopoulou P.A., Argyropoulou M.D., Papatheodorou E.M.

Use of Microbially Treated Olive Mill Wastewaters as Soil Organic Amendments; Their Short-Term Effects on the Soil Nematode Community (2023) Diversity, 15 (4), art. no.

497 DOI: 10.3390/d15040497

DOCUMENT TYPE: Article

Morris G., Avoli M., Bernard C., Connor K., de Curtis M., Dulla C.G., Jefferys J.G.R., Psarropoulou C., Staley K.J., Cunningham M.O.

Can in vitro studies aid in the development and use of antiseizure therapies? A report of the ILAE/AES Joint Translational Task Force

(2023) Epilepsia, 64 (10), pp. 2571 – 2585 DOI: 10.1111/epi.17744

DOCUMENT TYPE: Article

Eisen K.E., Boutsi S., Halley J.M., Pace L., Petrén H., Thosterman H., Friberg M. Honest floral signalling traits vary across and within populations in an insect-pollinated plant (2023) *Functional Ecology*, 37 (9), pp. 2511 – 2522 DOI: 10.1111/1365-2435.14405  
DOCUMENT TYPE: Article

Alatzoglou C., Patila M., Giannakopoulou A., Spyrou K., Yan F., Li W., Chalmpes N., Polydera A.C., Rudolf P., Gournis D., Stamatis H. Development of a Multi-Enzymatic Biocatalytic System through Immobilization on High Quality Few-Layer bio-Graphene (2023) *Nanomaterials*, 13 (1), art. no. 127 DOI: 10.3390/nano13010127  
DOCUMENT TYPE: Article

Toli E.-A., Bounas A., Christopoulos A., Pafilis P., Sotiropoulos K. Phylogenetic analysis of the critically endangered Karpathos water frog (Anura, Amphibia): conservation insights from complete mitochondrial genome sequencing (2023) *Amphibia Reptilia*, 44 (3), pp. 277 – 287 DOI: 10.1163/15685381-bja10138  
DOCUMENT TYPE: Article

Bakratsas G., Polydera A., Nilson O., Kossatz L., Xiros C., Katapodis P., Stamatis H. Single-cell protein production by Pleurotus ostreatus in submerged fermentation (2023) *Sustainable Food Technology*, 1 (3), pp. 377 – 389 DOI: 10.1039/d2fb00058j  
DOCUMENT TYPE: Article

Bakratsas G., Polydera A., Nilson O., Chatzikonstantinou A.V., Xiros C., Katapodis P., Stamatis H. Mycoprotein Production by Submerged Fermentation of the Edible Mushroom Pleurotus ostreatus in a Batch Stirred Tank Bioreactor Using Agro-Industrial Hydrolysate (2023) *Foods*, 12 (12), art. no. 2295 DOI: 10.3390/foods12122295  
DOCUMENT TYPE: Article

Papanikolaou E., Simos Y.V., Spyrou K., Patila M., Alatzoglou C., Tsamis K., Vezyraki P., Stamatis H., Gournis D.P., Peschos D., Dounousi E. Does Green Exfoliation of Graphene Produce More Biocompatible Structures? (2023) *Pharmaceutics*, 15 (3), art. no. 993  
DOI: 10.3390/pharmaceutics15030993  
DOCUMENT TYPE: Article

Symeonidou E., Halley J.M.

Unavoidable Extinctions in Ecosystems of Extreme Isolation 2023) Astrobiology, 23 (9), pp. 951 – 958, DOI: 10.1089/ast.2022.0116

DOCUMENT TYPE: Article

Anastasiadou C., Liasko R., Leonardos I.

Morphotype induced changes in the life history and population dynamics of an hippolytid shrimp (2023) Scientific Reports, 13 (1), art. no. 20581 DOI:

10.1038/s41598-023-47834-x

DOCUMENT TYPE: Article

Robbemont J., van Veldhuijzen S., Allain S.J.R., Ambu J., Boyle R., Canestrelli D., Cathasaigh E.O., Cathrine C., Chiocchio A., Cogalniceanu D., Cvijanović M., Dufresnes C., Ennis C., Gandola R., Jablonski D., Julian A., Kranželić D., Luknov S., Martínez-Solano I., Montgomery R., Naumov B., O'Neill M., North A., Pabijan M., Pushendorf R., Salvi D., Schmidt B., Sotiropoulos K., Stanescu F., Stanković D., Stapleton S., Šunje E., Szabolcs M., Vacheva E., Willis D., Zimić A., France J., Meilink W.R.M., Stark T., Struijk R.P.J.H., Theodoropoulos A., de Visser M.C., Wielstra B.

An extended mtDNA phylogeography for the alpine newt illuminates the provenance of introduced populations (2023) Amphibia Reptilia, 44 (3), pp. 347 – 361 DOI:

10.1163/15685381-bja10144

DOCUMENT TYPE: Article

Fotiadou R., Lefas D., Vougiouklaki D., Tsakni A., Houhoula D., Stamatis H.

Enzymatic Modification of Pomace Olive Oil with Natural Antioxidants: Effect on Oxidative Stability

(2023) Biomolecules, 13 (7), art. no. 1034 DOI: 10.3390/biom13071034

DOCUMENT TYPE: Article

Grigoropoulou A., Hamid S.A., Acosta R., Akindele E.O., Al-Shami S.A., Altermatt F., Amatulli G., Angeler D.G., Arimoro F.O., Aroviita J., Astorga-Roine A., Bastos R.C., Bonada N., Boukas N., Brand C., Bremerich V., Bush A., Cai Q., Callisto M., Chen K., Cruz P.V., Dangles O., Death R., Deng X., Domínguez E., Dudgeon D., Eriksen T.E., Faria A.P.J., Feio M.J., Fernández-Aláez C., Flory M., García-Criado F., García-Girón J., Graf W., Grönroos M., Haase P., Hamada N., He F., Heino J., Holzenthal R., Huttunen K.-L., Jacobsen D., Jähnig S.C., Jetz W., Johnson R.K., Juen L., Kalkman V., Kati V., Keke U.N., Koroiva R., Kuemmerlen M., Langhans S.D., Ligeiro R., Van Looy K., Maasri A., Marchant R., Garcia Marquez J.R., Martins R.T., Melo A.S., Metzeling L.,

Miserendino M.L., Moe S.J., Molineri C., Muotka T., Mustonen K.-R., Mykrä H., Cavalcante do Nascimento J.M., Valente-Neto F., Neu P.J., Nieto C., Pauls S.U., Paulson D.R., Rios-Touma B., Rodrigues M.E., de Oliveira Roque F., Salazar Salina J., Schmera D., Schmidt-Kloiber A., Shah D., Simaika J.P., Siqueira T., Tachamo-Shah R.D., Theischinger G., Thompson R., Tonkin J.D., Torres-Cambas Y., Townsend C., Turak E., Twardochleb L., Wang B., Yanygina L., Zamora-Muñoz C., Domisch S. The global EPTO database: Worldwide occurrences of aquatic insects (2023) Global Ecology and Biogeography, 32 (5), pp. 642 – 655 DOI: 10.1111/geb.13648  
DOCUMENT TYPE: Article

Bounas A., Komini C., Talioura A., Toli E.-A., Sotiropoulos K., Barboutis C. Adaptive Regulation of Stopover Refueling during Bird Migration: Insights from Whole Blood Transcriptomics (2023) Genome Biology and Evolution, 15 (4), art. no. evad061 DOI: 10.1093/gbe/evad061  
DOCUMENT TYPE: Article

Safakas K., Giotopoulou I., Giannakopoulou A., Katerinopoulou K., Lainioti G.C., Stamatis H., Barkoula N.-M., Ladavos A. Designing Antioxidant and Antimicrobial Polyethylene Films with Bioactive Compounds/Clay Nanohybrids for Potential Packaging Applications (2023) Molecules, 28 (7), art. no. 2945 DOI: 10.3390/molecules28072945  
DOCUMENT TYPE: Article

Kattan F.-G., Koukouraki P., Anagnostopoulos A.K., Tsangaris G.T., Doxakis E. RNA binding protein AUF1/HNRNPD regulates nuclear export, stability and translation of SNCA transcripts (2023) Open Biology, 13 (11), art. no. 230158 DOI: 10.1098/rsob.230158  
DOCUMENT TYPE: Article

Danelis T., Theodoropoulos A., Toli E.-A., Bounas A., Korakis A., Sotiropoulos K. Defining Evolutionary Conservation Units in the Macedonian Crested Newt, *Triturus macedonicus* (Amphibia; Salamandridae), in a Biodiversity Hotspot (2023) Diversity, 15 (5), art. no. 671 DOI: 10.3390/d15050671  
DOCUMENT TYPE: Article

Petridou M., Benson J.F., Gimenez O., Kati V.

Spatiotemporal Patterns of Wolves, and Sympatric Predators and Prey Relative to Human Disturbance in Northwestern Greece (2023) Diversity, 15 (2), art. no. 184 DOI: 10.3390/d15020184

DOCUMENT TYPE: Article

Koloi A., Loukas V.S., Sakellarios A., Bosch J.A., Quax R., Nowakowska K., Tachos N., Kaźmierski J., Papaloukas C., Fotiadis D.

A comparison study on creating simulated patient data for individuals suffering from chronic coronary disorders (2023) Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS DOI: 10.1109/EMBC40787.2023.10340194

DOCUMENT TYPE: Conference paper

Barbouthis C., Bounas A., Navarrete E., Fransson T. Stopover

Ecology of the European Turtle Dove (*Streptopelia turtur*), a Threatened Migratory Bird Species, after the Crossing of an Extended Ecological Barrier (2023) Birds, 4 (2), pp. 202 – 212 DOI: 10.3390/birds4020017

DOCUMENT TYPE: Article

Halley J.M., Pimm S.L.

The rate of species extinction in declining or fragmented ecological communities (2023) PLoS ONE, 18 (7 July), art. no. e0285945 DOI: 10.1371/journal.pone.0285945

DOCUMENT TYPE: Article

Kosma A., Pantazi D., Voulgari P., Ntemou N., Brentas A., Alivertis D., Siskos M.G., Tselepis A.D., Skobridis K.

Expressing Enhanced Inhibitory Effects toward Arachidonic Acid Induced Platelet Activation: Design, Synthesis, DFT Calculations and in vitro Evaluation of Imatinib Analogues (2023) ChemistrySelect, 8 (11), art. no. e202200405

DOI: 10.1002/slct.202200405

DOCUMENT TYPE: Article

Ticktin T., Charitonidou M., Douglas J., Halley J.M., Hernández-Apolinar M., Liu H., Mondragón D., Pérez-García E.A., Tremblay R.L., Phelps J. Wild orchids: A framework for identifying and improving sustainable harvest (2023) Biological Conservation, 277, art. no. 109816 DOI: 10.1016/j.biocon.2022.109816

DOCUMENT TYPE: Review

Taouktsi E., Kyriakou E., Voulgaraki E., Verganelakis D., Krokou S., Rigas S., Voutsinas G.E., Syntichaki P.

Mitochondrial p38 Mitogen-Activated Protein Kinase: Insights into Its Regulation of and Role in LONP1-Deficient Nematodes (2023) International Journal of Molecular Sciences, 24 (24), art. no. 17209 DOI: 10.3390/ijms242417209

DOCUMENT TYPE: Article

Natsi A., Valkanou M., Anousi E., Labrakakis C.

Differential behavioral response to predator odor in neuropathic pain in mice (2023)

Frontiers in Pain Research, 4, art. no. 1283550 DOI: 10.3389/fpain.2023.1283550

DOCUMENT TYPE: Article

Bounas A., Catsadorakis G., Naziridis T., Bino T., Hatzilacou D., Malakou M., Onmus O., Siki M., Simeonov P., Crivelli A.J.

Site fidelity and determinants of wintering decisions in the Dalmatian pelican (*Pelecanus crispus*) (2023) Ethology Ecology and Evolution, 35 (4), pp. 434 – 448 DOI:

10.1080/03949370.2022.2094471

DOCUMENT TYPE: Article

Korakaki E., Simos Y.V., Karouta N., Spyrou K., Zygouri P., Gournis D.P., Tsamis K.I., Stamatis H., Dounousi E., Vezyraki P., Peschos D.

Effect of Highly Hydrophilic Superparamagnetic Iron Oxide Nanoparticles on Macrophage Function and Survival (2023) Journal of Functional Biomaterials, 14 (10), art. no. 514 DOI: 10.3390/jfb14100514

DOCUMENT TYPE: Article

Kati V., Kassara C., Panagos P., Tampouratzi L., Gotsis D., Tzortzakaki O., Petridou M., Psaralexi M., Sidiropoulos L., Vasilakis D., Zakkak S., Galani A., Mpoukas N.

The overlooked threat of land take from wind energy infrastructures: Quantification, drivers and policy gaps (2023) Journal of Environmental Management, 348, art. no. 119340

DOI: 10.1016/j.jenvman.2023.119340

DOCUMENT TYPE: Article

Petridou M., Benson J.F., Gimenez O., Iliopoulos Y., Kati V.

Do husbandry practices reduce depredation of free-ranging livestock? A case study with wolves in Greece (2023) Biological Conservation, 283, art. no. 110097 DOI:

10.1016/j.biocon.2023.110097

DOCUMENT TYPE: Article

Maleki H., Doostan M., Shojaei S., Doostan M., Stamatis H., Gkantzou E., Bonkdar A., khoshnevisan K.

Nanofiber-based systems against skin cancers: Therapeutic and protective approaches (2023) Journal of Drug Delivery Science and Technology, 82, art. no. 104367 DOI: 10.1016/j.jddst.2023.104367

DOCUMENT TYPE: Review

Malliou F., Andriopoulou C.E., Kofinas A., Katsogridaki A., Leondaritis G., Gonzalez F.J., Michaelidis T.M., Darsinou M., Skaltsounis L.A., Konstandi M.

Oleuropein Promotes Neural Plasticity and Neuroprotection via PPAR $\alpha$ -Dependent and Independent Pathways (2023) Biomedicines, 11 (8), art. no. 2250 DOI: 10.3390/biomedicines11082250

DOCUMENT TYPE: Article

Papanikolaou A., Chatzikonstantinou A.V., Zarafeta D., Kourkoumelis N., Skretas G., Pavlidis I.V., Stamatis H.

Substrate Specificity of the Highly Thermostable Esterase EstDZ3 (2023) ChemBioChem, 24 (5), art. no. e202200642 DOI: 10.1002/cbic.202200642

DOCUMENT TYPE: Article

Labrakakis C. T

he Role of the Insular Cortex in Pain (2023) International Journal of Molecular Sciences, 24 (6), art. no. 5736 DOI: 10.3390/ijms24065736

DOCUMENT TYPE: Review

Zorzompokou C., Ipeirotis M., Martzoukos M.K., Marangos P.

Detection of DNA Double-Stranded Breaks in Mouse Oocytes (2023) Journal of Visualized Experiments, 2023 (196), art. no. e65494 DOI: 10.3791/65494

DOCUMENT TYPE: Article

Karydis-Messinis A., Moschovas D., Markou M., Gkantzou E., Vasileiadis A., Tsirka K., Gioti C., Vasilopoulos K.C., Bagli E., Murphy C., Salmas C.E., Giannakas A.E., Hatziloukas E., Stamatis H., Paipetis A., Karakassides M.A., Avgeropoulos A., Zafeiropoulos N.E. Development, physicochemical characterization and in vitro evaluation of chitosan-fish gelatin-glycerol hydrogel membranes for wound treatment applications.

(2023) Carbohydrate Polymer Technologies and Applications, 6, art. no. 100338

DOI: 10.1016/j.carpta.2023.100338

DOCUMENT TYPE: Article

Newmark W.D., Halley J.M., Beier P., Cushman S.A., McNeally P.B., Soulé M.E.

Enhanced regional connectivity between western North American national parks will increase persistence of mammal species diversity (2023) Scientific Reports, 13 (1), art. no. 474 DOI: 10.1038/s41598-022-26428-z

DOCUMENT TYPE: Article

Ntinopoulou M., Cassimos D., Roupakia E., Kolettas E., Panopoulou M., Mantadakis E., Konstantinidis T., Chrysanthopoulou A. I

Interleukin-17A-Enriched Neutrophil Extracellular Traps Promote Immunofibrotic Aspects of Childhood Asthma Exacerbation (2023) Biomedicines, 11 (8), art. no. 2104 DOI:

10.3390/biomedicines11082104

DOCUMENT TYPE: Article

Katsarou D.N., Georga E.I., Christou M., Tigas S., Papaloukas C., Fotiadis D.I.

An Exploratory Study of the Value of Vital Signs on the Short-Term Prediction of Subcutaneous Glucose Concentration in Type 1 Diabetes – The GlucoseML Study (2023) Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, 488 LNICST, pp. 450 – 459 DOI:

10.1007/978-3-031-34586-9\_30

DOCUMENT TYPE: Conference paper

Karageorgou D., Rova U., Christakopoulos P., Katapodis P., Matsakas L., Patel A.

Benefits of supplementation with microbial omega-3 fatty acids on human health and the current market scenario for fish-free omega-3 fatty acid (2023) Trends in Food Science and Technology, 136, pp. 169 – 180 DOI: 10.1016/j.tifs.2023.04.018

DOCUMENT TYPE: Review

Toli E.-A., Zacharopoulou P., Bounas A., Kati V., Sotiropoulos K.

Conservation genetics of the steno-endemic Chorthippus lacustris (Orthoptera: Acrididae) (2023) Journal of Insect Conservation, 27 (6), pp. 907 – 916 DOI: 10.1007/s10841-023-00507-6

DOCUMENT TYPE: Article

Arvaniti E., Levizou E., Kyparissis A.

Near-Zero Temperatures Arrest Movement of the Diaheliotropic *Malva sylvestris* (2023)

Plants, 12 (13), art. no. 2484 DOI: 10.3390/plants12132484

DOCUMENT TYPE: Article

Bounas A., Saravia-Mullin V., Méndez M., Arkumarev V., Aghajanyan L., Ararat K., Buechley E., Dobrev V., Dobrev D., Efrat R., Klisurov I., Kret E., Skartsi T., Oppel S., Petrov R., Şekercioğlu Ç.H., Vaidl A., Donázar J.A., Nikolov S.C., Sotiropoulos K.

Assessing genetic diversity patterns at neutral and adaptive loci to inform population reinforcement of an endangered migratory vulture (2023) Journal of Ornithology, 164 (3), pp. 677 – 688 DOI: 10.1007/s10336-023-02048-w

DOCUMENT TYPE: Article

Nikolopoulou I., Piperagkas O., Moschos S., Karayanni H.

Bacteria Release from Microplastics into New Aquatic Environments (2023) Diversity, 15 (1), art. no. 115 DOI: 10.3390/d15010115

DOCUMENT TYPE: Article

Daneli A., Koulouri P., Tzima C., Chatzichristodoulou I., Andreou L.-V.

Introducing Video Art in STEM Education Alleviates Negative Academic Emotion (2023)

IEEE Global Engineering Education Conference, EDUCON, 2023-May DOI:

10.1109/EDUCON54358.2023.10125134

DOCUMENT TYPE: Conference paper

Bellou M.G., Patila M., Fotiadou R., Spyrou K., Yan F., Rudolf P., Gournis D.P., Stamatis H.

Tyrosinase Magnetic Cross-Linked Enzyme Aggregates: Biocatalytic Study in Deep Eutectic Solvent Aqueous Solutions (2023) Biomolecules, 13 (4), art. no. 643

DOI: 10.3390/biom13040643

DOCUMENT TYPE: Article

Giotopoulou I., Fotiadou R., Stamatis H., Barkoula N.-M.

Development of Low-Density Polyethylene Films Coated with Phenolic Substances for Prolonged Bioactivity (2023) Polymers, 15 (23), art. no. 4580 DOI:

10.3390/polym15234580

DOCUMENT TYPE: Article

Kati V., Petridou M., Tzortzakaki O., Papantoniou E., Galani A., Psaralexi M., Gotsis D., Papaioannou H., Kassara C.

How much wilderness is left? A roadless approach under the Global and the European Biodiversity Strategy focusing on Greece (2023) Biological Conservation, 281, art. no. 110015 DOI: 10.1016/j.biocon.2023.110015

DOCUMENT TYPE: Article

Dardavila M.M., Pappou S., Savvidou M.G., Louli V., Katapodis P., Stamatis H., Magoulas K., Voutsas E.

Extraction of Bioactive Compounds from *C. vulgaris* Biomass Using Deep Eutectic Solvents (2023) Molecules, 28 (1), art. no. 415 DOI: 10.3390/molecules28010415

DOCUMENT TYPE: Article

Nathanailides C., Kolygas M., Tsoumani M., Gouva E., Mavraganis T., Karayanni H. Addressing Phosphorus Waste in Open Flow Freshwater Fish Farms: Challenges and Solutions (2023) Fishes, 8 (9), art. no. 442 DOI: 10.3390/fishes8090442

DOCUMENT TYPE: Review

Tsirka G., Zikopoulos A., Papageorgiou K., Kostoulas C., Tsigkas I., Moustakli E., Kaltsas A., Sarafi E., Michaelidis T.M., Georgiou I.

The Ratio of cf-mtDNA vs. cf-nDNA in the Follicular Fluid of Women Undergoing IVF Is Positively Correlated with Age (2023) Genes, 14 (7), art. no. 1504 DOI: 10.3390/genes14071504

DOCUMENT TYPE: Article

Bounas A., Karta E., Navarrete E., Sidiropoulos L., Alivizatos H.

Diet composition of White-Tailed Eagles inhabiting two adjacent inland lakes in Northern Greece (2023) Raptor Journal, 17 (1), pp. 15 – 24 DOI: 10.2478/srj-2023-0002

DOCUMENT TYPE: Article

## 2022

Koukounaras A., Mellidou I., Patelou E., Kostas S., Shukla V., Engineer C., Papaefthimiou D., Amari F., Chatzopoulos D., Mattoo A.K., Kanellis A.K.

Over-expression of GGP1 and GPP genes enhances ascorbate content and nutritional quality of tomato (2022) Plant Physiology and Biochemistry, 193, pp. 124 – 138 DOI: 10.1016/j.plaphy.2022.10.023

DOCUMENT TYPE: Article

Kalogeropoulos K., Kleidonas D., Psarropoulou C.  
Timing differences between HFOs and interictal epileptiform discharges generated in vitro by different mechanisms in rat hippocampal slices: A novel approach (2022) Epilepsia Open, 7 (4), pp. 608 – 615 DOI: 10.1002/epi4.12633  
DOCUMENT TYPE: Article

Fotiadou R., Bellou M.G., Spyrou K., Yan F., Rudolf P., Gournis D., Stamatis H.  
Effect of deep eutectic solvents on the biocatalytic properties of  $\beta$ -glucosidase@ZnOFe nano-biocatalyst (2022) Sustainable Chemistry and Pharmacy, 30, art. no. 100886 DOI: 10.1016/j.scp.2022.100886  
DOCUMENT TYPE: Article

Papagoras C., Tsiami S., Chrysanthopoulou A., Mitroulis I., Baraliakos X.  
Serum granulocyte-macrophage colony-stimulating factor (GM-CSF) is increased in patients with active radiographic axial spondyloarthritis and persists despite anti-TNF treatment (2022) Arthritis Research and Therapy, 24 (1), art. no. 195 DOI: 10.1186/s13075-022-02888-6  
DOCUMENT TYPE: Article

Ioannidis P., Buer B., Ilias A., Kaforou S., Aivaliotis M., Orfanoudaki G., Douris V., Geibel S., Vontas J., Denecke S.  
A spatiotemporal atlas of the lepidopteran pest Helicoverpa armigera midgut provides insights into nutrient processing and pH regulation (2022) BMC Genomics, 23 (1), art. no. 75 DOI: 10.1186/s12864-021-08274-x  
DOCUMENT TYPE: Article

Karageorgou D., Sainis I., Touka A., Vareli K., Stamatis H., Katapodis P.  
Biomass and  $\beta$ -Glucosidase Production by the Cyanobacterium *Pseudanabaena* sp. under Heterotrophic Conditions (2022) Biomass (Switzerland), 2 (4), pp. 299 – 315 DOI: 10.3390/biomass2040020  
DOCUMENT TYPE: Article

Chousidis I., Chatzimitakos T., Stalikas C., Leonardos I.  
Untargeted Metabolomics Associated with Behavioral and Toxicological Studies Yield Insights into the Impact of 2,6-Dichloro-3-hydroxy-1,4-benzoquinone Disinfection By-Product on Zebrafish Larvae (2022) Fishes, 7 (6), art. no. 368 DOI: 10.3390/fishes7060368

DOCUMENT TYPE: Article

Komini C., Bounas A.

Recovery of RNA from avian nucleated whole blood stored under field conditions: an evaluation of commercial methods (2022) British Poultry Science, 63 (5), pp. 730 – 734  
DOI: 10.1080/00071668.2022.2061838

DOCUMENT TYPE: Article

Gonzalez Malagon S.G., Liu K.J.

Linking neural crest development to neuroblastoma pathology (2022) Development (Cambridge, England), 149 (15) DOI: 10.1242/dev.200331

DOCUMENT TYPE: Article

Vagenas G., Stoumboudi M.T., Petriki O., Andriopoulou A., Tsionki I., Karachle P.K.

Dietary patterns of five freshwater fish species in a large Mediterranean lake (2022) Journal of Freshwater Ecology, 37 (1), pp. 203 – 220 DOI:

10.1080/02705060.2022.2034674

DOCUMENT TYPE: Article

Tadatsu M., Sakashita R., Panteleri R., Douris V., Vontas J., Shimotsuma Y., Ishida T., Sudo M., Van Leeuwen T., Osakabe M.

A mutation in chitin synthase I associated with etoxazole resistance in the citrus red mite *Panonychus citri* (Acari: Tetranychidae) and its uneven geographical distribution in Japan (2022) Pest Management Science, 78 (10), pp. 4028 – 4036 DOI:

10.1002/ps.7021

DOCUMENT TYPE: Article

Dobrev D., Tsiakiris R., Skartsi T., Dobrev V., Arkumarev V., Stara K., Stamenov A., Probonas N., Kominos T., Galanaki A., Kret E., Hallmann B.E.N., Grubač B., Sušić G., Marinkovic S., Hribšek I., Skoric S., Jerrentrup H., Lucic V., Kapelj S., Stoyanov G., Zakkak S., Hristov H., Stoychev S., Sidiropoulos L., Bino T., Demerdzhiev D.

Long-term size and range changes of the Griffon Vulture *Gyps fulvus* population in the Balkans: a review (2022) Bird Conservation International, 32 (2), pp. 206 – 221 DOI:

10.1017/S0959270921000198

DOCUMENT TYPE: Review

Chatzimitakos T., Chousidis I., Leonardos D., Stalikas C., Leonardos I.

In the Swim of Cannabis: Developmental Toxicity and Metabolomic Pathway Alterations of Zebrafish Larvae Exposed to THC for the Assessment of Its Potential Environmental and Human Health Impact (2022) Molecules, 27 (17), art. no. 5506 DOI: 10.3390/molecules27175506

DOCUMENT TYPE: Article

Asimakoula S., Giannakopoulou A., Lappa E., Tsagogiannis E., Primikyri A., Stamatis H., Koukkou A.-I.

Characterization of Gentisate 1,2-Dioxygenase from Pseudarthrobacter phenanthrenivorans Sphe3 and Its Stabilization by Immobilization on Nickel-Functionalized Magnetic Nanoparticles (2022) Applied Microbiology, 2 (1), pp. 113 – 132 DOI: 10.3390/applmicrobiol2010007

DOCUMENT TYPE: Article

Tsiomita S., Liveri E.M., Vardaka P., Vogiatzi A., Skiadaresis A., Saridis G., Tsigkas I., Michaelidis T.M., Mavrothalassitis G., Thyphronitis G.

ETS2 repressor factor (ERF) is involved in T lymphocyte maturation acting as regulator of thymocyte lineage commitment (2022) Journal of Leukocyte Biology, 112 (4), pp. 641 – 657 DOI: 10.1002/JLB.1A0720-439R

DOCUMENT TYPE: Article

Zannini P., Frascaroli F., Nascimbene J., Halley J.M., Stara K., Cervellini M., Di Musciano M., De Vigili F., Rocchini D., Piovesan G., Alessi N., Chiarucci A.

Investigating sacred natural sites and protected areas for forest area changes in Italy (2022) Conservation Science and Practice, 4 (8), art. no. e12695 DOI: 10.1111/csp2.12695

DOCUMENT TYPE: Article

Naki M., Gourdomichali O., Zonke K., Kattan F.-G., Makridakis M., Kontostathi G., Vlahou A., Doxakis E.

APEX2-Mediated Proximity Labeling Resolves the DDIT4-Interacting Proteome (2022) International Journal of Molecular Sciences, 23 (9), art. no. 5189 DOI: 10.3390/ijms23095189

DOCUMENT TYPE: Article

Theocharidi N.A., Balta I., Houhoula D., Tsantes A.G., Lalliotis G.P., Polydera A.C., Stamatis H., Halvatsiotis P.

High Prevalence of *Klebsiella pneumoniae* in Greek Meat Products: Detection of Virulence and Antimicrobial Resistance Genes by Molecular Techniques (2022) Foods, 11 (5), art. no. 708 DOI: 10.3390/foods11050708

DOCUMENT TYPE: Article

Giannakopoulou A., Chatzikonstantinou A.V., Tsakni A., Chochos C.L., Houhoula D., Stamatis H.

A Bi-enzymatic Immobilized Nanobiocatalyst for the Biotransformation of Oleuropein to Hydroxytyrosol (2022) Methods in Molecular Biology, 2487, pp. 279 – 296 DOI: 10.1007/978-1-0716-2269-8\_17

DOCUMENT TYPE: Book chapter

Pezoulas V.C., Kourou K.D., Papaloukas C., Triantafyllia V., Lampropoulou V., Siouti E., Papadaki M., Salagianni M., Koukaki E., Rovina N., Koutsoukou A., Andreakos E., Fotiadis D.I.

A Multimodal Approach for the Risk Prediction of Intensive Care and Mortality in Patients with COVID-19 (2022) Diagnostics, 12 (1), art. no. 56 DOI: 10.3390/diagnostics12010056

DOCUMENT TYPE: Article

Stara K., Saravia-Mullin V., Tsiakiris R., Adefolu S., Akyol A., Akyol R.İ., Asswad N.G., Çetin T., Dayyoub M., Dushi G., Ivande S.T., Kordopatis P., Kret E., Özuslu S., Petrovski N., Simeonova I., Spassova Y., Qaneer T.E., Pourchier C., Saad L.J., ElSafoury H., Topi M., Trajce A., Ziu D., Nikolov S.C.

Following the White Vulture: Ethno-ornithology along the Flyway of the Egyptian Vulture (*Neophron percnopterus*) (2022) Human Ecology, 50 (4), pp. 725 – 738 DOI: 10.1007/s10745-022-00340-6

DOCUMENT TYPE: Article

Pailas A., Niaka K., Zorzompokou C., Marangos P.

The DNA Damage Response in Fully Grown Mammalian Oocytes (2022) Cells, 11 (5), art. no. 798 DOI: 10.3390/cells11050798

DOCUMENT TYPE: Review

Karouta N., Simos Y.V., Basina G., Spyrou K., Subrati M., Chatzikonstantinou A.V., Hammami M.A., Tzitzios V., Alhassan S.M., Al Wahedi Y., Douvalis A.P., Hadjipanayis G.C., Tsamis K., Dounousi E., Markopoulos G.S., Bellou S., Georgakilas V., Peschos D., Sideratou Z., Stamatis H., Gournis D.P., Giannelis E.P.

Highly Hydrophilic Oleylamine-Modified Superparamagnetic Iron Oxide Nanoparticles for Biomedical Applications (2022) ACS Applied Nano Materials DOI: 10.1021/acsanm.2c04006  
DOCUMENT TYPE: Article

Charitonidou M., Kougioumoutzis K., Karypidou M.C., Halley J.M.  
'Fly to a Safer North': Distributional Shifts of the Orchid *Ophrys insectifera* L. Due to Climate Change (2022) Biology, 11 (4), art. no. 497 DOI: 10.3390/biology11040497  
DOCUMENT TYPE: Article

Orsucci M., Yang X., Vanikiotis T., Guerrina M., Duan T., Lascoux M., Glémin S.  
Competitive ability depends on mating system and ploidy level across *Capsella* species (2022) Annals of Botany, 129 (6), pp. 697 – 708 DOI: 10.1093/aob/mcac044  
DOCUMENT TYPE: Article

Turck C.W., Webhofer C., Reckow S., Moy J., Wang M., Guillermier C., Poczatek J.C., Filiou M.D.  
Antidepressant treatment effects on hippocampal protein turnover: Molecular and spatial insights from mass spectrometry (2022) Proteomics, 22 (11-12), art. no. 2100244  
DOI: 10.1002/pmic.202100244  
DOCUMENT TYPE: Article

Karageorgou D., Zygouri P., Tsakiridis T., Hammami M.A., Chalmpes N., Subrati M., Sainis I., Spyrou K., Katapodis P., Gournis D., Stamatis H.  
Green Synthesis and Characterization of Silver Nanoparticles with High Antibacterial Activity Using Cell Extracts of *Cyanobacterium Pseudanabaena/Limnothrix* sp. (2022) Nanomaterials, 12 (13), art. no. 2296 DOI: 10.3390/nano12132296  
DOCUMENT TYPE: Article

Gounari E., Komnenou A., Kofidou E., Nanaki S., Bikaris D., Almpandou S., Kouzi K., Karampatakis V., Koliakos G.  
Intravitreal Administration Effect of Adipose-Derived Mesenchymal Stromal Cells Combined with Anti-VEGF Nanocarriers, in a Pharmaceutically Induced Animal Model of Retinal Vein Occlusion (2022) Stem Cells International, 2022, art. no. 2760147 DOI: 10.1155/2022/2760147  
DOCUMENT TYPE: Article

Bounas A., Sotiriopoulos K., Talioura A., Kiromitis D., Kommata C., Kontogiannis S.

A Proposed Low-cost Data-logging System to Monitor Migratory Bird Activity (2022)  
CEUR Workshop Proceedings, 3293, pp. 388 - 394  
DOCUMENT TYPE: Conference paper

Anastasiadou C., Liasko R., Kallianiotis A.A., Leonardos I.  
Rostral Geometric Morphometrics in a Hippolytid Shrimp: Are There Elements That Reflect the Homozygous/Heterozygous State of Its Morphotypes? (2022) Journal of Marine Science and Engineering, 10 (11), art. no. 1687 DOI: 10.3390/jmse10111687  
DOCUMENT TYPE: Article

Bellou M.G., Gkantzou E., Skonta A., Moschovas D., Spyrou K., Avgeropoulos A., Gournis D., Stamatis H.  
Development of 3D Printed Enzymatic Microreactors for Lipase-Catalyzed Reactions in Deep Eutectic Solvent-Based Media (2022) Micromachines, 13 (11), art. no. 1954 DOI: 10.3390/mi13111954  
DOCUMENT TYPE: Article

Mitsou E., Theochari I., Gad E., Vassiliadi E., Karpenisioti E., Koulis G., Martakos I., Pissaridi K., Thomaidis N.S., Xenakis A., Zoumpanioti M.  
Enzymatic modification of triglycerides in conventional and surfactant-free microemulsions and in olive oil (2022) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 647, art. no. 129170 DOI: 10.1016/j.colsurfa.2022.129170  
DOCUMENT TYPE: Article

Roux J.-L., Konczal A.A., Bernasconi A., Bhagwat S.A., Vreese R.D., Doimo I., Govigli V.M., Kašpar J., Kohsaka R., Pettenella D., Plieninger T., Shakeri Z., Shibata S., Stara K., Takahashi T., Torralba M., Tyrväinen L., Weiss G., Winkel G.  
Exploring evolving spiritual values of forests in Europe and Asia: a transition hypothesis toward re-spiritualizing forests (2022) Ecology and Society, 27 (4), art. no. 20 DOI: 10.5751/ES-13509-270420  
DOCUMENT TYPE: Article

Giannakopoulou A., Tsapara G., Troganis A.N., Koralli P., Chochos C.L., Polydera A.C., Katapodis P., Barkoula N.-M., Stamatis H.  
Development of a Multi-Enzymatic Approach for the Modification of Biopolymers with Ferulic Acid (2022) Biomolecules, 12 (7), art. no. 992 DOI: 10.3390/biom12070992  
DOCUMENT TYPE: Article

Barboutis C., Navarrete E., Karris G., Xirouchakis S., Fransson T., Bounas A.  
Arriving depleted after crossing of the Mediterranean: Obligatory stopover patterns  
underline the importance of Mediterranean islands for migrating birds (2022) Animal  
Migration, 9 (1), pp. 27 – 36 DOI: 10.1515/ami-2022-0117

DOCUMENT TYPE: Article

Gourdomichali O., Zonke K., Kattan F.-G., Makridakis M., Kontostathi G., Vlahou A.,  
Doxakis E.

In Situ Peroxidase Labeling Followed by Mass-Spectrometry Reveals TIA1 Interactome  
(2022) Biology, 11 (2), art. no. 287 DOI: 10.3390/biology11020287

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Giannakopoulou A., Spyrou S., Simos Y.V., Kontogianni V.G.,  
Peschos D., Katapodis P., Polydera A.C., Stamatis H.

Production of hydroxytyrosol rich extract from Olea europaea leaf with enhanced  
biological activity using immobilized enzyme reactors (2022) Environmental Science  
and Pollution Research, 29 (20), pp. 29624 – 29637 DOI: 10.1007/s11356-021-17081-6

DOCUMENT TYPE: Article

Karageorgou D., Patel A., Rova U., Christakopoulos P., Katapodis P., Matsakas L.  
Heterotrophic Cultivation of the Cyanobacterium Pseudanabaena sp. on Forest  
Biomass Hydrolysates toward Sustainable Biodiesel Production (2022) Microorganisms,  
10 (9), art. no. 1756 DOI: 10.3390/microorganisms10091756

DOCUMENT TYPE: Article

Vassiliadi E., Aridas A., Schmitt V., Xenakis A., Zoumpanioti M.  
Hydroxypropyl)methyl cellulose-chitosan film as a matrix for lipase immobilization:  
Operational and morphological study (2022) Molecular Catalysis, 522, art. no. 112252  
DOI: 10.1016/j.mcat.2022.112252

DOCUMENT TYPE: Article

Mitsou E., Theochari I., Vassiliadi E., Nallet F., Xenakis A.  
Short-wave and near infrared π-conjugated polymers hosted in a biocompatible  
microemulsion: a pioneering approach for photoacoustic contrast agents (2022) Journal  
of Materials Chemistry B, 10 (14), pp. 2680 – 2690 DOI: 10.1039/d1tb02257a

DOCUMENT TYPE: Article

Koulouri P., Papapetrou P., Kiropoiou A., Andreou L.-V.

The Jennifer Aniston Neuron and Other Adventures in Neuroscience: an Informal Learning Environment (2022) IEEE Global Engineering Education Conference, EDUCON, 2022-March, pp. 1783 – 1784 DOI: 10.1109/EDUCON52537.2022.9766492  
DOCUMENT TYPE: Conference paper

Sidiropoulos L., Whitfield D.P., Astaras C., Vasilakis D., Alivizatos H., Kati V.  
Pronounced Seasonal Diet Diversity Expansion of Golden Eagles (*Aquila chrysaetos*) in Northern Greece during the Non-Breeding Season: The Role of Tortoises (2022) Diversity, 14 (2), art. no. 135 DOI: 10.3390/d14020135  
DOCUMENT TYPE: Article

Kyriakidi P., Kostas S., Zeka-Paschou C., Piliou K., Mylona A., Vasileiadis A., Magklaras P., Vasilakis T., Smyrnioudis I., Hatzilazarou S., Afendra A.-S., Economou A., Hatziloukas E.  
Contribution to the molecular taxonomy of mastic tree morphotypes on Chios Island (2022) Journal of Biological Research (Greece), 29, art. no. 2 DOI: 10.26262/jbrt.v29i0.8364  
DOCUMENT TYPE: Article

Filiou M.D., Teplytska L., Nussbaumer M., Otte D., Zimmer A., Turck C.W.  
Multi-Omics Analysis Reveals Myelin, Presynaptic and Nicotinate Alterations in the Hippocampus of G72/G30 Transgenic Mice (2022) Journal of Personalized Medicine, 12 (2), art. no. 244 DOI: 10.3390/jpm12020244  
DOCUMENT TYPE: Article

Meintani D.G., Chatzimitakos T.G., Kasouni A.I., Stalikas C.D.  
Untargeted metabolomics of human keratinocytes reveals the impact of exposure to 2,6-dichloro-1,4-benzoquinone and 2,6-dichloro-3-hydroxy-1,4-benzoquinone as emerging disinfection by-products (2022) Metabolomics, 18 (11), art. no. 89 DOI: 10.1007/s11306-022-01935-2  
DOCUMENT TYPE: Article

Ferrini F., Goldstein P.A., Labrakakis C.  
Editorial: CNS pain circuits in health and disease (2022) Frontiers in Neural Circuits, 16, art. no. 977404 DOI: 10.3389/fncir.2022.977404  
DOCUMENT TYPE: Editorial

Gkantzou E., Skonta A., Vasios A.-G., Stamatis H.

3D Printed Polylactic Acid Well-Plate for Multi-enzyme Immobilization (2022) Methods in Molecular Biology, 2487, pp. 163 – 175 DOI: 10.1007/978-1-0716-2269-8\_10  
DOCUMENT TYPE: Book chapter

Taghouti I., Cristobal R., Brenko A., Stara K., Markos N., Chapelet B., Hamrouni L., Buršić D., Bonet J.-A.

The Market Evolution of Medicinal and Aromatic Plants: A Global Supply Chain Analysis and an Application of the Delphi Method in the Mediterranean Area (2022) Forests, 13 (5), art. no. 808 DOI: 10.3390/f13050808

DOCUMENT TYPE: Article

Chalmpes N., Patila M., Kouloumpis A., Alatzoglou C., Spyrou K., Subrati M., Polydera A.C., Bourlinos A.B., Stamatis H., Gournis D.

Graphene Oxide-Cytochrome c Multilayered Structures for Biocatalytic Applications: Decrypting the Role of Surfactant in Langmuir-Schaefer Layer Deposition (2022) ACS Applied Materials and Interfaces, 14 (22), pp. 26204 – 26215 DOI: 10.1021/acsami.2c03944

DOCUMENT TYPE: Article

Anastasiadou C., Papathanasiou V., Giagkatzoglou Z., Gubili C., Kamidis N., Liasko R., Batjakas I.E.

Reproductive Variability in Hippolytid Shrimp Shape Morphotypes (2022) Journal of Zoological Systematics and Evolutionary Research, 2022, art. no. 8342656 DOI: 10.1155/2022/8342656

DOCUMENT TYPE: Article

Pappas G., Vokou D., Sainis I., Halley J.M.

SARS-CoV-2 as a Zooanthroponotic Infection: Spillovers, Secondary Spillovers, and Their Importance (2022) Microorganisms, 10 (11), art. no. 2166 DOI: 10.3390/microorganisms10112166

DOCUMENT TYPE: Review

Moschos S., Kormas K.A., Karayanni H.

Prokaryotic diversity in marine and freshwater recirculating aquaculture systems (2022) Reviews in Aquaculture DOI: 10.1111/raq.12677

DOCUMENT TYPE: Review

Stamatis H.

Preface (2022) Methods in Molecular Biology, 2487, pp. v

DOCUMENT TYPE: Editorial

Boli E., Prinos N., Louli V., Pappa G., Stamatis H., Magoulas K., Voutsas E.

Recovery of Bioactive Extracts from Olive Leaves Using Conventional and

Microwave-Assisted Extraction with Classical and Deep Eutectic Solvents (2022)

Separations, 9 (9), art. no. 255 DOI: 10.3390/separations9090255

DOCUMENT TYPE: Article

Kati V., Selva N., Sjögren-Gulve P.

Greek roadless policy: A model for Europe (2022) Science, 375 (6584), pp. 984 DOI:

10.1126/science.abo2014

DOCUMENT TYPE: Letter

Mitroulis I., Chrysanthopoulou A., Divolis G., Ioannidis C., Ntinopoulou M., Tasis A.,

Konstantinidis T., Antoniadou C., Soteriou N., Lallas G., Mitka S., Lesche M., Dahl A.,

Gembardt S., Panopoulou M., Sideras P., Wielockx B., Coskun Ü., Ritis K., Skendros P.

A gene expression map of host immune response in human brucellosis (2022) Frontiers

in Immunology, 13, art. no. 951232 DOI: 10.3389/fimmu.2022.951232

DOCUMENT TYPE: Article

Borda-de-Água L., Borges P.A.V., Halley J.M.

Editorial: Theoretical Approaches to Community Ecology (2022) Frontiers in Ecology and Evolution, 9, art. no. 824432 DOI: 10.3389/fevo.2021.824432

DOCUMENT TYPE: Editorial

Peyton J., Hadjistylli M., Tziortzis I., Erotokritou E., Demetriou M., Samuel Y., Anastasi

V., Fytis G., Hadjioannou L., Ieronymidou C., Kassinis N., Kleitou P., Kletou D.,

Mandoulaki A., Michailidis N., Papatheodoulou A., Payiattas G., Sparrow D., Sparrow

R., Turvey K., Tzirkalli E., Varnava A.I., Pescott O.L.

Using expert-elicitation to deliver biodiversity monitoring priorities on a Mediterranean island (2022) PLoS ONE, 17 (3 March), art. no. e0256777 DOI: 10.1371/journal.pone.0256777

DOCUMENT TYPE: Article

Vassiliadi E., Tsirigotis-Maniecka M., Symons H.E., Gobbo P., Nallet F., Xenakis A.,

Zoumpanioti M.

(Hydroxypropyl)methyl Cellulose-Chitosan Film as a Matrix for Lipase Immobilization—Part II: Structural Studies (2022) Gels, 8 (9), art. no. 595 DOI: 10.3390/gels8090595  
DOCUMENT TYPE: Article

Gkantzou E., Skonta A., Tsakni A., Polydera A., Moschovas D., Spyrou K., Avgeropoulos A., Gournis D., Houhoula D., Stamatis H.  
3D printed PLA enzyme microreactors: Characterization and application for the modification of bioactive compounds (2022) Journal of Biotechnology, 350, pp. 75 – 85  
DOI: 10.1016/j.jbiotec.2022.04.005  
DOCUMENT TYPE: Article

Theodoroula N.F., Karavasili C., Vlasiou M.C., Primikyri A., Nicolaou C., Chatzikonstantinou A.V., Chatzitaki A.-T., Petrou C., Bouropoulos N., Zacharis C.K., Galatou E., Sarigiannis Y., Fatouros D.G., Vizirianakis I.S.  
NGIWY-Amide: A Bioinspired Ultrashort Self-Assembled Peptide Gelator for Local Drug Delivery Applications (2022) Pharmaceutics, 14 (1), art. no. 133 DOI: 10.3390/pharmaceutics14010133  
DOCUMENT TYPE: Article

Giotopoulou I., Giannakopoulou A., Stamatis H., Barkoula N.-M.  
TOWARDS THE DEVELOPMENT OF LDPE MULTI-LAYERED PACKAGING FILMS WITH ENHANCED BIOACTIVITY (2022) ECCM 2022 - Proceedings of the 20th European Conference on Composite Materials: Composites Meet Sustainability, 1, pp. 51 - 58  
DOCUMENT TYPE: Conference paper

Tsoupas A., Papavasileiou S., Minoudi S., Gkagkavouzis K., Petriki O., Bobori D., Sapounidis A., Koutrakis E., Leonardos I., Karaiskou N., Triantafyllidis A.  
DNA barcoding identification of Greek freshwater fishes (2022) PLoS ONE, 17 (1 January), art. no. e0263118 DOI: 10.1371/journal.pone.0263118  
DOCUMENT TYPE: Article

Rezić A., Iacolina L., Bužan E., Safner T., Bego F., Gačić D., Maletić V., Markov G., Milošević D., Papaioannou H., Šprem N.  
The Balkan chamois, an archipelago or a peninsula? Insights from nuclear and mitochondrial DNA (2022) Conservation Genetics, 23 (3), pp. 527 – 539 DOI: 10.1007/s10592-022-01434-w

DOCUMENT TYPE: Article

Toli E.A., Bounas A., Merilä J., Sotiropoulos K.

Genetic diversity and detection of candidate loci associated with alternative morphotypes in a tailed amphibian (2022) Biological Journal of the Linnean Society, 137 (3), pp. 465 – 474 DOI: 10.1093/biolinnean/blac103

DOCUMENT TYPE: Article

Boulaka A., Mantellou P., Stanc G.-M., Souka E., Valavanis C., Saxami G., Mitsou E., Koutrotsios G., Zervakis G.I., Kyriacou A., Pletscha V., Georgiadis P.

Genoprotective activity of the Pleurotus eryngii mushrooms following their in vitro and in vivo fermentation by fecal microbiota (2022) Frontiers in Nutrition, 9, art. no. 988517

DOI: 10.3389/fnut.2022.988517

DOCUMENT TYPE: Article

Malagon S.G.G., Liu K.J.

Linking neural crest development to neuroblastoma pathology

(2022) Development (Cambridge), 149 (15), art. no. dev200331 DOI: 10.1242/dev.200331

DOCUMENT TYPE: Review

Brenko A., Vidale E., Oliach D., Marois O., Andriguetto N., Stara K., de Aragón J.M., Bonet J.A

Edible wild mushrooms of the Northern Mediterranean area-Sectorial analysis and future perspectives (2022) Forest Systems, 31 (3), art. no. eSC05 DOI:

10.5424/fs/2022313-19346 DOCUMENT TYPE: Article

Stagakis S., Markos N., Vanikiotis T., Levizou E., Kyparissis A.

Multi-Year Monitoring of Deciduous Forests Ecophysiology and the Role of Temperature and Precipitation as Controlling Factors (2022) Plants, 11 (17), art. no. 2257 DOI: 10.3390/plants11172257

DOCUMENT TYPE: Article

Giannakopoulou A., Patila M., Chalmpes N., Polydéra A.C., Gournis D., Stamatis H. A Four-enzyme Nanoassembly Consisting of Hydrolases and Oxidoreductases for Multi-step Cascade Reactions (2022) Methods in Molecular Biology, 2487, pp. 263 – 278 DOI: 10.1007/978-1-0716-2269-8\_16

DOCUMENT TYPE: Book chapter

Patila M., Athanasiou P.E., Kortessis L., Potsi G., Kouloumpis A., Gournis D., Stamatis H. Immobilization of Laccase on Hybrid Super-Structured Nanomaterials for the Decolorization of Phenolic Dyes (2022) Processes, 10 (2), art. no. 233 DOI: 10.3390/pr10020233

DOCUMENT TYPE: Article

## 2021

Gkantzou E., Chatzikonstantinou A.V., Fotiadou R., Giannakopoulou A., Patila M., Stamatis H.

Trends in the development of innovative nanobiocatalysts and their application in biocatalytic transformations (2021) Biotechnology Advances, 51, art. no. 107738 DOI: 10.1016/j.biotechadv.2021.107738

DOCUMENT TYPE: Review

Petriki O., Moutopoulos D.K., Tsagarakis K., Tsionki I., Papantoniou G., Mantzouni I., Barbieri R., Stoumboudi M.Th.

Assessing the fisheries and ecosystem structure of the largest greek lake (Lake trichonis) (2021) Water (Switzerland), 13 (23), art. no. 3329 DOI: 10.3390/w13233329

DOCUMENT TYPE: Article

Giannakopoulou A., Chatzikonstantinou A.V., Chalmpes N., Tsapara G., Gournis D., Polydera A.C., Stamatis H.

Development of a novel bi-enzymatic nanobiocatalyst for the efficient bioconversion of oleuropein to hydroxytyrosol (2021) Catalysts, 11 (6), art. no. 749 DOI: 10.3390/catal11060749

DOCUMENT TYPE: Article

Voulgari P., Alivertis D., Skobridis K.

Improvements in the Synthesis of the Third-Generation EGFR Inhibitor Osimertinib (2021) Helvetica Chimica Acta, 104 (11), art. no. e2100066 DOI: 10.1002/hlca.202100066

DOCUMENT TYPE: Article

Diamantopoulou C., Christoforou E., Dominoni D.M., Kaiserli E., Czyzewski J., Mirzai N., Spatharis S.

Wavelength-dependent effects of artificial light at night on phytoplankton growth and community structure (2021) Proceedings of the Royal Society B: Biological Sciences, 288 (1953), art. no. 20210525 DOI: 10.1098/rspb.2021.0525

DOCUMENT TYPE: Article

Benedetti Y., Kapsalis E., Morelli F., Kati V.

Sacred oak woods increase bird diversity and specialization: Links with the European Biodiversity Strategy for 2030 (2021) Journal of Environmental Management, 294, art. no. 112982 DOI: 10.1016/j.jenvman.2021.112982

DOCUMENT TYPE: Article

Tsiakiris R., Halley J.M., Stara K., Monokroukos N., Karyou C., Kassinis N.,

Papadopoulos M., Xirouchakis S.M.

Models of poisoning effects on vulture populations show that small but frequent episodes have a larger effect than large but rare ones (2021) Web Ecology, 21 (2), pp. 79 – 93 DOI: 10.5194/we-21-79-2021

DOCUMENT TYPE: Article

Tsionki I., Petriki O., Leonardos I.D., Karachle P.K., Stoumboudi M.T.

Length-weight relationships of 6 fish species caught in a Mediterranean lake

(Trichonis-NW Greece) (2021) Journal of Applied Ichthyology, 37 (4), pp. 631 – 634

DOI: 10.1111/jai.14213

DOCUMENT TYPE: Article

Tzima C., Andreou L.-V.

The effect of a pre-writing strategy on the writing apprehension levels of science students (2021) IEEE Global Engineering Education Conference, EDUCON, 2021-April, art. no. 9454044, pp. 1422 – 1423 DOI: 10.1109/EDUCON46332.2021.9454044

DOCUMENT TYPE: Conference paper

Savvidou M.G., Dardavila M.M., Georgiopoulou I., Louli V., Stamatis H., Kekos D.,

Voutsas E.

Optimization of microalga chlorella vulgaris magnetic harvesting (2021) Nanomaterials, 11 (6), art. no. 1614 DOI: 10.3390/nano11061614

DOCUMENT TYPE: Article

Piperagkas O., Papageorgiou N.

Changes in (micro and macro) plastic pollution in the sediment of three sandy beaches in the Eastern Mediterranean Sea, in relation to seasonality, beach use and granulometry (2021) Marine Pollution Bulletin, 173, art. no. 113014 DOI: 10.1016/j.marpolbul.2021.113014

DOCUMENT TYPE: Article

Vlaikou A.-M., Nussbaumer M., Komini C., Lambrianidou A., Konidaris C., Trangas T., Filiou M.D.

Exploring the crosstalk of glycolysis and mitochondrial metabolism in psychiatric disorders and brain tumours (2021) European Journal of Neuroscience, 53 (9), pp. 3002 – 3018 DOI: 10.1111/ejn.15057

DOCUMENT TYPE: Review

Abbasi A.Z., Bilal M., Khurshid G., Yiotis C., Zeb I., Hussain J., Baig A., Shah M.M., Chaudhary S.U., Osborne B., Ahmad R.

Expression of cyanobacterial genes enhanced CO<sub>2</sub> assimilation and biomass production in transgenic *Arabidopsis thaliana* (2021) PeerJ, 9, art. no. e11860 DOI: 10.7717/peerj.11860

DOCUMENT TYPE: Article

Kasouni A.I., Chatzimitakos T.G., Stalikas C.D., Trangas T., Papoudou-Bai A., Troganis A.N. The unexplored wound healing activity of *urtica dioica* L. Extract: An in vitro and in vivo study

(2021) Molecules, 26 (20), art. no. 6248 DOI: 10.3390/molecules26206248

DOCUMENT TYPE: Article

Marini Govigli V., Efthymiou A., Stara K.

From religion to conservation: unfolding 300 years of collective action in a Greek sacred forest (2021) Forest Policy and Economics, 131, art. no. 102575 DOI: 10.1016/j.forepol.2021.102575

DOCUMENT TYPE: Article

Lisgaras C.P., Mikroulis A., Psarropoulou C.

Region-specific Effects of Early-life Status Epilepticus on the Adult Hippocampal CA3 – Medial Entorhinal Cortex Circuitry In vitro: Focus on Interictal Spikes and Concurrent High-frequency Oscillations (2021) Neuroscience, 466, pp. 235 – 247 DOI: 10.1016/j.neuroscience.2021.04.030

DOCUMENT TYPE: Article

Vavylis D., Bounas A., Karris G., Triantis K.A.

The state of breeding birds in Greece: Trends, threats, and implications for conservation (2021) *Bird Conservation International*, 31 (4), pp. 495 – 509 DOI: 10.1017/S0959270920000568

DOCUMENT TYPE: Review

Halley J.M., Pimm S.L.

The Dynamic Hypercube as a Niche Community Model (2021) *Frontiers in Ecology and Evolution*, 9, art. no. 686403 DOI: 10.3389/fevo.2021.686403

DOCUMENT TYPE: Article

Iliopoulos Y., Antoniadi E., Kret E., Zakkak S., Skartsis T.

Wolf-hunting dog interactions in a biodiversity hot spot area in northern greece: preliminary assessment and implications for conservation in the dadia-lefkimi-soufli forest national park and adjacent areas (2021) *Animals*, 11 (11), art. no. 3235 DOI: 10.3390/ani11113235

DOCUMENT TYPE: Article

Oliach D., Vidale E., Brenko A., Marois O., Andrijghetto N., Stara K., de Aragón J.M., Colinas C., Bonet J.A.

Truffle market evolution: An application of the delphi method (2021) *Forests*, 12 (9), art. no. 1174 DOI: 10.3390/f12091174

DOCUMENT TYPE: Article

Halley J.M., Vokou D., Pappas G., Sainis I.

SARS-CoV-2 mutational cascades and the risk of hyper-exponential growth (2021) *Microbial Pathogenesis*, 161, art. no. 105237 DOI: 10.1016/j.micpath.2021.105237

DOCUMENT TYPE: Article

Patel A., Karageorgou D., Katapodis P., Sharma A., Rova U., Christakopoulos P., Matsakas L.

Bioprospecting of thraustochytrids for omega-3 fatty acids: A sustainable approach to reduce dependency on animal sources (2021) *Trends in Food Science and Technology*, 115, pp. 433 – 444 DOI: 10.1016/j.tifs.2021.06.044

DOCUMENT TYPE: Review

Gkantzou E., Govatsi K., Chatzikonstantinou A.V., Yannopoulos S.N., Stamatis H. Development of a ZnO Nanowire Continuous Flow Microreactor with  $\beta$ -Glucosidase Activity: Characterization and Application for the Glycosylation of Natural Products (2021) ACS Sustainable Chemistry and Engineering, 9 (22), pp. 7658 – 7667 DOI: 10.1021/acssuschemeng.1c02557

DOCUMENT TYPE: Article

Kati V., Kassara C., Vrontisi Z., Moustakas A.

The biodiversity-wind energy-land use nexus in a global biodiversity hotspot (2021) Science of the Total Environment, 768, art. no. 144471 DOI: 10.1016/j.scitotenv.2020.144471

DOCUMENT TYPE: Article

Theodosi S., Kosma I.S., Badeka A.V.

Quality characteristics of Koroneiki olive oil from Zakynthos island (Greece) and differentiation depending on the altitude level (2021) European Food Research and Technology, 247 (5), pp. 1235 – 1248 DOI: 10.1007/s00217-021-03705-1

DOCUMENT TYPE: Article

Stathopoulou P., Tsoumalakou E., Levizou E., Vanikiotis T., Zaoutsos S., Berillis P.

Iron and potassium fertilization improve rocket growth without affecting tilapia growth and histomorphology characteristics in aquaponics (2021) Applied Sciences (Switzerland), 11 (12), art. no. 5681 DOI: 10.3390/app11125681

DOCUMENT TYPE: Article

Zannini P., Frascaroli F., Nascimbene J., Persico A., Halley J.M., Stara K., Midolo G., Chiarucci A.

Sacred natural sites and biodiversity conservation: a systematic review (2021) Biodiversity and Conservation, 30 (13), pp. 3747 – 3762 DOI: 10.1007/s10531-021-02296-3

DOCUMENT TYPE: Review

Papageorgiou K., Mastora E., Zikopoulos A., Grigoriou M.E., Georgiou I., Michaelidis T.M.

Interplay Between mTOR and Hippo Signaling in the Ovary: Clinical Choice Guidance Between Different Gonadotropin Preparations for Better IVF (2021) Frontiers in Endocrinology, 12, art. no. 702446 DOI: 10.3389/fendo.2021.702446

DOCUMENT TYPE: Review

Douligeri A., Tsionki I., Petriki O., Moutopoulos D.K., Stoumboudi M.Th. Length-weight relationships and condition factors of the sand smelt *Atherina boyeri* (Risso, 1810) estimated from commercial and experimental catches in Lake Trichonis (Western Greece) (2021) *Acta Adriatica*, 62 (2), pp. 209 – 218 DOI: 10.32582/aa.62.2.8  
DOCUMENT TYPE: Article

Moazami F., Lefevre-Utile A., Papaloukas C., Soumelis V. Machine Learning Approaches in Study of Multiple Sclerosis Disease Through Magnetic Resonance Images (2021) *Frontiers in Immunology*, 12, art. no. 700582 DOI: 10.3389/fimmu.2021.700582  
DOCUMENT TYPE: Review

Komini C., Theohari I., Lambrianidou A., Nakopoulou L., Trangas T. PAPOLA contributes to cyclin D1 mRNA alternative polyadenylation and promotes breast cancer cell proliferation (2021) *Journal of Cell Science*, 134 (7), art. no. jcs252304 DOI: 10.1242/jcs.252304  
DOCUMENT TYPE: Article

Mastora E., Christodoulaki A., Papageorgiou K., Zikopoulos A., Georgiou I. Expression of retroelements in mammalian gametes and embryos (2021) *In Vivo*, 35 (4), pp. 1921 – 1927 DOI: 10.21873/INVIVO.12458 DOCUMENT TYPE: Review

Lambrianidou A., Sereti E., Soupsana K., Komini C., Dimas K., Trangas T. mTORC2 deploys the mRNA binding protein IGF2BP1 to regulate c-MYC expression and promote cell survival (2021) *Cellular Signalling*, 80, art. no. 109912 DOI: 10.1016/j.cellsig.2020.109912  
DOCUMENT TYPE: Article

Bakratsas G., Polydera A., Katapodis P., Stamatis H. Recent trends in submerged cultivation of mushrooms and their application as a source of nutraceuticals and food additives (2021) *Future Foods*, 4, art. no. 100086 DOI: 10.1016/j.fufo.2021.100086  
DOCUMENT TYPE: Review

Vanikiotis T., Stagakis S., Kyparassis A. MODIS PRI performance to track Light Use Efficiency of a Mediterranean coniferous forest: Determinants, restrictions and the role

of LUE range (2021) Agricultural and Forest Meteorology, 307, art. no. 108518 DOI: 10.1016/j.agrformet.2021.108518

DOCUMENT TYPE: Article

Spiliopoulou K., Dimitrakopoulos P.G., Brooks T.M., Kelaidi G., Paragamian K., Kati V., Oikonomou A., Vavylis D., Trigas P., Lymberakis P., Darwall W., Stoumboudi M.T., Triantis K.A.

The Natura 2000 network and the ranges of threatened species in Greece (2021) Biodiversity and Conservation, 30 (4), pp. 945 – 961 DOI: 10.1007/s10531-021-02125-7

DOCUMENT TYPE: Article

Pezoulas V.C., Papaloukas C., Veyssiere M., Goules A., Tzioufas A.G., Soumelis V., Fotiadis D.I.

A computational workflow for the detection of candidate diagnostic biomarkers of Kawasaki disease using time-series gene expression data (2021) Computational and Structural Biotechnology Journal, 19, pp. 3058 – 3068 DOI: 10.1016/j.csbj.2021.05.036

DOCUMENT TYPE: Article

Bounas A., Catsadorakis G., Koutseri I., Nikolaou H., Nicolas D., Malakou M., Crivelli A.J.

Temporal trends and determinants of fish biomass in two contrasting natural lake systems: Insights from a spring long-term monitoring scheme (2021) Knowledge and Management of Aquatic Ecosystems, 2021-January (422), art. no. 28 DOI: 10.1051/kmae/2021027

DOCUMENT TYPE: Article

Kouloumpis A., Chatzikonstantinou A.V., Chalmpes N., Giousis T., Potsi G., Katapodis P., Stamatis H., Gournis D., Rudolf P.

Germanane Monolayer Films as Antibacterial Coatings (2021) ACS Applied Nano Materials, 4 (3), pp. 2333 – 2338 DOI: 10.1021/acsanm.0c03149

DOCUMENT TYPE: Article

Schäffler L., Kappeler P.M., Halley J.M.

Mouse Lemurs in an Assemblage of Cheirogaleid Primates in Menabe Central, Western Madagascar – Three Reasons to Coexist (2021) Frontiers in Ecology and Evolution, 9, art. no. 585781 DOI: 10.3389/fevo.2021.585781

DOCUMENT TYPE: Article

Kostas S., Hatzilazarou S., Pipinis E., Vasileiadis A., Magklaras P., Smyrnioudis I., Vasilakis T., Chazakis M., Anastasiadi V., Ziogou F.-T., Kotoula A., Afendra A.-S., Hatziloukas E., Economou A.

Propagation of pistacia lentiscus var. Chia genotypes and determination of their ornamental traits combined with a genetic analysis using issr markers (2021) Agronomy, 11 (2), art. no. 205 DOI: 10.3390/agronomy11020205

DOCUMENT TYPE: Article

Chalmpes N., Moschovas D., Tantis I., Bourlinos A.B., Bakandritsos A., Fotiadou R., Patila M., Stamatis H., Avgeropoulos A., Karakassides M.A., Gournis D.

Carbon nanostructures derived through hypergolic reaction of conductive polymers with fuming nitric acid at ambient conditions (2021) Molecules, 26 (6), art. no. 1595 DOI: 10.3390/molecules26061595

DOCUMENT TYPE: Article

Charitonidou M., Kougioumoutzis K., Halley J.M.

An orchid in retrograde: Climate-driven range shift patterns of ophrys helenae in Greece (2021) Plants, 10 (3), art. no. 470, pp. 1 – 18 DOI: 10.3390/plants10030470

DOCUMENT TYPE: Article

Kasouni A., Chatzimitakos T., Stalikas C.

Therapeutic applications of carbon nanodots synthesized from green (re)sources (2021) Comprehensive Analytical Chemistry, 94, pp. 507 – 531 DOI: 10.1016/bs.coac.2020.12.004

DOCUMENT TYPE: Book chapter

Chatzimitakos T.G., Pliatsika C., Chousidis I., Leonardos I.D., Stalikas C.D.

Metabolomic profiling unveils the impact of non-doped and heteroatom-doped carbon nanodots on zebrafish (*Danio Rerio*) embryos (2021) Nanomaterials, 11 (2), art. no. 483, pp. 1 – 13 DOI: 10.3390/nano11020483

DOCUMENT TYPE: Article

Fotiadou R., Chatzikonstantinou A.V., Hammami M.A., Chalmpes N., Moschovas D., Spyrou K., Polydera A.C., Avgeropoulos A., Gournis D., Stamatis H.

Green synthesized magnetic nanoparticles as effective nanosupport for the immobilization of lipase: Application for the synthesis of lipophenols (2021) Nanomaterials, 11 (2), art. no. 458, pp. 1 – 22 DOI: 10.3390/nano11020458

DOCUMENT TYPE: Article

Vorgia E., Lamprousi M., Denecke S., Vogelsang K., Geibel S., Vontas J., Douris V. Functional characterization and transcriptomic profiling of a spheroid-forming midgut cell line from *Helicoverpa zea* (Lepidoptera: Noctuidae) (2021) Insect Biochemistry and Molecular Biology, 128, art. no. 103510 DOI: 10.1016/j.ibmb.2020.103510

DOCUMENT TYPE: Article

Simos Y.V., Spyrou K., Patila M., Karouta N., Stamatis H., Gournis D., Dounousi E., Peschos D.

Trends of nanotechnology in type 2 diabetes mellitus treatment (2021) Asian Journal of Pharmaceutical Sciences, 16 (1), pp. 62 – 76 DOI: 10.1016/j.ajps.2020.05.001

DOCUMENT TYPE: Review

Kasouni A.I., Chatzimitakos T.G., Troganis A.N., Stalikas C.D.

Citric acid-based carbon dots: From revealing new insights into their biological properties to demonstrating their enhanced wound healing potential by in vitro and in vivo experiments (2021) Materials Today Communications, 26, art. no. 102019 DOI: 10.1016/j.mtcomm.2021.102019

DOCUMENT TYPE: Article

Moschos S., Piperagkas O., Karayanni H.

A vertically and temporally diverse bacterial community in a shallow lake-water sediment site of a eutrophic lake (2021) Inland Waters, 11 (2), pp. 141 – 153 DOI: 10.1080/20442041.2020.1809952

DOCUMENT TYPE: Article

Filiou M.D., Nussbaumer M., Teplytska L., Turck C.W.

Behavioral and metabolome differences between c57bl/6 and dba/2 mouse strains: Implications for their use as models for depression-and anxiety-like phenotypes (2021) Metabolites, 11 (2), art. no. 128, pp. 1 – 12 DOI: 10.3390/metabo11020128

DOCUMENT TYPE: Article

Iliou A., Vlaikou A.-M., Nussbaumer M., Benaki D., Mikros E., Gikas E., Filiou M.D.

Exploring the metabolomic profile of cerebellum after exposure to acute stress (2021) Stress, 24 (6), pp. 952 – 964 DOI: 10.1080/10253890.2021.1973997

DOCUMENT TYPE: Article

Xue W., Mermans C., Papapostolou K.-M., Lamprousi M., Christou I.-K., Inak E., Douris V., Vontas J., Dermauw W., Van Leeuwen T.

Untangling a Gordian knot: the role of a GluCI3 I321T mutation in abamectin resistance in *Tetranychus urticae* (2021) Pest Management Science, 77 (4), pp. 1581 – 1593 DOI: 10.1002/ps.6215

DOCUMENT TYPE: Article

## 2020

Parapouli M., Vasileiadis A., Afendra A.-S., Hatziloukas E.

*Saccharomyces cerevisiae* and its industrial applications (2020) AIMS Microbiology, 6 (1), pp. 1 – 31 DOI: 10.3934/microbiol.2020001

DOCUMENT TYPE: Review

McLeman A., Troczka B.J., Homem R.A., Duarte A., Zimmer C., Garrood W.T., Pym A., Beadle K., Reid R.J., Douris V., Vontas J., Davies T.G.E., ffrench Constant R., Nauen R., Bass C.

Fly-Tox: A panel of transgenic flies expressing pest and pollinator cytochrome P450s (2020) Pesticide Biochemistry and Physiology, 169, art. no. 104674 DOI: 10.1016/j.pestbp.2020.104674

DOCUMENT TYPE: Article

Kati V., Kassara C., Vassilakis D., Papaioannou H.

Balkan chamois (*Rupicapra rupicapra balcanica*) avoids roads, settlements, and hunting grounds: An ecological overview from timfi mountain, Greece (2020) Diversity, 12 (4), art. no. 0124 DOI: 10.3390/D12040124

DOCUMENT TYPE: Article

Zygouri P., Spyrou K., Mitsari E., Barrio M., Macovez R., Patila M., Stamatis H., Verginadis I.I., Velalopoulou A.P., Evangelou A.M., Sideratou Z., Gournis D., Rudolf P. A facile approach to hydrophilic oxidized fullerenes and their derivatives as cytotoxic agents and supports for nanobiocatalytic systems (2020) Scientific Reports, 10 (1), art. no. 8244 DOI: 10.1038/s41598-020-65117-7

DOCUMENT TYPE: Article

Michou M., Stergios A., Skretas G.

SuptoxD2.0: A second-generation engineered *Escherichia coli* strain achieving further enhanced levels of recombinant membrane protein production (2020) Biotechnology and Bioengineering, 117 (8), pp. 2434 – 2445 DOI: 10.1002/bit.27378

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Tsailanis A.D., Gerohanassis I.P., Stamatis H., Ravera E., Fragai M., Luchinat C., Parigi G., Tzakos A.G.

The NMR tube bioreactor (2020) Methods in Enzymology, 633, pp. 71 – 101 DOI: 10.1016/bs.mie.2019.10.032

DOCUMENT TYPE: Book chapter

Patel A., Karageorgou D., Rova E., Katapodis P., Rova U., Christakopoulos P., Matsakas L.

An overview of potential oleaginous microorganisms and their role in biodiesel and omega-3 fatty acid-based industries (2020) Microorganisms, 8 (3), art. no. 434 DOI: 10.3390/microorganisms8030434

DOCUMENT TYPE: Review

Salmas C., Giannakas A., Katapodis P., Leontiou A., Moschovas D., Karydis-Messinis A.

Development of zno/na-montmorillonite hybrid nanostructures used for pvoh/zno/na-montmorillonite active packaging films preparation via a melt-extrusion process (2020) Nanomaterials, 10 (6), art. no. 1079 DOI: 10.3390/nano10061079

DOCUMENT TYPE: Article

Govigli V.M., Healey J.R., Wong J.L.G., Stara K., Tsiakiris R., Halley J.M.

When nature meets the divine: Effect of prohibition regimes on the structure and tree species composition of sacred forests in northern Greece (2020) Web Ecology, 20 (2), pp. 53 – 86 DOI: 10.5194/we-20-53-2020

DOCUMENT TYPE: Article

Sotiropoulos K., Moustakas K., Toli E.-A.

First record of facultative paedomorphosis in the turkish smooth newt, *lissotriton schmidleri* (Raxworthy, 1988), from Greece

(2020) Herpetology Notes, 13, pp. 1041 - 1044

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Polydera A.C., Thomou E., Chalmpes N., Baroud T.N., Enotiadis A., Estevez L., Patila M., Hammami M.A., Spyrou K., Giannelis E.P., Tzakos A.G., Gournis D., Stamatis H.

Lipase immobilized on magnetic hierarchically porous carbon materials as a versatile tool for the synthesis of bioactive quercetin derivatives (2020) Bioresource Technology Reports, 9, art. no. 100372 DOI: 10.1016/j.biteb.2019.100372

DOCUMENT TYPE: Article

Pargianas M., Kosmas I., Papageorgiou K., Kitsou C., Papoudou-Bai A., Batistatou A., Markoula S., Salta S., Dalkalitsis A., Kolibianakis S., Tarlatzis B.C., Georgiou I., Michaelidis T.M.

Follicle inhibition at the primordial stage without increasing apoptosis, with a combination of everolimus, verapamil (2020) Molecular Biology Reports, 47 (11), pp. 8711 – 8726 DOI: 10.1007/s11033-020-05917-2

DOCUMENT TYPE: Article

Denecke S., Ioannidis P., Buer B., Ilias A., Douris V., Topalis P., Nauen R., Geibel S., Vontas J.

A transcriptomic and proteomic atlas of expression in the *Nezara viridula* (Heteroptera: Pentatomidae) midgut suggests the compartmentalization of xenobiotic metabolism and nutrient digestion (2020) BMC Genomics, 21 (1), art. no. 129 DOI: 10.1186/s12864-020-6459-6

DOCUMENT TYPE: Article

Douris V., Denecke S., Van Leeuwen T., Bass C., Nauen R., Vontas J.

Using CRISPR/Cas9 genome modification to understand the genetic basis of insecticide resistance: *Drosophila* and beyond (2020) Pesticide Biochemistry and Physiology, 167, art. no. 104595 DOI: 10.1016/j.pestbp.2020.104595

DOCUMENT TYPE: Review

Veith M., Göçmen B., Sotiropoulos K., Eleftherakos K., Lötters S., Godmann O., Karış M., Oğuz A., Ehl S.

Phylogeographic analyses point to long-term survival on the spot in micro-endemic Lycian salamanders (2020) PLoS ONE, 15 (1), art. no. e0226326 DOI: 10.1371/journal.pone.0226326

DOCUMENT TYPE: Article

Charitonidou M., Halley J.M.

What goes up must come down – why high fecundity orchids challenge conservation beliefs (2020) Biological Conservation, 252, art. no. 108835 DOI:

10.1016/j.biocon.2020.108835

DOCUMENT TYPE: Article

Chousidis I., Stalikas C.D., Leonardos I.D.

Induced toxicity in early-life stage zebrafish (*Danio rerio*) and its behavioral analysis after exposure to non-doped, nitrogen-doped and nitrogen, sulfur-co doped carbon quantum dots (2020) Environmental Toxicology and Pharmacology, 79, art. no. 103426

DOI: 10.1016/j.etap.2020.103426

DOCUMENT TYPE: Article

Peyton J.M., Martinou A.F., Adriaens T., Chartosia N., Karachle P.K., Rabitsch W., Tricarico E., Arianoutsou M., Bacher S., Bazos I., Brundu G., Bruno-McClung E., Charalambidou I., Demetriou M., Galanidi M., Galil B., Guillem R., Hadjiafxentis K., Hadjioannou L., Hadjistylli M., Hall-Spencer J.M., Jimenez C., Johnstone G., Kleitou P., Kletou D., Koukkoularidou D., Leontiou S., Maczey N., Michailidis N., Mountford J.O., Papatheodoulou A., Pescott O.L., Phanis C., Preda C., Rorke S., Shaw R., Solarz W., Taylor C.D., Trajanovski S., Tziortzis I., Tzirkalli E., Uludag A., Vimercati G., Zdraveski K., Zenetos A., Roy H.E.

Horizon Scanning to Predict and Prioritize Invasive Alien Species With the Potential to Threaten Human Health and Economies on Cyprus (2020) Frontiers in Ecology and Evolution, 8, art. no. 566281 DOI: 10.3389/fevo.2020.566281

DOCUMENT TYPE: Article

Chousidis I., Chatzimitakos T., Leonardos D., Filiou M.D., Stalikas C.D., Leonardos I.D. Cannabinol in the spotlight: Toxicometabolomic study and behavioral analysis of zebrafish embryos exposed to the unknown cannabinoid (2020) Chemosphere, 252, art. no. 126417

DOI: 10.1016/j.chemosphere.2020.126417

DOCUMENT TYPE: Article

Koutsogiannis P., Thomou E., Stamatis H., Gournis D., Rudolf P.

Advances in fluorescent carbon dots for biomedical applications (2020) Advances in Physics: X, 5 (1), art. no. 1758592 DOI: 10.1080/23746149.2020.1758592

DOCUMENT TYPE: Review

Hoffmann M.T., Kreft S., Kati V., Ibsch P.L.  
Roadless areas as key approach to conservation of functional forest ecosystems (2020)  
Encyclopedia of the World's Biomes, 3-5, pp. 237 – 248 DOI:  
10.1016/B978-0-12-409548-9.11896-2  
DOCUMENT TYPE: Book chapter

Chatzimitakos T.G., Kasouni A.I., Troganis A.N., Stalikas C.D.  
Exploring the antibacterial potential and unraveling the mechanism of action of  
non-doped and heteroatom-doped carbon nanodots (2020) Journal of Nanoparticle  
Research, 22 (2), art. no. 36 DOI: 10.1007/s11051-019-4736-6  
DOCUMENT TYPE: Article

Ingham V.A., Anthousi A., Douris V., Harding N.J., Lycett G., Morris M., Vontas J.,  
Ranson H.  
A sensory appendage protein protects malaria vectors from pyrethroids  
(2020) Nature, 577 (7790), pp. 376 – 380 DOI: 10.1038/s41586-019-1864-1  
DOCUMENT TYPE: Article

Toli E.A., Chavas C., Denoël M., Bounas A., Sotiropoulos K.  
A subtle threat: behavioral and phenotypic consequences of invasive mosquitofish on a  
native paedomorphic newt (2020) Biological Invasions, 22 (4), pp. 1299 – 1308 DOI:  
10.1007/s10530-019-02181-9  
DOCUMENT TYPE: Article

Alavijeh E.S., Khajehali J., Snoeck S., Panteleri R., Ghadamyari M., Jonckheere W.,  
Bajda S., Saalwaechter C., Geibel S., Douris V., Vontas J., Van Leeuwen T., Dermauw  
W.  
Molecular and genetic analysis of resistance to METI-I acaricides in Iranian populations  
of the citrus red mite *Panonychus citri* (2020) Pesticide Biochemistry and Physiology,  
164, pp. 73 – 84 DOI: 10.1016/j.pestbp.2019.12.009  
DOCUMENT TYPE: Article

Bounas A., Keroglidiou M., Toli E.-A., Chousidis I., Tsaparis D., Leonardos I.,  
Sotiropoulos K.

Constrained by aliens, shifting landscape, or poor water quality? Factors affecting the persistence of amphibians in an urban pond network (2020) Aquatic Conservation: Marine and Freshwater Ecosystems, 30 (5), pp. 1037 – 1049 DOI: 10.1002/aqc.3309  
DOCUMENT TYPE: Article

Nic Lughadha E., Bachman S.P., Leão T.C.C., Forest F., Halley J.M., Moat J., Acedo C., Bacon K.L., Brewer R.F.A., Gâteblé G., Gonçalves S.C., Govaerts R., Hollingsworth P.M., Krisai-Greilhuber I., de Lirio E.J., Moore P.G.P., Negrão R., Onana J.M., Rajaovelona L.R., Razanajatovo H., Reich P.B., Richards S.L., Rivers M.C., Cooper A., Iganci J., Lewis G.P., Smidt E.C., Antonelli A., Mueller G.M., Walker B.E.  
Extinction risk and threats to plants and fungi (2020) Plants People Planet, 2 (5), pp. 389 – 408 DOI: 10.1002/ppp3.10146

DOCUMENT TYPE: Review

Vandera E., Parapouli M., Kakouri A., Koukkou A.-I., Hatziloukas E., Samelis J.  
Structural enterocin gene profiles and mode of antilisterial activity in synthetic liquid media and skim milk of autochthonous Enterococcus spp. isolates from artisan Greek Graviera and Galotyri cheeses (2020) Food Microbiology, 86, art. no. 103335 DOI: 10.1016/j.fm.2019.103335

DOCUMENT TYPE: Article

Riga M., Ilias A., Vontas J., Douris V.

Co-expression of a homologous cytochrome p450 reductase is required for in vivo validation of the *tetranychus urticae* cyp392a16-based abamectin resistance in drosophila (2020) Insects, 11 (12), art. no. 829, pp. 1 – 12 DOI: 10.3390/insects11120829

DOCUMENT TYPE: Article

Boura-Theodoridou O., Giannakas A., Katapodis P., Stamatis H., Ladavos A., Barkoula N.-M.

Performance of ZnO/chitosan nanocomposite films for antimicrobial packaging applications as a function of NaOH treatment and glycerol/PVOH blending (2020) Food Packaging and Shelf Life, 23, art. no. 100456 DOI: 10.1016/j.fpsl.2019.100456

DOCUMENT TYPE: Article

Patila M., Chalmpes N., Dounousi E., Stamatis H., Gournis D.

Use of functionalized carbon nanotubes for the development of robust nanobiocatalysts (2020) Methods in Enzymology, 630, pp. 263 – 301 DOI: 10.1016/bs.mie.2019.10.015  
DOCUMENT TYPE: Book chapter

Damialis A., Charalampopoulos A., Lazarina M., Diamanti E., Almpanidou V., Maraidoni A.M., Symeonidou A., Staikidou E., Syropoulou E., Leontidou K., Tsiripidis I., Halley J.M., Vokou D.

Plant flowering mirrored in airborne pollen seasons? Evidence from phenological observations in 14 woody taxa (2020) Atmospheric Environment, 240, art. no. 117708  
DOI: 10.1016/j.atmosenv.2020.117708

DOCUMENT TYPE: Article

Pezoulas V.C., Kourou K.D., Kalatzis F., Exarchos T.P., Zampeli E., Gandolfo S., Goules A., Baldini C., Skopouli F., De Vita S., Tzioufas A.G., Fotiadis D.I.

Overcoming the barriers that obscure the interlinking and analysis of clinical data through harmonization and incremental learning (2020) IEEE Open Journal of Engineering in Medicine and Biology, 1, art. no. 9037264, pp. 83 – 90 DOI:

10.1109/OJEMB.2020.2981258

DOCUMENT TYPE: Article

Pargianas M., Salta S., Apostolopoulou K., Lazaros L., Kyrgiou M., Tinelli A., Malvasi A., Kalogiannidis I., Georgiou I., Kosmas I.P.

Pathways involved in premature ovarian failure: A systematic review of experimental studies (2020) Current Pharmaceutical Design, 26 (18), pp. 2087 – 2095 DOI:  
10.2174/1381612826666200316160145

DOCUMENT TYPE: Review

Samantsidis G.-R., Panteleri R., Denecke S., Kounadi S., Christou I., Nauen R., Douris V., Vontas J.

'What i cannot create, i do not understand': Functionally validated synergism of metabolic and target site insecticide resistance: Synergism of resistance mechanisms (2020) Proceedings of the Royal Society B: Biological Sciences, 287 (1927), art. no. 20200838 DOI: 10.1098/rspb.2020.0838

DOCUMENT TYPE: Article

Oikonomou A., Livanou E., Mandalakis M., Lagaria A., Psarra S.

Grazing effect of flagellates on bacteria in response to phosphate addition in the oligotrophic Cretan Sea, NE Mediterranean (2020) FEMS Microbiology Ecology, 96 (6), art. no. fiaa086 DOI: 10.1093/femsec/fiaa086

DOCUMENT TYPE: Article

Ververi C., Koufou T., Moutzouris A., Andreou L.-V.

Introducing robotics to an english for academic purposes curriculum in higher education: The student experience (2020) IEEE Global Engineering Education Conference, EDUCON, 2020-April, art. no. 9125290, pp. 20 – 21 DOI: 10.1109/EDUCON45650.2020.9125290

DOCUMENT TYPE: Conference paper

Kati V., Kassara C., Psaralexi M., Tzortzakaki O., Petridou M., Galani A., Hoffmann M.T. Conservation policy under a roadless perspective: Minimizing fragmentation in Greece (2020) Biological Conservation, 252, art. no. 108828 DOI: 10.1016/j.biocon.2020.108828

DOCUMENT TYPE: Article

Vassiliadi E., Mitsou E., Avramiotis S., Chochos C.L., Pirolt F., Medebach M., Glatter O., Xenakis A., Zoumpanioti M.

Structural study of (Hydroxypropyl)methyl cellulose microemulsion-based gels used for biocompatible encapsulations (2020) Nanomaterials, 10 (11), art. no. 2204, pp. 1 – 20 DOI: 10.3390/nano10112204

DOCUMENT TYPE: Article

Kourou K.D., Pezoulas V.C., Georgia E.I., Exarchos T., Papaloukas C., Voulgarelis M., Goules A., Nezos A., Tzioufas A.G., Moutsopoulos H.M., Mavragani C., Fotiadis D.I.

Predicting lymphoma development by exploiting genetic variants and clinical findings in a machine learning-based methodology with ensemble classifiers in a cohort of Sjögren's syndrome patients (2020) IEEE Open Journal of Engineering in Medicine and Biology, 1, art. no. 8954752, pp. 49 – 56 DOI: 10.1109/OJEMB.2020.2965191

DOCUMENT TYPE: Article

Giannakopoulou A., Gkantzou E., Polydera A., Stamatis H.

Multienzymatic Nanoassemblies: Recent Progress and Applications (2020) Trends in Biotechnology, 38 (2), pp. 202 – 216 DOI: 10.1016/j.tibtech.2019.07.010

DOCUMENT TYPE: Review

Hoffmann M.T., Kreft S., Kati V., Ibisch P.L.  
Roadless Areas as Key Approach to Conservation of Functional Forest Ecosystems  
(2020) Encyclopedia of the World's Biomes: Volumes 1-5, 1-5, pp. V3-237 - V3-248  
DOI: 10.1016/B978-0-12-409548-9.11896-2  
DOCUMENT TYPE: Book chapter

Zografou K., Grill A., Wilson R.J., Halley J.M., Adamidis G.C., Kati V.  
Butterfly phenology in Mediterranean mountains using space-for-time substitution  
(2020) Ecology and Evolution, 10 (2), pp. 928 – 939 DOI: 10.1002/ece3.5951  
DOCUMENT TYPE: Article

Barbieri R., Stoumboudi M., Kalogianni E., Leonardos I.  
First report on the spawning migration and early life development of a cyprinid species  
of the genus *Telestes* (2020) Journal of Applied Ichthyology, 36 (6), pp. 817 – 824 DOI:  
10.1111/jai.14094  
DOCUMENT TYPE: Article

## 2019

Moustaka-Gouni M., Sommer U., Economou-Amilli A., Arhonditsis G.B., Katsiapi M.,  
Papastergiadou E., Kormas K.A., Vardaka E., Karayanni H., Papadimitriou T.  
Implementation of the Water Framework Directive: Lessons Learned and Future  
Perspectives for an Ecologically Meaningful Classification Based on Phytoplankton of  
the Status of Greek Lakes, Mediterranean Region (2019) Environmental Management,  
64 (6), pp. 675 – 688 DOI: 10.1007/s00267-019-01226-y  
DOCUMENT TYPE: Article

Pezoulas V.C., Kourou K.D., Kalatzis F., Exarchos T.P., Venetsanopoulou A.I., Zampeli  
E., Gandolfo S., Skopouli F.N., De Vita S., Tzioufas A.G., Fotiadis D.I.  
Enhancing medical data quality through data curation: A case study in primary Sjögren's  
syndrome (2019) Clinical and Experimental Rheumatology, 37, pp. S90 - S96  
DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Gkantzou E., Thomou E., Chalmpes N., Lyra K.-M.,  
Kontogianni V.G., Spyrou K., Patila M., Gournis D., Stamatis H.  
Enzymatic conversion of oleuropein to hydroxytyrosol using immobilized  $\beta$ -glucosidase  
on porous carbon cuboids (2019) Nanomaterials, 9 (8), art. no. 1166 DOI:  
10.3390/nano9081166  
DOCUMENT TYPE: Article

Peyton J., Martinou A.F., Pescott O.L., Demetriou M., Adriaens T., Arianoutsou M., Bazos I., Bean C.W., Booy O., Botham M., Britton J.R., Cervia J.L., Charilaou P., Chartosia N., Dean H.J., Delipetrou P., Dimitriou A.C., Dörflinger G., Fawcett J., Fytis G., Galanidis A., Galil B., Hadjikyriakou T., Hadjistylli M., Ieronymidou C., Jimenez C., Karachle P., Kassinis N., Kerametsidis G., Kirschel A.N.G., Kleitou P., Kleitou D., Manolaki P., Michailidis N., Mountford J.O., Nikolaou C., Papatheodoulou A., Payiatis G., Ribeiro F., Rorke S.L., Samuel Y., Savvides P., Schafer S.M., Tarkan A.S., Silva-Rocha I., Top N., Tricarico E., Turvey K., Tziortzis I., Tzirkalli E., Verreycken H., Winfield I.J., Zenetos A., Roy H.E.

Horizon scanning for invasive alien species with the potential to threaten biodiversity and human health on a Mediterranean island (2019) *Biological Invasions*, 21 (6), pp. 2107 - 2125

DOI: 10.1007/s10530-019-01961-7

DOCUMENT TYPE: Article

Mitsou E., Dupin A., Sassi A.H., Monteil J., Sotiroudis G.T., Leal-Calderon F., Xenakis A. Hydroxytyrosol encapsulated in biocompatible water-in-oil microemulsions: How the structure affects in vitro absorption (2019) *Colloids and Surfaces B: Biointerfaces*, 184, art. no. 110482 DOI: 10.1016/j.colsurfb.2019.110482

DOCUMENT TYPE: Article

Maes D., Verovnik R., Wiemers M., Brosens D., Beshkov S., Bonelli S., Buszko J., Cantú-Salazar L., Cassar L.-F., Collins S., Dincă V., Djuric M., Dušej G., Elven H., Franeta F., Garcia-Pereira P., Geryak Y., Goffart P., Gór Á., Hiermann U., Höttlinger H., Huemer P., Jakšić P., John E., Kalivoda H., Kati V., Kirkland P., Komac B., Kőrösi Á., Kulak A., Kuussaari M., L'Hoste L., Lelo S., Mestdagh X., Micevski N., Mihoci I., Mihut S., Monasterio-León Y., Morgun D.V., Munguira M.L., Murray T., Nielsen P.S., Ólafsson E., Őunap E., Pamperis L.N., Pavlíčko A., Pettersson L.B., Popov S., Popović M., Pöyry J., Prentice M., Reyserhove L., Ryrholm N., Šašić M., Savenkov N., Settele J., Sieleznew M., Sinev S., Stefanescu C., Švitra G., Tammaru T., Tiitsaar A., Tzirkalli E., Tzortzakaki O., van Swaay C.A.M., Viborg A.L., Wynhoff I., Zografou K., Warren M.S.

Integrating national Red Lists for prioritising conservation actions for European butterflies (2019) *Journal of Insect Conservation*, 23 (2), pp. 301 – 330 DOI: 10.1007/s10841-019-00127-z

DOCUMENT TYPE: Article

Tatsika S., Karamanolis K., Karayanni H., Genitsaris S.  
Metagenomic Characterization of Bacterial Communities on Ready-to-Eat Vegetables  
and effects of Household Washing on their Diversity and Composition  
(2019) Pathogens, 8 (1), art. no. 37 DOI: 10.3390/pathogens8010037  
DOCUMENT TYPE: Article

Moustaka K., Maleskou E., Lambrianidou A., Papadopoulos S., Lekka M.E., Trangas T.,  
Kitsiouli E.  
Docosahexaenoic acid inhibits proliferation of eol-1 leukemia cells and induces cell  
cycle arrest and cell differentiation (2019) Nutrients, 11 (3), art. no. 574 DOI:  
10.3390/nu11030574  
DOCUMENT TYPE: Article

Zakopoulou V., Vlaikou A.-M., Darsinou M., Papadopoulou Z., Theodoridou D.,  
Papageorgiou K., Alexiou G.A., Bougias H., Siafaka V., Zoccolotti P., Chroussos G.P.,  
Syrrou M., Michaelidis T.M.  
Linking Early Life Hypothalamic–Pituitary–Adrenal Axis Functioning, Brain Asymmetries,  
and Personality Traits in Dyslexia: An Informative Case Study (2019) Frontiers in  
Human Neuroscience, 13, art. no. 327 DOI: 10.3389/fnhum.2019.00327  
DOCUMENT TYPE: Article

Boussios S., Karathanasi A., Zakynthinakis-Kyriakou N., Tsioris A.K., Chatziantoniou  
A.A., Kanelllos F.S., Tatsi K.  
Ovarian carcinosarcoma: Current developments and future perspectives (2019) Critical  
Reviews in Oncology/Hematology, 134, pp. 46 – 55 DOI:  
10.1016/j.critrevonc.2018.12.006  
DOCUMENT TYPE: Review

Malagon S.G.G., Dobson L., Muñoz A.M.L., Dawson M., Barrell W., Marangos P.,  
Krause M., Liu K.J.  
Dissection, culture and analysis of primary cranial neural crest cells from mouse for the  
study of neural crest cell delamination and migration (2019) Journal of Visualized  
Experiments, 2019 (152), art. no. e60051 DOI: 10.3791/60051  
DOCUMENT TYPE: Article

Tzortzakaki O., Kati V., Panitsa M., Tzanatos E., Giokas S.  
Butterfly diversity along the urbanization gradient in a densely-built Mediterranean city:  
Land cover is more decisive than resources in structuring communities (2019)

Landscape and Urban Planning, 183, pp. 79 – 87 DOI:

10.1016/j.landurbplan.2018.11.007

DOCUMENT TYPE: Article

Tzirkalli E., Kadis C., Halley J.M., Vogiatzakis I., Wilson R.J., Zografou K., Antoniou A., Tsintides T., Makris C., Kati V.

Conservation ecology of butterflies on Cyprus in the context of Natura 2000 (2019)

Biodiversity and Conservation, 28 (7), pp. 1759 – 1782 DOI:

10.1007/s10531-019-01755-2

DOCUMENT TYPE: Article

Ntountaniotis D., Andreadelis I., Kellici T.F., Karageorgos V., Leonis G., Christodoulou E., Kiriakidi S., Becker-Baldus J., Stylos E.K., Chatziathanasiadou M.V., Chatzigiannis C.M., Damalas D.E., Aksoydan B., Javornik U., Valsami G., Glaubitz C., Durdagi S., Thomaidis N.S., Kolocouris A., Plavec J., Tzakos A.G., Liapakis G., Mavromoustakos T. Host-Guest Interactions between Candesartan and Its Prodrug Candesartan Cilexetil in Complex with 2-Hydroxypropyl- $\beta$ -cyclodextrin: On the Biological Potency for Angiotensin II Antagonism (2019) Molecular Pharmaceutics, 16 (3), pp. 1255 – 1271 DOI: 10.1021/acs.molpharmaceut.8b01212

DOCUMENT TYPE: Article

Karayanni H., Macingo S.C., Tolis V., Alivertis D.

Diversity of bacteria in lakes with different chlorophyll content and investigation of their respiratory activity through a long-term microcosm experiment (2019) Water (Switzerland), 11 (3), art. no. 467 DOI: 10.3390/w11030467

DOCUMENT TYPE: Article

Papadopoulou A., Zarafeta D., Galanopoulou A.P., Stamatis H.

Enhanced Catalytic Performance of Trichoderma reesei Cellulase Immobilized on Magnetic Hierarchical Porous Carbon Nanoparticles (2019) Protein Journal, 38 (6), pp. 640 – 648 DOI: 10.1007/s10930-019-09869-w

DOCUMENT TYPE: Article

Papamichael E.M., Stamatis H., Stergiou P.-Y., Foukis A., Gkini O.A.

Enzyme Kinetics and Modeling of Enzymatic Systems (2019) Advances in Enzyme Technology, First Edition, pp. 71 – 104 DOI: 10.1016/B978-0-444-64114-4.00003-0

DOCUMENT TYPE: Book chapter

Pezoulas V.C., Kourou K.D., Kalatzis F., Exarchos T.P., Venetsanopoulou A., Zampeli E., Gandolfo S., Skopouli F., De Vita S., Tzioufas A.G., Fotiadis D.I.  
Medical data quality assessment: On the development of an automated framework for medical data curation (2019) Computers in Biology and Medicine, 107, pp. 270 – 283  
DOI: 10.1016/j.compbioimed.2019.03.001  
DOCUMENT TYPE: Article

Mitsou E., Kalogianni E.P., Georgiou D., Stamatis H., Xenakis A., Zoumpanioti M.  
Formulation and Structural Study of a Biocompatible Water-in-Oil Microemulsion as an Appropriate Enzyme Carrier: The Model Case of Horseradish Peroxidase (2019) Langmuir, 35 (1), pp. 150 – 160 DOI: 10.1021/acs.langmuir.8b03124  
DOCUMENT TYPE: Article

Meziti A., Tsementzi D., Rodriguez-R L.M., Hatt J.K., Karayanni H., Kormas K.A., Konstantinidis K.T.  
Quantifying the changes in genetic diversity within sequence-discrete bacterial populations across a spatial and temporal riverine gradient (2019) ISME Journal, 13 (3), pp. 767 – 779 DOI: 10.1038/s41396-018-0307-6  
DOCUMENT TYPE: Article

Charitonidou M., Stara K., Kougioumoutzis K., Halley J.M.  
Implications of salep collection for the conservation of the Elder-flowered orchid (*Dactylorhiza sambucina*) in Epirus, Greece (2019) Journal of Biological Research (Greece), 26 (1), art. no. 18 DOI: 10.1186/s40709-019-0110-1  
DOCUMENT TYPE: Article

Giannakopoulou A., Patila M., Spyrou K., Chalmpes N., Zarafeta D., Skretas G., Gournis D., Stamatis H.  
Development of a four-enzyme magnetic nanobiocatalyst for multi-step cascade reactions (2019) Catalysts, 9 (12), art. no. 995 DOI: 10.3390/catal9120995  
DOCUMENT TYPE: Article

Macingo S.C., Kormas K.A., Oikonomou A., Karayanni H.  
Taxa-area and distance-decay relationships of unicellular eukaryotes along an elevation gradient of mountainous freshwater ecosystems (2019) Journal of Plankton Research, 41 (6), pp. 821 – 834 DOI: 10.1093/plankt/fbz066  
DOCUMENT TYPE: Article

Kehoe L., Reis T., Virah-Sawmy M., Balmford A., Kuemmerle T., Knohl A., Antonelli A., Hochkirch A., Vira B., Massa B., Peres C.A., Ammer C., Görg C., Schneider C., Curtis D., de la Peña E., Tello E., Sperfeld E., Corbera E., Morelli F., Valladares F., Peterson G., Hide G., Mace G., Kallis G., Olsson G.A., Brumelis G., Alexanderson H., Haberl H., Nuissl H., Kreft H., Ghazoul J., Piotrowski J.A., Macdiarmid J., Newig J., Fischer J., Altringham J., Gledhill J., Nielsen J.Ø., Müller J., Palmeirim J., Barlow J., Alonso J.C., Asencio J.J.P., Steinberger J.K., Jones J.P.G., Cabral J.S., Dengler J., Stibral K., Erb K., Rothhaupt K.-O., Wiegand K., Cassar L.F., Lens L., Rosalino L.M., Wassen M.J., Stenseke M., Fischer-Kowalski M., Diaz M., Rounsevell M., van Kleunen M., Junginger M., Kaltenpoth M., Zobel M., Weigend M., Partel M., Schilthuizen M., Araujo M.B., Haklay M., Eisenhauer N., Selva N., Mertz O., Meyfroidt P., Borges P.A.V., Kovář P., Smith P., Verburg P., Pyšek P., Seppelt R., Valentini R., Whittaker R.J., Faria S.H., Ulgiati S., Lotters S., Bjorck S., Larson S.A., Tscharntke T., Domingos T., Krueger T., Pascual U., Olsson U., Kati V., Winiwarter V., Reyes-Garcia V., Vajda V., Sutherland W.J., de Waroux Y.L.P., Buckley Y., Rammig A., Kasimir Å., Crona B., Sindičić M., Persson M., Lapka M., Di Gregorio M., Hahn T., Boonstra W., Lipský Z., Zucaro A., Röder A., Baucells A.L., Danet A., Franco A., Roman A.N., Lehikoinen A., Collalti A., Keller A., Strugariu A., Perrigo A., Fernández-Llamazares Á., Salaseviciene A., Hinsley A., Santos A.M.C., Novoa A., Rodrigues A., Mascarenhas A., Martins A.D., Holzschuh A., Meseguer A.S., Hadjichambis A., Mayer A., Hacket-Pain A., Ringsmuth A., de Frutos A., Stein A., Heikkinen A., Smith A., Björnsne A.-K., Bagnères A.-G., Machordom A., Kristin A., Ghoddousi A., Staal A., Martin A., Taylor A., Borrell A., Marescaux A., Torres A., Helm A., Bauer B., Smetschka B., Rodríguez-Labajos B., Peco B., Gambin B., Celine B., Phalan B., Cotta B., Rugani B., Jarčuška B., Leroy B., Nikolov B.P., Milchev B.P., Brown C., Ritter C.D., Gomes C.B., Meyer C., Munteanu C., Penone C., Friis C., Teplitsky C., Roemer C., Orland C., Voigt C.C., Levers C., Zang C., Bacon C.D., Meyer C., Wordley C., Grilo C., Cattaneo C., Battisti C., Banks-Leite C., Zurell D., Challender D., Müller D., Matenaar D., Silvestro D., McKay D.A., Buckley D., Frantz D., Grémillet D., Mateos D.M., Sánchez-Fernández D., Vieites D., Ascoli D., Arlt D., Louis D., Zemp D.C., Strubbe D., Gil D., Llusia D., Bennett D.J., Chobanov D.P., Aguilera E., Oliveira E., Pynegar E.L., Granda E., Grieco E., Conrad E., Revilla E., Lindkvist E., Caprio E., Ermgassen E.Z., Berenguer E., Ochu E., Polaina E., Nurnberger F., Esculier F., de Castro F., Albanito F., Langerwisch F., Batsleer F., Ascensao F., Moyano F.E., Sayol F., Buzzetti F.M., Eiro F., Volaire F., Gollnow F., Menzel F., Pilo F., Moreira F., Briens F., Essl F., Vlahos G., Billen G., Vacchiano G., Wong G., Gruychev G.V., Fandos G., Petter G., Sinare H., Mumby H.S., Cottyn H., Seebens H., Bjorklund H., Schroeder H., Hernandez H.D.L., Rebelo H., Chenet H., De la Riva I., Torre I., Aalders I., Grass I., Chuine I., Gopel J., Wieringa J.J., Engler J.O., Pergl J., Schnitzler J., Vavra J.,

Medvedovic J., Cabello J., Martin J.-L., Mutke J., Lewis J., da Silva J.F., Marull J., Carvalho J., Carnicer J., Enqvist J., Simaika J.P., Noguera J.C., Moreno J.M.B., Brùna J., Garnier J., Fargallo J.A., Rocha J.C., Carrillo J.D., Infante-Amate J., Díaz J.T., Schleicher J., Simon J., Le Noë J., Gerlach J., Eriksson K.M., Princé K., Ostapowicz K., Štajerová K., Farrell K.N., Snell K., Yates K., Fleischer K., Darras K., Schumacher K., Orach K., Thonicke K., Riede K., Heller K.-G., Wang-Erlandsson L., Pereira L., Riggi L., Flórez L.V., Emperaire L., Durieux L., Tatin L., Rozylowicz L., Latella L., Andresen L.C., Cahen-Fourot L., de Água L.B., Boto L., Lassaletta L., Amo L., Sekerka L., Morales M.B., Macía M.J., Suárez M.G., Cabeza M., Londo M., Pollet M., Schwieder M., Peters M.K., D'Amico M., Casazza M., Florencio M., Felipe-Lucia M., Gebara M.F., Johansson M., Garcia M.M., Piquer-Rodríguez M., Tengö M., Elias M., Levé M., Conde M., Winter M., Koster M., Mayer M., Šálek M., Schlerf M., Sullivan M., Baumann M., Pichler M., Marselle M., Oddie M., Razanajatovo M., Borregaard M.K., Theurl M.C., Hernández M., Krofel M., Kechev M.O., Clark M., Rands M., Antal M., Pucetaite M., Islar M., Truong M.-X.A., Vighi M., Johanisova N., Prat N., Escobar N., Deguines N., Rust N., Zafra-Calvo N., Maurel N., Wagner N., Fitton N., Ostermann O., Panferov O., Angé O., Canals O., Englund O., De Smedt P., Petridis P., Heikkurinen P., Weigelt P., Henriksson P.J.G., de Castro P.D., Matos-Maraví P., Durán P., Aragón P., Cardoso P., Leitao P.J., Hosner P.A., Biedermann P., Keil P., Petřík P., Martin P., Bocquillon P., Renaud P.-C., Addison P., Antwis R., Carmenta R., Barrientos R., Smith R., Rocha R., Fuchs R., Felix R., Kanka R., Aguilee R., Caminal R.P., Libbrecht R., Lorrilliere R., van der Ent R.J., Henders S., Pueyo S., Roturier S., Jacobs S., Lavorel S., Leonhardt S.D., Fraixedas S., Villen-Perez S., Cornell S., Redlich S., De Smedt S., van der Linden S., Perez-Ortega S., Petrovan S., Cesár S., Sjoberg S., Caillon S., Schindler S., Trogisch S., Taiti S., Oppel S., Lutter S., Garnett T., Guedes T., Wanger T.C., Kastner T., Worthington T., Daw T., Schmoll T., McPhearson T., Engl T., Rutting T., Václavík T., Jucker T., Robillard T., Krause T., Ljubomirov T., Aavik T., Richardson V.A., Masterson V.A., Seufert V., Cathy V.G., Rabanal V.C., Montade V., Thieu V., Sober V., Morin X., Mehrabi Z., Gonzalez A.T., Sanz-Cobena A., Christie A.P., Romero-Munoz A., Dauriach A., Queiroz A.S., Golland A., Evans A.L., Cordero A.M.A., Dara A., Rilović A., Pedersen A.F., Csergő A.M., Lewerentz A., Monserand A., Valdecasas A.G., Doherty A., Semper-Pascual A., Bleyhl B., Rutschmann B., Bongalov B., Hankerson B., Heylen B., Alonso-Alvarez C., Comandulli C., Frossard C.M., McKeon C., Godde C., Palm C., Singh C., Sieger C.S., Ohrling C., Paitan C.P., Cooper C., Edler D., Rosler D.C., Kessner-Beierlein D., del Amo D.G., Bosch D.L., Guldner D., Noll D., Motivans E., Canteri E., Garnett E., Malecore E., Brambach F., Ruedenauer F., Yin F., Hurtado F., Mempel F., de Freitas F.L.M., Pendrill F., Leijten F., Somma F., Schug F., De Knijf G., Peterson G., Pe'er G., Booth H., Rhee H., Staude I., Gherghel I., Traver J.V., Kerner J., Hinton J., Hortal J., Persson J., Uddling

J., Coenen J., Geldmann J., Geschke J., Jürgensen J., Lobo J.M., Skejo J., Heinen J.H., Schünzel J., Dániel-Ferreira J., Piquet J.C., Murtough K.L., Prevel L., Hissa L.B.V., Hård af Segerstad L., Willemse L., Benavides L., Sovová L., Figueiredo L., Leidinger L., Piemontese L., Marin da Fonte L.F., Moreta L.S., Bhan M., Toledo-Hernández M., Engert M., Davoli M., Navarro M.M., Voigt M., Zirion M., Wandl M.-T., Kipson M., Johnson M.D., Lukic M., Goula M., Jung M., Nunes M.H., Alvarez M.R., van den Burg M.P., Guerrero M.D.P., Greenfield M., Lobmann M., Nygren M., Guth M.K., Koh N., Stanek N., Roux N., Karagouni N., Tiralla N., Mairota P., Savaget P., von Dohren P., Benyei P., Lena P., Rufin P., Janke R., Santagata R., Motta R., Battiston R., Oyanedel R., Bernardo-Madrid R., Vasconcelos S., Henriques S., Bager S.L., Qin S., Ivkovi S., Cooke S., Ernst S., Schmelzer S., da Silva S., Faberova T., Enseroth T., De Marzo T., Pienkowski T., Engel T., Bohnert T., Swinfield T., Kurdikova V., Chvatalova V., Lopez-Marquez V., Arridge W., Zhang Z. Make EU trade with Brazil sustainable (2019) Science, 364 (6438), pp. 341 DOI: 10.1126/science.aaw8276

DOCUMENT TYPE: Letter

Phipps W.L., López-López P., Buechley E.R., Oppel S., Álvarez E., Arkumarev V., Bekmansurov R., Berger-Tal O., Bermejo A., Bounas A., Alanís I.C., de la Puente J., Dobrev V., Duriez O., Efrat R., Fréchet G., García J., Galán M., García-Ripollés C., Gil A., Iglesias-Lebrija J.J., Jambas J., Karyakin I.V., Kobierzycki E., Kret E., Loercher F., Monteiro A., Morant Etxebarria J., Nikolov S.C., Pereira J., Peške L., Ponchon C., Realinho E., Saravia V., Sekercioğlu C.H., Skartsis T., Tavares J., Teodósio J., Urios V., Vallverdú N.

Spatial and Temporal Variability in Migration of a Soaring Raptor Across Three Continents

(2019) Frontiers in Ecology and Evolution, 7, art. no. 323 DOI: 10.3389/fevo.2019.00323

DOCUMENT TYPE: Article

El Mubarak M.A., Stylos E.K., Chatziathanasiadou M.V., Danika C., Alexiou G.A., Tsekeris P., Renziehausen A., Crook T., Syed N., Sivolapenko G.B., Tzakos A.G. Development and validation of simple step protein precipitation UHPLC-MS/MS methods for quantitation of temozolomide in cancer patient plasma samples (2019) Journal of Pharmaceutical and Biomedical Analysis, 162, pp. 164 – 170 DOI: 10.1016/j.jpba.2018.09.019

DOCUMENT TYPE: Article

Tsiafoulis C.G., Papaemmanouil C., Alivertis D., Tzamaloukas O., Miltiadou D.,  
Balayssac S., Malet-Martino M., Gerothanassis I.P.  
NMR-based metabolomics of the lipid fraction of organic and conventional bovine milk  
(2019) *Molecules*, 24 (6), art. no. 1067 DOI: 10.3390/molecules24061067  
DOCUMENT TYPE: Article

Filiou M.D., Sandi C.  
Anxiety and Brain Mitochondria: A Bidirectional Crosstalk  
(2019) *Trends in Neurosciences*, 42 (9), pp. 573 – 588 DOI: 10.1016/j.tins.2019.07.002  
DOCUMENT TYPE: Review

Bounas A.  
Premigratory moult in the Lesser Kestrel Falco naumanni  
(2019) *Avocetta*, 43 (1), pp. 49 – 54 DOI: 10.30456/AVO.2019106  
DOCUMENT TYPE: Article

Gkouletsos T., Patas K., Lambrinidis G., Neubauer H., Sprague L.D., Ioannidis A.,  
Chatzipanagiotou S.  
Antimicrobial resistance of *Yersinia enterocolitica* and presence of plasmid pYV  
virulence genes in human and animal isolates (2019) *New Microbes and New  
Infections*, 32, art. no. 100604 DOI: 10.1016/j\_nmni.2019.100604  
DOCUMENT TYPE: Article

Vokou D., Genitsaris S., Karamanolis K., Vareli K., Zachari M., Voggoli D., Monokrousos  
N., Halley J.M., Sainis I.  
Metagenomic characterization reveals pronounced seasonality in the diversity and  
structure of the phyllosphere bacterial community in a mediterranean ecosystem (2019)  
*Microorganisms*, 7 (11), art. no. 518 DOI: 10.3390/microorganisms7110518  
DOCUMENT TYPE: Article

Gkagkavouzis K., Karaiskou N., Katopodi T., Leonardos I., Abatzopoulos T.J.,  
Triantafyllidis A.  
The genetic population structure and temporal genetic stability of gilthead sea bream  
*Sparus aurata* populations in the Aegean and Ionian Seas, using microsatellite DNA  
markers (2019) *Journal of Fish Biology*, 94 (4), pp. 606 – 613 DOI: 10.1111/jfb.13932  
DOCUMENT TYPE: Article

Karageorgou D., Thomou E., Vourvou N.T., Lyra K.-M., Chalmpes N., Enotiadis A., Spyrou K., Katapodis P., Gournis D., Stamatis H.  
Antibacterial and Algicidal Effects of Porous Carbon Cuboid Nanoparticles (2019) ACS Omega, 4 (3), pp. 4991 – 5001 DOI: 10.1021/acsomega.8b02018  
DOCUMENT TYPE: Article

Papadi G., Wesseling S., Troganis A.N., Vervoort J., Rietjens I.M.C.M.  
Induction of EpRE-mediated gene expression by a series of mediterranean botanicals and their constituents (2019) Journal of Ethnopharmacology, 240, art. no. 111940 DOI: 10.1016/j.jep.2019.111940  
DOCUMENT TYPE: Article

Fotiadou R., Patila M., Hammami M.A., Enotiadis A., Moschovas D., Tsirka K., Spyrou K., Giannelis E.P., Avgeropoulos A., Paipetis A., Gournis D., Stamatis H.  
Development of effective lipase-hybrid nanoflowers enriched with carbon and magnetic nanomaterials for biocatalytic transformations (2019) Nanomaterials, 9 (6), art. no. 808 DOI: 10.3390/nano9060808  
DOCUMENT TYPE: Article

Tsaparis D., Sotiropoulos K., Legakis A., Kotoulas G., Kasapidis P.  
New phylogeographic insights support the distinctiveness and conservation value of the little-known Greek roe deer populations (2019) Mammalian Biology, 96, pp. 23 - 27 DOI: 10.1016/j.mambio.2019.03.010  
DOCUMENT TYPE: Article

Thacker C.E., Gkenas C.  
Gobionellidae (2019) Ecology and Evolution, 9 (14), pp. 8087 – 8103 DOI: 10.1002/ece3.5375  
DOCUMENT TYPE: Article

Sapounidis A.S., Koutrakis E.T., Leonardos I.D.  
Fish-based River Integrity Index: A first attempt in developing a water quality index for the assessment of the Greek rivers (2019) Ecohydrology and Hydrobiology, 19 (4), pp. 620 – 628 DOI: 10.1016/j.ecohyd.2017.11.004  
DOCUMENT TYPE: Article

Chatziathanasiadou M.V., Stylos E.K., Giannopoulou E., Spyridaki M.-H., Briasoulis E., Kalofonos H.P., Crook T., Syed N., Sivolapenko G.B., Tzakos A.G.

Development of a validated LC-MS/MS method for the in vitro and in vivo quantitation of sunitinib in glioblastoma cells and cancer patients (2019) Journal of Pharmaceutical and Biomedical Analysis, 164, pp. 690 – 697 DOI: 10.1016/j.jpba.2018.11.030

DOCUMENT TYPE: Article

Karayanni H., Kormas K.A., Moustaka-Gouni M., Sommer U.

Changes in heterotrophic Picoplankton community structure after induction of a phytoplankton bloom under different light regimes (2019) Diversity, 11 (10), art. no. 195 DOI: 10.3390/d11100195

DOCUMENT TYPE: Article

Iliopoulos Y., Astaras C., Lazarou Y., Petridou M., Kazantzidis S., Waltert M.

Tools for co-existence: Fladry corrals efficiently repel wild wolves (*Canis lupus*) from experimental baiting sites (2019) Wildlife Research, 46 (6), pp. 484 – 498 DOI: 10.1071/WR18146

DOCUMENT TYPE: Article

Papamichael E.M., Stamatis H., Stergiou P.-Y., Foukis A., Gkini O.A.

Enzyme kinetics and modeling of enzymatic systems (2019) Biomass, Biofuels,

Biochemicals: Advances in Enzyme Technology, pp. 71 – 104 DOI:

10.1016/B978-0-444-64114-4.00003-0

DOCUMENT TYPE: Book chapter

Meltzanidou P., Patsatsi A., Kyriakou A., Vareli K., Lambropoulos A.

Detection of IgG autoantibodies against desmocollin-3 in greek patients with pemphigus

(2019) Acta Dermatovenerologica Croatica, 27 (1), pp. 8 - 10

DOCUMENT TYPE: Article

Pantazi D., Ntemou N., Brentas A., Alivertis D., Skobridis K., Tselepis A.D.

Molecular requirements for the expression of antiplatelet effects by synthetic structural optimized analogues of the anticancer drugs imatinib and nilotinib (2019) Drug Design, Development and Therapy, 13, pp. 4225 – 4238 DOI: 10.2147/DDDT.S211907

DOCUMENT TYPE: Article

Buechel S.D., Noreikiene K., DeFaveri J., Toli E., Kolm N., Merilä J.

Variation in sexual brain size dimorphism over the breeding cycle in the three-spined stickleback (2019) Journal of Experimental Biology, 222 (7), art. no. jeb194464 DOI:

10.1242/jeb.194464

DOCUMENT TYPE: Article

Kourou K., Papaloukas C., Fotiadis D.I.

Modeling biological data through dynamic bayesian networks for oral squamous cell carcinoma classification (2019) IFMBE Proceedings, 68 (1), pp. 375 – 379 DOI: 10.1007/978-981-10-9035-6\_69

DOCUMENT TYPE: Conference paper

Papadopoulou Z., Vlaikou A.-M., Theodoridou D., Markopoulos G.S., Tsoni K., Agakidou E., Drosou-Agakidou V., Turck C.W., Filiou M.D., Syrrou M. Stressful newborn memories: Pre-conceptual, in utero, and postnatal events (2019) Frontiers in Psychiatry, 10 (MAR), art. no. 220 DOI: 10.3389/fpsyg.2019.00220

DOCUMENT TYPE: Review

Papadopoulou Z., Vlaikou A.-M., Theodoridou D., Komini C., Chalkiadaki G., Vafeiadi M., Margetaki K., Trangas T., Turck C.W., Syrrou M., Chatzi L., Filiou M.D. Unraveling the serum metabolomic profile of post-partum depression (2019) Frontiers in Neuroscience, 13 (JUL), art. no. 833 DOI: 10.3389/fnins.2019.00833

DOCUMENT TYPE: Article

Renziehausen A., Tsiailani A.D., Perryman R., Stylos E.K., Chatzigiannis C., O'Neill K., Crook T., Tzakos A.G., Syed N.

Encapsulation of temozolomide in a calixarene nanocapsule improves its stability and enhances its therapeutic efficacy against glioblastoma (2019) Molecular Cancer Therapeutics, 18 (9), pp. 1497 – 1505 DOI: 10.1158/1535-7163.MCT-18-1250

DOCUMENT TYPE: Article

Kostas S., Hatziloukas E., Hatzilazarou S., Economou A.S.

Efficient vegetative propagation of various clones of mastic tree (*Pistacia lentiscus* 'Chia') through rooting of shoot cuttings (2019) Acta Horticulturae, 1242, pp. 735 – 742 DOI: 10.17660/ActaHortic.2019.1242.109

DOCUMENT TYPE: Article

Thacker C.E., Gkenas C., Triantafyllidis A., Malavasi S., Leonardos I.

Phylogeny, systematics and biogeography of the European sand gobies (Gobiiformes: Gobionellidae) (2019) Zoological Journal of the Linnean Society, 185 (1), pp. 212 – 225 DOI: 10.1093/zoolinnean/zly026

DOCUMENT TYPE: Article

Chartomatsidou E., Ntoufa S., Kotta K., Rovida A., Akritidou M.A., Belloni D., Ferrero E., Trangas T., Stavroyianni N., Anagnostopoulos A., Rosenquist R., Ghia P., Papakonstantinou N., Stamatopoulos K.

Inhibition of EZH2 and immune signaling exerts synergistic antitumor effects in chronic lymphocytic leukemia (2019) Blood Advances, 3 (12), pp. 1891 – 1896 DOI: 10.1182/bloodadvances.2018030262

DOCUMENT TYPE: Article

Pafilis P., Kapsalas G., Lymberakis P., Protopappas D., Sotiropoulos K

Diet composition of the karpathos marsh frog (*Pelophylax cerigensis*): What does the most endangered frog in europe eat? (2019) Animal Biodiversity and Conservation, 42 (1), pp. 1 – 8 DOI: 10.32800/ABC.2019.42.0001

DOCUMENT TYPE: Article

Petridou M., Youlatos D., Lazarou Y., Selinides K., Pylidis C., Giannakopoulos A., Kati V., Iliopoulos Y.

Wolf diet and livestock selection in central Greece (2019) Mammalia, 83 (6), pp. 530 – 538 DOI: 10.1515/mammalia-2018-0021

DOCUMENT TYPE: Article

Xirouchakis S.M., Armeni E., Nikolopoulou S., Halley J.

Estimating the Potential Mortality of Griffon Vultures (*Gyps fulvus*) Due to Wind Energy Development on the Island of Crete (Greece) (2019) Wind Energy and Wildlife Impacts: Balancing Energy Sustainability with Wildlife Conservation, pp. 205 – 222 DOI: 10.1007/978-3-030-05520-2\_13

DOCUMENT TYPE: Book chapter

## 2018

Orfanakis G., Patila M., Catzikonstantinou A.V., Lyra K.-M., Kouloumpis A., Spyrou K., Katapodis P., Paipetis A., Rudolf P., Gournis D., Stamatis H.

Hybrid nanomaterials of magnetic iron nanoparticles and graphene oxide as matrices for the immobilization of  $\beta$ -glucosidase: Synthesis, characterization, and biocatalytic properties (2018) Frontiers in Materials, 5, art. no. 25 DOI: 10.3389/fmats.2018.00025

DOCUMENT TYPE: Article

Liasko R., Anastasiadou C., Ntakis A.

Eco-morphological consequences of the 'rostral loss' in the intertidal marine shrimp Hippolyte sapphica morphotypes (2018) Journal of the Marine Biological Association of the United Kingdom, 98 (7), pp. 1667 – 1673 DOI: 10.1017/S0025315417000960

DOCUMENT TYPE: Article

Boussios S., Moschetta M., Tatsi K., Tsioris A.K., Pavlidis N.

A review on pregnancy complicated by ovarian epithelial and non-epithelial malignant tumors: Diagnostic and therapeutic perspectives (2018) Journal of Advanced Research, 12, pp. 1 – 9 DOI: 10.1016/j.jare.2018.02.006

DOCUMENT TYPE: Review

Vanikiotis T., Stagakis S., Kyparissis A.

Effects of satellite spatial resolution on gross primary productivity estimation through light use efficiency modeling (2018) Proceedings of SPIE - The International Society for Optical Engineering, 10773, art. no. 107731R DOI: 10.1117/12.2326605

DOCUMENT TYPE: Conference paper

Kyriakou E., Kostagianni A.D., Kellici T.F., Giannopoulou E., Siatis K.E., Sayyad N.,

Kalofonos H.P., Mavromoustakos T., Stamatis H., Tzakos A.G.

Three Regioselectively Acylated Flavonoid Aglycone Derivatives in Equimolar Yield at One Blow (2018) ChemistrySelect, 3 (18), pp. 5207 – 5211 DOI: 10.1002/slct.201703002

DOCUMENT TYPE: Article

Tsialianis A., Tsoumani M., Stylos E.K., Chatziathanasiadou M.V., Kellici T.F.,

Mavromoustakos T., Tselepis A.D., Tzakos A.G.

Designing natural product hybrids bearing triple antiplatelet profile and evaluating their human plasma stability (2018) Methods in Molecular Biology, 1824, pp. 371 - 386

DOI: 10.1007/978-1-4939-8630-9\_22

DOCUMENT TYPE: Book chapter

Zygouri P., Tsoufis T., Kouloumpis A., Patila M., Potsi G., Sevastos A.A., Sideratou Z., Katsaros F., Charalambopoulou G., Stamatis H., Rudolf P., Steriotis T.A., Gournis D.

Synthesis, characterization and assessment of hydrophilic oxidized carbon nanodiscs in bio-related applications (2018) RSC Advances, 8 (1), pp. 122 – 131 DOI: 10.1039/c7ra11045f

DOCUMENT TYPE: Article

Zarkadas I., Angeli E., Sainis I., Voudrias E., Pilidis G.

Food Waste Composting in a High Rate Continuous Feed Drum Reactor: Startup and Carbon Balance Analysis (2018) *Clean - Soil, Air, Water*, 46 (2), art. no. 1700622 DOI: 10.1002/clen.201700622

DOCUMENT TYPE: Article

Tsiomita S., Georgopoulou U., Doumba P.P., Koskinas J., Adamidis K., Papaloukas C., Thyphronitis G.

Evaluation of alternative serum biomarkers to monitor the progression of chronic HBV and HCV infection (2018) *Infection, Genetics and Evolution*, 58, pp. 17 – 22 DOI: 10.1016/j.meegid.2017.12.002

DOCUMENT TYPE: Article

Salvarina I., Koutrakis E., Leonardos I.

Comparative study of feeding behaviour of five Mugilidae species juveniles from two estuarine systems in the North Aegean Sea (2018) *Journal of the Marine Biological Association of the United Kingdom*, 98 (2), pp. 283 – 297 DOI:

10.1017/S0025315416001211

DOCUMENT TYPE: Article

Tzortzakaki O., Kati V., Kassara C., Tietze D.T., Giokas S.

Seasonal patterns of urban bird diversity in a Mediterranean coastal city: the positive role of open green spaces (2018) *Urban Ecosystems*, 21 (1), pp. 27 – 39 DOI: 10.1007/s11252-017-0695-9

DOCUMENT TYPE: Article

Zakkak S., Radovic A., Panitsa M., Vassilev K., Shuka L., Kuttner M., Schindler S., Kati V.

Vegetation patterns along agricultural land abandonment in the Balkans (2018) *Journal of Vegetation Science*, 29 (5), pp. 877 – 886 DOI: 10.1111/jvs.12670

DOCUMENT TYPE: Article

Bounas A., Catsadorakis G., Logotheti A., Voslamber B., Magoulas A., Tsaparis D.

Conservation genetics of a resident population of Greylag Goose (*Anser anser*) at the southernmost limit of the species' distribution in Europe (2018) *Avian Research*, 9 (1), art. no. 47 DOI: 10.1186/s40657-018-0139-0

DOCUMENT TYPE: Article

Papachristodoulou C., Tsiamou M.-C., Sakkas H., Papadopoulou C.  
Determination of minerals in infant milk formulae by energy dispersive X-ray  
fluorescence spectrometry (2018) Journal of Food Composition and Analysis, 72, pp. 39  
– 47 DOI: 10.1016/j.jfca.2018.06.007  
DOCUMENT TYPE: Article

Monokroukos N., Papatheodorou E.M., Stamou G.P.  
Dimension and structural traits of soil micropores in cultivations differing in the duration  
of organic management (2018) Environmental Engineering and Management Journal,  
17 (7), pp. 1555 – 1562 DOI: 10.30638/eemj.2018.154  
DOCUMENT TYPE: Article

Oikonomou A., Leprieur F., Leonardos I.D.  
Ecomorphological diversity of freshwater fishes as a tool for conservation priority  
setting: a case study from a Balkan hotspot (2018) Environmental Biology of Fishes,  
101 (7), pp. 1121 – 1136 DOI: 10.1007/s10641-018-0759-6  
DOCUMENT TYPE: Article

Tsiola A., Toncelli C., Fodelianakis S., Michoud G., Bucheli T.D., Gavriilidou A., Kagiorgi  
M., Kalantzi I., Knauer K., Kotoulas G., Mylona K., Papadopoulou E., Psarra S., Santi I.,  
Tsapakis M., Daffonchio D., Pergantis S.A., Pitta P.  
Low-dose addition of silver nanoparticles stresses marine plankton communities (2018)  
Environmental Science: Nano, 5 (8), pp. 1965 – 1980 DOI: 10.1039/c8en00195b  
DOCUMENT TYPE: Article

Dimopoulos G., Stefanou N., Andreou V., Taoukis P.  
Effect of pulsed electric fields on the production of yeast extract by autolysis (2018)  
Innovative Food Science and Emerging Technologies, 48, pp. 287 – 295 DOI:  
10.1016/j.ifset.2018.07.005  
DOCUMENT TYPE: Article

Dimopoulos G., Stefanou N., Andreou V., Taoukis P.  
Effect of pulsed electric fields on the production of yeast extract by autolysis (2018)  
Innovative Food Science and Emerging Technologies, 48, pp. 287 – 295 DOI:  
10.1016/j.ifset.2018.07.005  
DOCUMENT TYPE: Article

Giannoglou M., Alexandrakis Z., Stavros P., Katsaros G., Katapodis P., Nounesis G., Taoukis P.

Effect of high pressure on structural modifications and enzymatic activity of a purified X-prolyl dipeptidyl aminopeptidase from *Streptococcus thermophilus* (2018) Food Chemistry, 248, pp. 304 – 311 DOI: 10.1016/j.foodchem.2017.12.037

DOCUMENT TYPE: Article

Parapouli M., Foukis A., Stergiou P.-Y., Koukouritaki M., Magklaras P., Gkini O.A., Papamichael E.M., Afendra A.-S., Hatziloukas E.

Molecular, biochemical and kinetic analysis of a novel, thermostable lipase (LipSm) from *Stenotrophomonas maltophilia* Psi-1, the first member of a new bacterial lipase family (XVIII) (2018) Journal of Biological Research (Greece), 25 (1), art. no. 4 DOI: 10.1186/s40709-018-0074-6

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Chatziathanasiadou M.V., Ravera E., Fragai M., Parigi G., Gerohanassis I.P., Luchinat C., Stamatis H., Tzakos A.G.

Enriching the biological space of natural products and charting drug metabolites, through real time biotransformation monitoring: The NMR tube bioreactor (2018) Biochimica et Biophysica Acta - General Subjects, 1862 (1), pp. 1 – 8 DOI: 10.1016/j.bbagen.2017.09.021

DOCUMENT TYPE: Article

Chatzimarkou A., Chatzimitakos T.G., Kasouni A., Sygellou L., Avgeropoulos A., Stalikas C.D.

Selective FRET-based sensing of 4-nitrophenol and cell imaging capitalizing on the fluorescent properties of carbon nanodots from apple seeds (2018) Sensors and Actuators, B: Chemical, 258, pp. 1152 – 1160 DOI: 10.1016/j.snb.2017.11.182

DOCUMENT TYPE: Article

Bounas A., Tsaparis D., Gustin M., Mikulic K., Sarà M., Kotoulas G., Sotiropoulos K. Using genetic markers to unravel the origin of birds converging towards pre-migratory sites

(2018) Scientific Reports, 8 (1), art. no. 8326 DOI: 10.1038/s41598-018-26669-x

DOCUMENT TYPE: Article

Halley J.M., Van Houtan K.S., Mantua N.

How survival curves affect populations' vulnerability to climate change (2018) PLoS ONE, 13 (9), art. no. e0203124 DOI: 10.1371/journal.pone.0203124

DOCUMENT TYPE: Article

Wielstra B., Canestrelli D., Cvijanović M., Denoël M., Fijarczyk A., Jablonski D., Liana M., Naumov B., Olgun K., Pabjan M., Pezzarossa A., Popgeorgiev G., Salvi D., Si Y., Sillero N., Sotiropoulos K., Zieliński P., Babik W.

The distributions of the six species constituting the smooth newt species complex (*Lissotriton vulgaris* sensu lato and *L. montandoni*) - An addition to the New Atlas of Amphibians and Reptiles of Europe (2018) *Amphibia Reptilia*, 39 (2), pp. 252 – 259  
DOI: 10.1163/15685381-17000128

DOCUMENT TYPE: Article

Patila M., Diamanti E.K., Bergouni D., Polydera A.C., Gournis D., Stamatis H.  
Preparation and biochemical characterisation of nanoconjugates of functionalized carbon nanotubes and cytochrome c (2018) *Nanomedicine Research Journal*, 3 (1), pp. 10 - 18

DOI: 10.22034/NMRJ.2018.01.002

DOCUMENT TYPE: Article

Brotóns L., Herrando S., Sirami C., Kati V., Díaz M.

Mediterranean Forest Bird Communities and the Role of Landscape Heterogeneity in Space and Time (2018) *Ecology and Conservation of Forest Birds*, pp. 318 – 349 DOI: 10.1017/9781139680363.012

DOCUMENT TYPE: Book chapter

Gkantzou E., Patila M., Stamatis H.

Magnetic microreactors with immobilized enzymes-From assemblage to contemporary applications (2018) *Catalysts*, 8 (7), art. no. 282 DOI: 10.3390/catal8070282

DOCUMENT TYPE: Review

Vassiliadi E., Xenakis A., Zoumpanioti M.

Chitosan hydrogels: A new and simple matrix for lipase catalysed biosynthesis (2018) *Molecular Catalysis*, 445, pp. 206 – 212 DOI: 10.1016/j.mcat.2017.11.031

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Gkantzou E., Gournis D., Patila M., Stamatis H.

Stabilization of Laccase Through Immobilization on Functionalized GO-Derivatives  
(2018) Methods in Enzymology, 609, pp. 47 – 81 DOI: 10.1016/bs.mie.2018.05.014  
DOCUMENT TYPE: Book chapter

Chatziathanasiadou M.V., Geromichalou E.G., Sayyad N., Vrettos E.I., Katsikoudi A., Stylos E., Bellou S., Geromichalos G.D., Tzakos A.G.

Amplifying and broadening the cytotoxic profile of quercetin in cancer cell lines through bioconjugation (2018) Amino Acids, 50 (2), pp. 279 – 291 DOI:  
10.1007/s00726-017-2514-2

DOCUMENT TYPE: Article

Papadopoulou A.A., Tzani A., Polydera A.C., Katapodis P., Voutsas E., Detsi A., Stamatis H.

Green biotransformations catalysed by enzyme-inorganic hybrid nanoflowers in environmentally friendly ionic solvents (2018) Environmental Science and Pollution Research, 25 (27), pp. 26707 – 26714 DOI: 10.1007/s11356-017-9271-3

DOCUMENT TYPE: Article

Bounas A., Tsaparis D., Efrat R., Gradev G., Gustin M., Mikulic K., Rodríguez A., Sarà M., Kotoulas G., Sotiropoulos K.

Genetic structure of a patchily distributed philopatric migrant: Implications for management and conservation (2018) Biological Journal of the Linnean Society, 124 (4), pp. 633 – 644 DOI: 10.1093/biolinnean/bly073

DOCUMENT TYPE: Article

Youlatos D., Moussa D., Karantanis N.-E., Rychlik L.

Locomotion, postures, substrate use, and foot grasping in the marsupial feathertail glider *Acrobates pygmaeus* (Diprotodontia: Acrobatidae): Insights into early euprimate evolution (2018) Journal of Human Evolution, 123, pp. 148 – 159 DOI:  
10.1016/j.jhevol.2018.07.007

DOCUMENT TYPE: Article

Tsola S.L., Renta C., Macingo S.C., Karayanni H.

Size-fractionated chlorophyll a and phycocyanin temporal variations in a highly eutrophic lake and its isolated karstic springs (2018) Oceanological and Hydrobiological Studies, 47 (2), pp. 118 – 127 DOI: 10.1515/ohs-2018-0013

DOCUMENT TYPE: Article

Boussios S., Hayward C., Cooke D., Zakynthinakis-Kyriakou N., Tsouris A.K., Chatziantoniou A.A., Kanellos F.S., Karathanasi A.  
Spinal Ewing sarcoma debuting with cord compression: Have we discovered the thread of ariadne? (2018) Anticancer Research, 38 (10), pp. 5589 – 5597 DOI: 10.21873/anticanres.12893  
DOCUMENT TYPE: Review

Chatzimitakos T., Kasouni A., Sygellou L., Leonardos I., Troganis A., Stalikas C.  
Human fingernails as an intriguing precursor for the synthesis of nitrogen and sulfur-doped carbon dots with strong fluorescent properties: Analytical and bioimaging applications  
(2018) Sensors and Actuators, B: Chemical, 267, pp. 494 – 501 DOI: 10.1016/j.snb.2018.04.059  
DOCUMENT TYPE: Article

Kourou K.D., Pezoulas V.C., Georgia E.I., Exarchos T.P., Tsanakas P., Tsiknakis M., Varvarigou T., De Vita S., Tzioufas A., Fotiadis D.I.  
Cohort Harmonization and Integrative Analysis from a Biomedical Engineering Perspective (2018) IEEE Reviews in Biomedical Engineering, 12, art. no. 8410039, pp. 303 – 318 DOI: 10.1109/RBME.2018.2855055  
DOCUMENT TYPE: Review

Giosa E., Mammides C., Zotos S.  
The importance of artificial wetlands for birds: A case study from Cyprus (2018) PLoS ONE, 13 (5), art. no. e0197286 DOI: 10.1371/journal.pone.0197286  
DOCUMENT TYPE: Article

Chayrov R.L., Stylos E.K., Chatzithanasiadou M.V., Chuchkov K.N., Tencheva A.I., Kostagianni A.D., Milkova T.S., Angelova A.L., Galabov A.S., Shishkov S.A., Todorov D.G., Tzakos A.G., Stankova I.G.  
Tailoring acyclovir prodrugs with enhanced antiviral activity: rational design, synthesis, human plasma stability and in vitro evaluation (2018) Amino Acids, 50 (8), pp. 1131 – 1143 DOI: 10.1007/s00726-018-2590-y  
DOCUMENT TYPE: Article

Boussios S., Cooke D., Hayward C., Kanellos F.S., Tsouris A.K., Chatziantoniou A.A., Zakynthinakis-Kyriakou N., Karathanasi A.

Metastatic spinal cord compression: Unraveling the diagnostic and therapeutic challenges (2018) Anticancer Research, 38 (9), pp. 4987 – 4997 DOI: 10.21873/anticanres.12817  
DOCUMENT TYPE: Review

Toli E.A., Siarabi S., Bounas A., Pafilis P., Lymberakis P., Sotiropoulos K.-S. New insights on the phylogenetic position and population genetic structure of the critically endangered karpathos marsh frog pelophylax cerigensis (Amphibia: Anura: Ranidae) (2018) Acta Herpetologica, 13 (2), pp. 117 – 123 DOI: 10.13128/Acta\_Herpetol-23189  
DOCUMENT TYPE: Article

Chatzimitakos T.G., Kasouni A.I., Troganis A.N., Stalikas C.D. Carbonization of Human Fingernails: Toward the Sustainable Production of Multifunctional Nitrogen and Sulfur Codoped Carbon Nanodots with Highly Luminescent Probing and Cell Proliferative/Migration Properties (2018) ACS Applied Materials and Interfaces, 10 (18), pp. 16024 – 16032 DOI: 10.1021/acsami.8b03263  
DOCUMENT TYPE: Article

Tzirkalli E., Eliades E., Chrysopolitou V., Hatziiordanou L., Panagiotou N., Agapiou A., Antoniou A., Xenophontos M., Panayiotou C., Hadjicharalambous H. Natura 2000 habitat mapping in Cyprus using high resolution orthophoto maps (2018) Proceedings of SPIE - The International Society for Optical Engineering, 10773, art. no. 107731G DOI: 10.1117/12.2324301  
DOCUMENT TYPE: Conference paper

Kokkinos P., Karayanni H., Meziti A., Feidaki R., Paparrodopoulos S., Vantarakis A. Assessment of the Virological Quality of Marine and Running Surface Waters in NW Greece: A Case Study (2018) Food and Environmental Virology, 10 (3), pp. 316 – 326 DOI: 10.1007/s12560-018-9344-6  
DOCUMENT TYPE: Article

Avtzis D.N., Stara K., Sgardeli V., Betsis A., Diamandis S., Healey J.R., Kapsalis E., Kati V., Korakis G., Marini Govigli V., Monokrousos N., Muggia L., Nitsiakos V., Papadatou E., Papaioannou H., Rohrer A., Tsakiris R., Van Houtan K.S., Vokou D., Wong J.L.G., Halley J.M. Quantifying the conservation value of Sacred Natural Sites (2018) Biological Conservation, 222, pp. 95 – 103 DOI: 10.1016/j.biocon.2018.03.035

DOCUMENT TYPE: Article

Boussios S., Moschetta M., Karathanasi A., Tsouris A.K., Kanellos F.S., Tatsi K., Katsanos K.H., Christodoulou D.K.

Malignant peritoneal mesothelioma: Clinical aspects, and therapeutic perspectives  
(2018) Annals of Gastroenterology, 31 (6), pp. 659 – 669 DOI: 10.20524/aog.2018.0305

DOCUMENT TYPE: Review

## 2017

Çördük N., Gül Ç., Tosunoğlu M., Sotiropoulos K.

Taxonomic status of a newly described island population of the smooth newt *Lissotriton vulgaris* (Linnaeus, 1758) from bozcaada (Çanakkale, Turkey) (2017) Turkish Journal of Zoology, 41 (1), pp. 189 - 195 DOI: 10.3906/zoo-1602-14

DOCUMENT TYPE: Article

Carvralo F., Malavasi S., Torricelli P., Gkenas C., Liouisa V., Leonardos I., Kappas I., Abatzopoulos T.J., Triantafyllidis A.

Genetic structure of the South European toothcarp *Aphanius fasciatus* (Actinopterygii: Cyprinodontidae) populations in the Mediterranean basin with a focus on the Venice lagoon (2017) European Zoological Journal, 84 (1), pp. 153 – 166 DOI: 10.1080/24750263.2017.1290154

DOCUMENT TYPE: Article

Bounas A., Sotiropoulos K.

Change of feeding strategy prior to migration: A comparative diet analysis in the Lesser Kestrel (*Falco naumanni*) (2017) Avian Biology Research, 10 (1), pp. 27 – 35 DOI: 10.3184/175815617X14799886573101

DOCUMENT TYPE: Article

Nikolaidou C., Votsi N.-E.P., Sgardelis S.P., Maxwell Halley J., Pantis J., Tsiafouli M.A. Ecosystem Service capacity is higher in areas of multiple designation types (2017) One Ecosystem, 2, art. no. e13718 DOI: 10.3897/oneeco.2.e13718

DOCUMENT TYPE: Article

Zografou K., Adamidis G.C., Komnenov M., Kati V., Sotirakopoulos P., Pitta E., Chatzaki M.

Diversity of spiders and orthopterans respond to intra-seasonal and spatial environmental changes (2017) Journal of Insect Conservation, 21 (3), pp. 531 – 543  
DOI: 10.1007/s10841-017-9993-z  
DOCUMENT TYPE: Article

Nabti I., Grimes R., Sarna H., Marangos P., Carroll J.  
Maternal age-dependent APC/C-mediated decrease in securin causes premature sister chromatid separation in meiosis II (2017) Nature Communications, 8, art. no. 15346  
DOI: 10.1038/ncomms15346  
DOCUMENT TYPE: Article

Tzoutzos K., Batistatou A., Kitsos G., Liasko R., Stefanou D.  
Retrospective clinicopathological study of 129 cancerous and 18 precancerous lesions of the eyelids in North-Western Greece (2017) International Ophthalmology, 37 (1), pp. 203 – 208 DOI: 10.1007/s10792-016-0258-8  
DOCUMENT TYPE: Article

Stylos E., Chatziathanasiadou M.V., Syriopoulou A., Tzakos A.G.  
Liquid chromatography coupled with tandem mass spectrometry (LC–MS/MS) based bioavailability determination of the major classes of phytochemicals (2017) Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 1047, pp. 15 – 38 DOI: 10.1016/j.jchromb.2016.12.022  
DOCUMENT TYPE: Article

Noutsopoulos D., Kakouri A., Kartezini E., Pappas D., Hatziloukas E., Samelis J.  
Growth, nisA gene expression, and in situ activity of novel *Lactococcus lactis* subsp. *Cremoris* costarter culture in commercial hard cheese production (2017) Journal of Food Protection, 80 (12), pp. 2137 – 2146 DOI: 10.4315/0362-028X.JFP-17-245  
DOCUMENT TYPE: Article

Zhang Q.-H., Yuen W.S., Adhikari D., Flegg J.A., FitzHarris G., Conti M., Sicinski P., Nabti I., Marangos P., Carroll J.  
Cyclin A2 modulates kinetochore-microtubule attachment in meiosis II (2017) Journal of Cell Biology, 216 (10), pp. 3133 – 3143 DOI: 10.1083/jcb.201607111  
DOCUMENT TYPE: Article

Psonis N., Antoniou A., Kukushkin O., Jablonski D., Petrov B., Crnobrnja-Isailović J., Sotiropoulos K., Gherghel I., Lymberakis P., Poulakakis N.

Hidden diversity in the *Podarcis tauricus* (Sauria, Lacertidae) species subgroup in the light of multilocus phylogeny and species delimitation (2017) Molecular Phylogenetics and Evolution, 106, pp. 6 – 17 DOI: 10.1016/j.ympev.2016.09.007

DOCUMENT TYPE: Article

Panayiotou E., Dimou M., Monokrounos N.

The effects of grazing intensity on soil processes in a Mediterranean protected area (2017) Environmental Monitoring and Assessment, 189 (9), art. no. 441 DOI: 10.1007/s10661-017-6161-6

DOCUMENT TYPE: Article

Stylos E., Chatziathanasiadou M.V., Tsialanis A., Kellici T.F., Tsoumani M., Kostagianni A.D., Deligianni M., Tselepis A.D., Tzakos A.G.

Tailoring naringenin conjugates with amplified and triple antiplatelet activity profile: Rational design, synthesis, human plasma stability and in vitro evaluation (2017) Biochimica et Biophysica Acta - General Subjects, 1861 (11), pp. 2609 – 2618 DOI: 10.1016/j.bbagen.2017.08.018

DOCUMENT TYPE: Article

Chatzikonstantinou A.V., Norra G.-F., Stamatis H., Voutsas E.

Prediction of solvent effect on enzyme enantioselectivity (2017) Fluid Phase Equilibria, 450, pp. 126 – 132 DOI: 10.1016/j.fluid.2017.07.016

DOCUMENT TYPE: Article

Tzortzaki A.E., Vokou D., Halley J.M.

Campanula lingulata populations on Mt. Olympus, Greece: Where's the "abundant centre"? (2017) Journal of Biological Research (Greece), 24 (1), art. no. 1 DOI: 10.1186/s40709-016-0058-3

DOCUMENT TYPE: Article

Lampros C., Papaloukas C., Exarchos T., Fotiadis D.I.

HMMs in protein fold classification (2017) Methods in Molecular Biology, 1552, pp. 13 – 27 DOI: 10.1007/978-1-4939-6753-7\_2

DOCUMENT TYPE: Book chapter

Zografou K., Wilson R.J., Halley J.M., Tzirkalli E., Kati V.

How are arthropod communities structured and why are they so diverse? Answers from Mediterranean mountains using hierarchical additive partitioning (2017) *Biodiversity and Conservation*, 26 (6), pp. 1333 – 1351 DOI: 10.1007/s10531-017-1303-2  
DOCUMENT TYPE: Article

Sotiropoulos K., Moustakas K., Konstantinidis K., Mantzana-Oikonomaki V., Siarabi S., Bounas A.

First record of facultative paedomorphosis in the macedonian crested newt (*Triturus macedonicus*) and an additional record for the greek smooth newt (*Issotriton vulgaris*) from greece: implications on species conservation and preservation of alternative ontogenetic trajectories (2017) *Herpetology Notes*, 10, pp. 255 - 260

DOCUMENT TYPE: Article

Prinsloo G., Papadi G., Hibben M.G., de Haan L., Louisse J., Beekmann K., Vervoort J., Rietjens I.M.C.M.

In vitro bioassays to evaluate beneficial and adverse health effects of botanicals: promises and pitfalls (2017) *Drug Discovery Today*, 22 (8), pp. 1187 – 1200 DOI: 10.1016/j.drudis.2017.05.002

DOCUMENT TYPE: Review

Kourou K., Papaloukas C., Fotiadis D.I.

Integration of Pathway Knowledge and Dynamic Bayesian Networks for the Prediction of Oral Cancer Recurrence (2017) *IEEE Journal of Biomedical and Health Informatics*, 21 (2), art. no. 7776813, pp. 320 – 327 DOI: 10.1109/JBHI.2016.2636448

DOCUMENT TYPE: Article

Halley J.M., Monokrousos N., Mazaris A.D., Vokou D.

Extinction debt in plant communities: where are we now? (2017) *Journal of Vegetation Science*, 28 (3), pp. 459 – 461 DOI: 10.1111/jvs.12538

DOCUMENT TYPE: Note

Takis P.G., Papavasileiou K.D., Peristeras L.D., Boulougouris G.C., Melissas V.S., Troganis A.N.

Unscrambling micro-solvation of -COOH and -NH groups in neat dimethyl sulfoxide: Insights from <sup>1</sup>H-NMR spectroscopy and computational studies (2017) *Physical Chemistry Chemical Physics*, 19 (21), pp. 13710 – 13722 DOI: 10.1039/c7cp01592e  
DOCUMENT TYPE: Article

Papadopoulou A., Gole E., Melachroinou K., Trangas T., Bountouvi E., Papadimitriou A. Clinical characterization of a novel calcium sensing receptor genetic alteration in a greek patient with autosomal dominant hypocalcemia type 1 (2017) Hormones, 16 (2), pp. 200 – 204 DOI: 10.14310/horm.2002.1734

DOCUMENT TYPE: Article

Khoshneisan K., Vakhshiteh F., Barkhi M., Baharifar H., Poor-Akbar E., Zari N., Stamatis H., Bordbar A.-K.

Immobilization of cellulase enzyme onto magnetic nanoparticles: Applications and recent advances (2017) Molecular Catalysis, 442, pp. 66 – 73 DOI: 10.1016/j.mcat.2017.09.006

DOCUMENT TYPE: Review

Karayanni H., Meziti A., Spatharis S., Genitsaris S., Courties C., Kormas K.A. Changes in microbial (Bacteria and archaea) plankton community structure after artificial dispersal in grazer-free microcosms (2017) Microorganisms, 5 (2), art. no. 31 DOI: 10.3390/microorganisms5020031

DOCUMENT TYPE: Article

Kordopati G.G., Tzoupis H., Troganis A.N., Tsivgoulis G.M., Golic Grdadolnik S., Simal C., Tselios T.V.

Biologically relevant conformational features of linear and cyclic proteolipid protein (PLP) peptide analogues obtained by high-resolution nuclear magnetic resonance and molecular dynamics (2017) Journal of Computer-Aided Molecular Design, 31 (9), pp. 841 – 854 DOI: 10.1007/s10822-017-0045-2

DOCUMENT TYPE: Article

Chatzimitakos T., Kasouni A., Sygellou L., Avgeropoulos A., Troganis A., Stalikas C. Two of a kind but different: Luminescent carbon quantum dots from Citrus peels for iron and tartrazine sensing and cell imaging (2017) Talanta, 175, pp. 305 – 312 DOI: 10.1016/j.talanta.2017.07.053

DOCUMENT TYPE: Article

Kotzias D., Pilidis G.

Building design and indoor air quality - Experience and prospects (2017) Fresenius Environmental Bulletin, 26 (1), pp. 323 - 326

DOCUMENT TYPE: Article

Toli E.A., Noreikiene K., DeFaveri J., Merilä J.  
Environmental enrichment, sexual dimorphism, and brain size in sticklebacks (2017)  
Ecology and Evolution, 7 (6), pp. 1691 – 1698 DOI: 10.1002/ece3.2717  
DOCUMENT TYPE: Article

Newmark W.D., Jenkins C.N., Pimm S.L., McNeally P.B., Halley J.M.  
Targeted habitat restoration can reduce extinction rates in fragmented forests (2017)  
Proceedings of the National Academy of Sciences of the United States of America, 114  
(36), pp. 9635 – 9640 DOI: 10.1073/pnas.1705834114  
DOCUMENT TYPE: Article

Patila M., Orfanakis G., Polydera A.C., Pavlidis I.V., Stamatis H.  
Graphene-based nanobiocatalytic systems (2017) Biocatalysis and Nanotechnology, pp.  
243 – 278 DOI: 10.1201/9781315196602  
DOCUMENT TYPE: Book chapter

Perez-Sanchez J., Lorenzo L.-E., Lecker I., Zurek A.A., Labrakakis C., Bridgwater E.M.,  
Orser B.A., De Koninck Y., Bonin R.P.  
α5GABAA Receptors Mediate Tonic Inhibition in the Spinal Cord Dorsal Horn and  
Contribute to the Resolution Of Hyperalgesia (2017) Journal of Neuroscience Research,  
95 (6), pp. 1307 – 1318 DOI: 10.1002/jnr.23981  
DOCUMENT TYPE: Article

Tzima E., Serifi I., Tsikari I., Alzualde A., Leonardos I., Papamarcaki T.  
Transcriptional and behavioral responses of zebrafish larvae to microcystin-LR  
exposure (2017) International Journal of Molecular Sciences, 18 (2), art. no. 365 DOI:  
10.3390/ijms18020365  
DOCUMENT TYPE: Article

Oppel S., Dobrev V., Arkumarev V., Saravia V., Bounas A., Manolopoulos A., Kret E.,  
Velevski M., Popgeorgiev G.S., Nikolov S.C.  
Landscape factors affecting territory occupancy and breeding success of Egyptian  
Vultures on the Balkan Peninsula (2017) Journal of Ornithology, 158 (2), pp. 443 – 457  
DOI: 10.1007/s10336-016-1410-y  
DOCUMENT TYPE: Article

Sgardeli V., Iwasa Y., Varvoglou H., Halley J.M.

A forecast for extinction debt in the presence of speciation (2017) Journal of Theoretical Biology, 415, pp. 48 – 52 DOI: 10.1016/j.jtbi.2016.11.004

DOCUMENT TYPE: Article

## 2016

Stara K., Sidiropoulos L., Tsiakiris R.

Bound Eagles, Evil Vultures and Cuckoo Horses. Preserving the Bio-Cultural Diversity of Carrion Eating Birds (2016) Human Ecology, 44 (6), pp. 751 – 764 DOI: 10.1007/s10745-016-9864-3

DOCUMENT TYPE: Article

Xenakis A., Zoumpanioti M., Stamatis H.

Enzymatic reactions in structured surfactant-free microemulsions (2016) Current Opinion in Colloid and Interface Science, 22, pp. 41 – 45 DOI: 10.1016/j.cocis.2016.02.009

DOCUMENT TYPE: Review

Magoulas G.E., Rigopoulos A., Piperigkou Z., Gialeli C., Karamanos N.K., Takis P.G., Troganis A.N., Chrissanthopoulos A., Maroulis G., Papaioannou D.

Synthesis and antiproliferative activity of two diastereomeric lignan amides serving as dimeric caffeic acid-l-DOPA hybrids (2016) Bioorganic Chemistry, 66, pp. 132 - 144 DOI: 10.1016/j.bioorg.2016.04.003

DOCUMENT TYPE: Article

Veith M., Göçmen B., Sotiropoulos K., Kieren S., Godmann O., Steinfartz S.

Seven at one blow: The origin of major lineages of the viviparous Lycian salamanders (*Lyciasalamandra* Veith and Steinfartz, 2004) was triggered by a single paleo-historic event (2016) Amphibia Reptilia, 37 (4), pp. 373 – 387 DOI: 10.1163/15685381-00003067

DOCUMENT TYPE: Article

Karamihalaki M., Stagakis S., Sykioti O., Kyparissis A., Parcharidis I.

Monitoring drought effects on mediteranean conifer forests using spot-vegetation NDVI and NDWI timeseries (2016) European Space Agency, (Special Publication) ESA SP, SP-740

DOCUMENT TYPE: Conference paper

Oppel S., Dobrev V., Arkumarev V., Saravia V., Bounas A., Kret E., Skartsi T., Velevski M., Stoychev S., Nikolov S.C.

Assessing the effectiveness of intensive conservation actions: Does guarding and feeding increase productivity and survival of Egyptian Vultures in the Balkans? (2016)

Biological Conservation, 198, pp. 157 – 164 DOI: 10.1016/j.biocon.2016.04.002

DOCUMENT TYPE: Article

Kavrochorianou N., Evangelidou M., Markogiannaki M., Tovey M., Thyphroniti G., Haralambous S.

Ifnar signaling directly modulates t lymphocyte activity, resulting in milder experimental

autoimmune encephalomyelitis development (2016) Journal of Leukocyte Biology, 99

(1), pp. 175 – 188 DOI: 10.1189/jlb.3A1214-598R

DOCUMENT TYPE: Article

Monokroukos N., Charalampidis G., Kapagianni P., Argyropoulou M.D., Papatheodorou E.M.

Spatial and temporal variations of soil function in a Mediterranean serpentine ecosystem

(2016) Soil Research, 54 (8), pp. 905 – 913 DOI: 10.1071/SR15291

DOCUMENT TYPE: Article

Giannakas A., Vlacha M., Salmas C., Leontiou A., Katapodis P., Stamatis H., Barkoula N.-M., Ladavos A.

Preparation, characterization, mechanical, barrier and antimicrobial properties of chitosan/PVOH/clay nanocomposites (2016) Carbohydrate Polymers, 140, pp. 408 – 415 DOI: 10.1016/j.carbpol.2015.12.072

DOCUMENT TYPE: Article

Papadopoulou A., Gole E., Melachroinou K., Meristoudis C., Siahnidou T., Papadimitriou A.

Identification and functional characterization of a calcium-sensing receptor mutation in an infant with familial hypocalciuric hypercalcemia (2016) JCRPE Journal of Clinical Research in Pediatric Endocrinology, 8 (3), pp. 341 – 346 DOI: 10.4274/jcrpe.2800

DOCUMENT TYPE: Article

Levizou E., Kyparissis A.

A novel pattern of leaf movement: The case of *Capparis spinosa* L. (2016) Tree Physiology, 36 (9), pp. 1117 – 1126 DOI: 10.1093/treephys/tpw059

DOCUMENT TYPE: Article

Toli E.-A., Calboli F.C.F., Shikano T., Merilä J.

A universal and reliable assay for molecular sex identification of three-spined sticklebacks (*Gasterosteus aculeatus*) (2016) *Molecular Ecology Resources*, 16 (6), pp. 1389 - 1400

DOI: 10.1111/1755-0998.12543

DOCUMENT TYPE: Article

Topi C., Esposto E., Marini Govigli V.

The economics of green transition strategies for cities: Can low carbon, energy efficient development approaches be adapted to demand side urban water efficiency?

(2016) *Environmental Science and Policy*, 58, pp. 74 – 82 DOI:

10.1016/j.envsci.2016.01.001

DOCUMENT TYPE: Article

Vlachou M., Giannakas A., Katapodis P., Stamatis H., Ladavos A., Barkoula N.-M.

On the efficiency of oleic acid as plasticizer of chitosan/clay nanocomposites and its role on thermo-mechanical, barrier and antimicrobial properties - Comparison with glycerol

(2016) *Food Hydrocolloids*, 57, pp. 10 – 19 DOI: 10.1016/j.foodhyd.2016.01.003

DOCUMENT TYPE: Article

Papadopoulou A.A., Efstathiadou E., Patila M., Polydera A.C., Stamatis H.

Deep Eutectic Solvents as Media for Peroxidation Reactions Catalyzed by Heme-Dependent Biocatalysts (2016) *Industrial and Engineering Chemistry Research*, 55 (18), pp. 5145 – 5151 DOI: 10.1021/acs.iecr.5b04867

DOCUMENT TYPE: Article

Halley J.M., Monokrousos N., Mazaris A.D., Newmark W.D., Vokou D.

Dynamics of extinction debt across five taxonomic groups (2016) *Nature Communications*, 7, art. no. 12283 DOI: 10.1038/ncomms12283

DOCUMENT TYPE: Article

Kinigopoulou M., Filippidou M., Gogou M., Giannousi A., Fouka P., Ntemou N., Alivertis D., Georgis C., Brentas A., Polychronidou V., Voulgari P., Theodorou V., Skobridis K.

An optimized approach in the synthesis of imatinib intermediates and analogues (2016) *RSC Advances*, 6 (66), pp. 61458 – 61467 DOI: 10.1039/c6ra09812f

DOCUMENT TYPE: Article

Bounas A., Panuccio M., Evangelidis A., Sotiropoulos K., Barboutis C.  
The migration of the Lesser Kestrel Falco naumanni in Eastern Europe - A ringing  
recovery and direct observation approach (2016) *Acrocephalus*, 37 (168-169), pp. 49 –  
56 DOI: 10.1515/acro-2016-0002  
DOCUMENT TYPE: Article

Oppel S., Dobrev V., Arkumarev V., Saravia V., Bounas A., Kret E., Skartsi T., Velevski  
M., Stoychev S., Nikolov S.C.  
Should we trust beliefs or data when assessing conservation interventions? A reply to  
Stoynov 2016 (2016) *Biological Conservation*, 204, pp. 149 – 150  
DOI:10.1016/j.biocon.2016.10.031  
DOCUMENT TYPE: Letter

Patila M., Pavlidis I.V., Kouloumpis A., Dimos K., Spyrou K., Katapodis P., Gournis D.,  
Stamatis H.  
Graphene oxide derivatives with variable alkyl chain length and terminal functional  
groups as supports for stabilization of cytochrome c (2016) *International Journal of*  
*Biological Macromolecules*, 84, pp. 227 – 235 DOI: 10.1016/j.ijbiomac.2015.12.023  
DOCUMENT TYPE: Article

Markopoulos G., Noutsopoulos D., Mantziou S., Gerogiannis D., Thrasyvoulou S.,  
Vartholomatos G., Koletas E., Tzavaras T.  
Genomic analysis of mouse VL30 retrotransposons (2016) *Mobile DNA*, 7 (1), art. no.  
66 DOI: 10.1186/s13100-016-0066-8  
DOCUMENT TYPE: Article

Meziti A., Tsementzi D., Ar. Kormas K., Karayanni H., Konstantinidis K.T.  
Anthropogenic effects on bacterial diversity and function along a river-to-estuary  
gradient in Northwest Greece revealed by metagenomics (2016) *Environmental*  
*Microbiology*, 18 (12), pp. 4640 – 4652 DOI: 10.1111/1462-2920.13303  
DOCUMENT TYPE: Article

Papadopoulou A.A., Tzani A., Alivertis D., Katsoura M.H., Polydera A.C., Detsi A.,  
Stamatis H.  
Hydroxyl ammonium ionic liquids as media for biocatalytic oxidations (2016) *Green*  
*Chemistry*, 18 (4), pp. 1147 – 1158 DOI: 10.1039/c5gc02381e  
DOCUMENT TYPE: Conference paper

Stagakis S., Vanikiotis T., Sykoti O.

Estimating forest species abundance through linear unmixing of CHRIS/PROBA imagery (2016) ISPRS Journal of Photogrammetry and Remote Sensing, 119, pp. 79 – 89 DOI: 10.1016/j.isprsjprs.2016.05.013

DOCUMENT TYPE: Article

Bounas A., Tsiakiris R., Vlachopoulos K., Bukas N., Stara K., Sotiropoulos K.

Large premigratory roost of lesser kestrels (*Falco naumanni*) in Ioannina City, Greece: Trends, roost characteristics, and implications for conservation (2016) Journal of Raptor Research, 50 (4), pp. 416 – 421 DOI: 10.3356/JRR-15-77.1

DOCUMENT TYPE: Article

Veresoglou S.D., Rillig M.C., Fraser L.H., Halley J.M.

The influence of sampled biomass on species-area relationships of grassland plants (2016) The New phytologist, 211 (2), pp. 382 – 385 DOI: 10.1111/nph.14028

DOCUMENT TYPE: Letter

Goulas V., Stylos E., Chatziathanasiadou M.V., Mavromoustakos T., Tzakos A.G.

Functional components of carob fruit: Linking the chemical and biological space (2016) International Journal of Molecular Sciences, 17 (11), art. no. 1875 DOI: 10.3390/ijms17111875

DOCUMENT TYPE: Review

Sgardeli V., Zografou K., Halley J.M.

Climate change versus ecological drift: Assessing 13 years of turnover in a butterfly community (2016) Basic and Applied Ecology, 17 (4), pp. 283 – 290 DOI: 10.1016/j.baae.2015.12.008

DOCUMENT TYPE: Article

Patila M., Kouloumpis A., Gournis D., Rudolf P., Stamatis H.

Laccase-functionalized graphene oxide assemblies as efficient nanobiocatalysts for oxidation reactions (2016) Sensors (Switzerland), 16 (3), art. no. 287 DOI: 10.3390/s16030287

DOCUMENT TYPE: Article

Takis P.G., Oraiopoulou M.-E., Konidaris C., Troganis A.N.

<sup>1</sup>H-NMR based metabolomics study for the detection of the human urine metabolic profile effects of Origanum dictamnus tea ingestion (2016) Food and Function, 7 (9), pp. 4104 – 4115 DOI: 10.1039/c6fo00560h

DOCUMENT TYPE: Article

Stara K., Tsiakiris R., Nitsiakos V., Halley J.M.

Religion and the Management of the Commons. The Sacred Forests of Epirus (2016)

Environmental History (Netherlands), 5, pp. 283 – 302 DOI:

10.1007/978-3-319-26315-1\_15

DOCUMENT TYPE: Book chapter

## 2015

Stara K., Tsiakiris R., Wong J.L.G.

The Trees of the Sacred Natural Sites of Zagori, NW Greece (2015) Landscape

Research, 40 (7), pp. 884 – 904 DOI: 10.1080/01426397.2014.911266

DOCUMENT TYPE: Article

Paraskevopoulou S., Monokroukos N., Kappas I., Abatzopoulos T.J.

Spatio-temporal variability of benthic macrofauna in a coastal lagoon assessed by ecological interaction networks (2015) Community Ecology, 16 (1), pp. 10 – 22 DOI: 10.1556/168.2015.16.1.2

DOCUMENT TYPE: Article

Marangos P., Stevense M., Niaka K., Lagoudaki M., Nabti I., Jessberger R., Carroll J.

DNA damage-induced metaphase i arrest is mediated by the spindle assembly checkpoint and maternal age (2015) Nature Communications, 6, art. no. 8706 DOI: 10.1038/ncomms9706

DOCUMENT TYPE: Article

Tremouli A., Intzes A., Intzes P., Bebelis S., Lyberatos G.

Effect of periodic complete anolyte replacement on the long term performance of a four air cathodes single chamber microbial fuel cell (2015) Journal of Applied Electrochemistry, 45 (7), pp. 755 – 763 DOI: 10.1007/s10800-015-0842-z

DOCUMENT TYPE: Article

Takis P.G., Papavasileiou K.D., Troganis A.N., Melissas V.S.

The chemistry of betaine (2015) Food and Nutritional Components in Focus,

2015-January (7), pp. 47 – 61 DOI: 10.1039/9781782628446-00047

DOCUMENT TYPE: Article

Liasko R., Anastasiadou C., Ntakis A., Leonards I.D.

How a sharp rostral dimorphism affects the life history, population structure and adaptability of a small shrimp: The case study of Hippolyte sapphica (2015) Marine Ecology, 36 (3), pp. 400 – 407 DOI: 10.1111/maec.12149

DOCUMENT TYPE: Article

Stagakis S., Markos N., Vanikiotis T., Tzotsos A., Sykoti O., Kyparissis A.

SCASE: A primary productivity monitoring system for the forests of north pindus national park (epirus, greece) (2015) European Journal of Remote Sensing, 48, art. no. A013, pp. 223 – 243 DOI: 10.5721/EuJRS20154813

DOCUMENT TYPE: Article

Galani V., Alexiou G.A., Miliaras G., Dimitriadis E., Triantafyllou E., Galani A., Goussia A., Kanavaros P., Trangas T.

Expression of stem cell marker nestin and MicroRNA-21 in meningiomas (2015) Turkish Neurosurgery, 25 (4), pp. 574 – 577 DOI: 10.5137/1019-5149.JTN.10800-14.2

DOCUMENT TYPE: Article

Damialis A., Mohammad A.B., Halley J.M., Gange A.C.

Fungi in a changing world: growth rates will be elevated, but spore production may decrease in future climates (2015) International Journal of Biometeorology, 59 (9), pp. 1157 – 1167 DOI: 10.1007/s00484-014-0927-0

DOCUMENT TYPE: Article

Voulgaris S., Papadopoulou A.A., Alevizou E., Stamatis H., Voutsas E.

Measurement and prediction of solvent effect on enzymatic esterification reactions (2015) Fluid Phase Equilibria, 398, pp. 51 – 62 DOI: 10.1016/j.fluid.2015.04.013

DOCUMENT TYPE: Article

Pabijan M., Zieliński P., Dudek K., Chloupek M., Sotiropoulos K., Liana M., Babik W.

The dissection of a Pleistocene refugium: Phylogeography of the smooth newt, Lissotriton vulgaris, in the Balkans (2015) Journal of Biogeography, 42 (4), pp. 671 - 683 DOI: 10.1111/jbi.12449 DOCUMENT TYPE: Article

Exarchos K.P., Kourou K., Exarchos T.P., Papaloukas C., Karamouzis M.V., Fotiadis D.I. Sequence patterns mediating functions of disordered proteins (2015) Advances in Experimental Medicine and Biology, 820, pp. 49 – 59 DOI: 10.1007/978-3-319-09012-2\_3

DOCUMENT TYPE: Article

Velevski M., Nikolov S.C., Hallmann B., Dobrev V., Sidiropoulos L., Saravia V., Tsakiris R., Arkumarev V., Galanaki A., Kominos T., Stara K., Kret E., Grubač B., Lisičanec E., Kastritis T., Vavylis D., Topi M., Hoxha B., Oppel S.

Population decline and range contraction of the Egyptian Vulture Neophron percnopterus in the Balkan Peninsula (2015) Bird Conservation International, 25 (4), pp. 440 - 450

DOI: 10.1017/S0959270914000343

DOCUMENT TYPE: Article

Papaemmanoil C., Tsiafoulis C.G., Alivertis D., Tzamaloukas O., Miltiadou D., Tzakos A.G., Gerohanassis I.P.

Selective One-Dimensional Total Correlation Spectroscopy Nuclear Magnetic Resonance Experiments for a Rapid Identification of Minor Components in the Lipid Fraction of Milk and Dairy Products: Toward Spin Chromatography? (2015) Journal of Agricultural and Food Chemistry, 63 (22), pp. 5381 – 5387 DOI: 10.1021/acs.jafc.5b01335

DOCUMENT TYPE: Article

Papaioannou H., Batistatou A., Mavrogiorgou M.-C., Konidaris C., Frillingos S., Briassoulis E., Vareli K., Sainis I.

High incidence of dorsal dark spots in north-western greek populations of alpine newts Ichthyosaura Alpestris (Salamandridae, Caudata) (2015) Herpetology Notes, 8, pp. 589 - 598

DOCUMENT TYPE: Article

Samalidou M., Bougiouklis D., Vyzantiadis T.-A., Meletiadis J., Monokrousos N., Siotou E., Sivropoulou A., Anagnostopoulos A., Sotiropoulos D.

In vitro and in vivo study on the effect of antifungal agents on hematopoietic cells in mice

(2015) Experimental Biology and Medicine, 240 (12), pp. 1728 – 1734 DOI: 10.1177/1535370215590820

DOCUMENT TYPE: Article

Katsoura M.H., Papadopoulou A.A., Polydera A.C., Stamatis H.  
Effect of ionic liquids on catalytic properties and structure of biocatalysts (2015) Ionic Liquid-Based Surfactant Science: Formulation, Characterization, and Applications, pp. 475 – 501 DOI: 10.1002/9781118854501.ch22  
DOCUMENT TYPE: Book chapter

Van Houtan K.S., Halley J.M., Marks W.  
Terrestrial basking sea turtles are responding to spatio-temporal sea surface temperature patterns (2015) Biology Letters, 11 (1), art. no. 20140744 DOI: 10.1098/rsbl.2014.0744  
DOCUMENT TYPE: Article

Zografou K., Adamidis G.C., Grill A., Kati V., Wilson R.J., Halley J.M.  
Who flies first? - habitat-specific phenological shifts of butterflies and orthopterans in the light of climate change: A case study from the south-east Mediterranean (2015) Ecological Entomology, 40 (5), pp. 562 – 574 DOI: 10.1111/een.12220  
DOCUMENT TYPE: Article

Stara K., Tsiakiris R., Wong J.L.G.  
Valuing trees in a changing cultural landscape: A case study from northwestern Greece (2015) Human Ecology, 43 (1), pp. 153 – 167 DOI: 10.1007/s10745-014-9706-0  
DOCUMENT TYPE: Article

Oppel S., Dobrev V., Arkumarev V., Saravia V., Bounas A., Kret E., Velevski M., Stoychev S., Nikolov S.C.  
High juvenile mortality during migration in a declining population of a long-distance migratory raptor (2015) Ibis, 157 (3), pp. 545 – 557 DOI: 10.1111/ibi.12258  
DOCUMENT TYPE: Article

Geromichalou E., Sayyad N., Kyriakou E., Chatzikonstantinou A.V., Giannopoulou E., Vrbjar N., Kalofonos H.P., Stamatis H., Tzakos A.G.  
Regioselective chemical and rapid enzymatic synthesis of a novel redox-Antiproliferative molecular hybrid (2015) European Journal of Medicinal Chemistry, 96, pp. 47 – 57 DOI: 10.1016/j.ejmech.2015.03.064  
DOCUMENT TYPE: Article

Paraskevopoulos G., Alivertis D., Theodorou V., Skobridis K.

New calix[4]arene-cored peripherally functionalized dendrimers: Synthesis and conformational characteristics (2015) Helvetica Chimica Acta, 98 (5), pp. 593 – 603  
DOI: 10.1002/hlca.201400304  
DOCUMENT TYPE: Article

Meziti A., Kormas K.A., Moustaka-Gouni M., Karayanni H.  
Spatially uniform but temporally variable bacterioplankton in a semi-enclosed coastal area (2015) Systematic and Applied Microbiology, 38 (5), pp. 358 – 367 DOI: 10.1016/j.syapm.2015.04.003  
DOCUMENT TYPE: Article

Veresoglou S.D., Halley J.M., Rillig M.C.  
Extinction risk of soil biota (2015) Nature Communications, 6, art. no. 8862 DOI: 10.1038/ncomms9862  
DOCUMENT TYPE: Review

Kormas K.A., Pachiadaki M.G., Karayanni H., Leadbetter E.R., Bernhard J.M., Edgcomb V.P.  
Inter-comparison of the potentially active prokaryotic communities in the halocline sediments of Mediterranean deep-sea hypersaline basins (2015) Extremophiles, 19 (5), pp. 949 – 960 DOI: 10.1007/s00792-015-0770-1  
DOCUMENT TYPE: Article

Ntakis A., Anastasiadou C., Zakšek V., Fišer C.  
Phylogeny and biogeography of three new species of Niphargus (Crustacea: Amphipoda) from Greece (2015) Zoologischer Anzeiger, 255, pp. 32 – 46 DOI: 10.1016/j.jcz.2015.02.002  
DOCUMENT TYPE: Article

Meristoudis C., Trangas T., Lambrianidou A., Papadopoulos V., Dimitriadis E., Courtis N., Ioannidis P.  
Systematic analysis of the contribution of c-myc mRNA constituents upon cap and IRES mediated translation(2015) Biological Chemistry, 396 (12), pp. 1301 – 1313 DOI: 10.1515/hsz-2015-0190  
DOCUMENT TYPE: Article

Damialis A., Vokou D., Gioulekas D., Halley J.M.

Long-term trends in airborne fungal-spore concentrations: A comparison with pollen  
(2015) Fungal Ecology, 13, pp. 150 – 156 DOI: 10.1016/j.funeco.2014.09.010  
DOCUMENT TYPE: Article

Zakkak S., Halley J.M., Akriotis T., Kati V.  
Lizards along an agricultural land abandonment gradient in Pindos Mountains, Greece  
(2015) Amphibia Reptilia, 36 (3), pp. 253 – 264 DOI: 10.1163/15685381-00003002  
DOCUMENT TYPE: Article

Ntakis A., Liasko R., Oikonomou A., Leonardos I.D.  
Growth pattern of an endemic and endangered West Balkan Peninsula trout species  
(*Salmo lourosensis*, Delling, 2010) (2015) Journal of Applied Ichthyology, 31 (1), pp.  
180 – 183 DOI: 10.1111/jai.12493  
DOCUMENT TYPE: Article

Sapounidis A.S., Leonardos I.D., Koutrakis E.I.  
Life history traits, growth and feeding ecology of a native species (*Barbus strumicae*  
Karaman, 1955) in Nestos River, a flow regulated river in northern Greece (2015)  
North-Western Journal of Zoology, 11 (2), pp. 331 - 341  
DOCUMENT TYPE: Article

Zarkadas I.S., Sofikitis A.S., Voudrias E.A., Pilidis G.A.  
Thermophilic anaerobic digestion of pasteurised food wastes and dairy cattle manure in  
batch and large volume laboratory digesters: Focussing on mixing ratios (2015)  
Renewable Energy, 80, pp. 432 – 440 DOI: 10.1016/j.renene.2015.02.015  
DOCUMENT TYPE: Article

Simos T., Georgopoulou U., Thyphronitis G., Koskinas J., Papaloukas C.  
Analysis of protein interaction networks for the detection of candidate hepatitis B and C  
biomarkers (2015) IEEE Journal of Biomedical and Health Informatics, 19 (1), art. no.  
6868963, pp. 181 – 189 DOI: 10.1109/JBHI.2014.2344732  
DOCUMENT TYPE: Article

Takis P.G., Papavasileiou K.D., Troganis A.N., Melissas V.S.  
Assays of betaines using <sup>1</sup>H NMR spectroscopy (2015) Food and Nutritional  
Components in Focus, 2015-January (7), pp. 105 – 119 DOI:  
10.1039/9781782628446-00105  
DOCUMENT TYPE: Article

Vareli K., Touka A., Theurillat X., Briassoulis E., Pilidis G., Sainis I.  
Microcystins in Two Low Nutrient Lakes in the Epirus Region of North-West Greece  
(2015) Clean - Soil, Air, Water, 43 (9), pp. 1307 – 1315 DOI: 10.1002/clen.201400482  
DOCUMENT TYPE: Article

Leonardos I.D.  
Fisheries ecology of Greece (2015) Freshwater Fisheries Ecology, pp. 292 – 303 DOI:  
10.1002/9781118394380.ch25  
DOCUMENT TYPE: Book chapter

## 2014

Tsoumani M., Georgiadis A., Giantsis I.A., Leonardos I., Apostolidis A.P.  
Phylogenetic relationships among Southern Balkan *Rutilus* species inferred from  
cytochrome b sequence analysis: Micro-geographic resolution and taxonomic  
implications  
(2014) Biochemical Systematics and Ecology, 54, pp. 172 – 178 DOI:  
10.1016/j.bse.2014.02.006  
DOCUMENT TYPE: Article

Kouis P., Mikroulis A., Psarropoulou C.  
A single episode of juvenile status epilepticus reduces the threshold to adult seizures in  
a stimulus-specific way (2014) Epilepsy Research, 108 (9), pp. 1564 – 1571 DOI:  
10.1016/j.epilepsyres.2014.08.001  
DOCUMENT TYPE: Article

Velaeti S., Dimitriadis E., Kontogianni-Katsarou K., Savvani A., Sdrolia E., Pantazi G.,  
Stefanakis S., Trangas T., Pandis N., Petraki K.  
Detection of TMPRSS2-ERG fusion gene in benign prostatic hyperplasia (2014) Tumor  
Biology, 35 (10), pp. 9597 – 9602 DOI: 10.1007/s13277-014-2250-0  
DOCUMENT TYPE: Article

Theodorou V., Skobridis K., Alivertis D., Gerothanassis I.P.  
Synthetic methodologies in organic chemistry involving incorporation of [17O] and [18O]  
isotopes (2014) Journal of Labelled Compounds and Radiopharmaceuticals, 57 (8), pp.  
481 – 508 DOI: 10.1002/jlcr.3212

DOCUMENT TYPE: Review

Vokou D., Dimitrakopoulos P.G., Jones N., Damialis A., Monokrousos N., Pantis J.D., Mazaris A.D.

Ten years of co-management in Greek protected areas: An evaluation (2014)

Biodiversity and Conservation, 23 (11), pp. 2833 – 2855 DOI:

10.1007/s10531-014-0751-1

DOCUMENT TYPE: Article

Anastasiadou C., Gkenas C., Kagalou I., Leonardos I.D. Shrimps of an ancient Balkan lake: Bionomy and conservation (2014) Biologia (Poland), 69 (7), pp. 895 – 904 DOI: 10.2478/s11756-014-0388-2

DOCUMENT TYPE: Article

Panagiotidou E., Konidaris C., Baklavaridis A., Zuburtikudis I., Achilias D., Mitlianga P. A simple route for purifying extracellular poly(3-hydroxybutyrate)-depolymerase from *Penicillium pinophilum* (2014) Enzyme Research, 2014, art. no. 159809 DOI:

10.1155/2014/159809

DOCUMENT TYPE: Article

Kougioumtzi A., Tsaparas P., Magklara A.

Deep sequencing reveals new aspects of progesterone receptor signaling in breast cancer cells (2014) PLoS ONE, 9 (6), art. no. e98404 DOI:

10.1371/journal.pone.0098404

DOCUMENT TYPE: Article

Stamatopoulou V., Toumpeki C., Vourekas A., Bikou M., Tsitlaidou M., Tzakos A.G., Afendra A., Drainas C., Drainas D.

On the role of the appended P19 element in type A RNAs of bacterial RNase P (2014) Biochemistry, 53 (11), pp. 1810 – 1817 DOI: 10.1021/bi4011013

DOCUMENT TYPE: Article

Markogianni V., Tzirkalli E., Gücel S., Dimitriou E., Zogaris S.

Remote sensing application for identifying wetland sites on Cyprus: Problems and prospects (2014) Proceedings of SPIE - The International Society for Optical Engineering, 9229, art. no. 92291U DOI: 10.1117/12.2066144

DOCUMENT TYPE: Conference paper

Leprieur F., Oikonomou A.

The need for richness-independent measures of turnover when delineating biogeographical regions (2014) *Journal of Biogeography*, 41 (2), pp. 417 – 420 DOI: 10.1111/jbi.12266

DOCUMENT TYPE: Letter

Oikonomou A., Leprieur F., Leonardos I.D.

Biogeography of freshwater fishes of the Balkan Peninsula (2014) *Hydrobiologia*, 738 (1), pp. 205 – 220 DOI: 10.1007/s10750-014-1930-5

DOCUMENT TYPE: Article

Stagakis S., Markos N., Sykioti O., Kyparissis A.

Tracking seasonal changes of leaf and canopy light use efficiency in a *Phlomis fruticosa* Mediterranean ecosystem using field measurements and multi-angular satellite hyperspectral imagery (2014) *ISPRS Journal of Photogrammetry and Remote Sensing*, 97, pp. 138 – 151 DOI: 10.1016/j.isprsjprs.2014.08.012

DOCUMENT TYPE: Article

Oikonomou A., Anastasiadou C., Taskoudis T., Leonardos I.D.

Length-weight relations of seven native fish species (*Actinopterygii*) from the Louros river, Greece (2014) *Acta Ichthyologica et Piscatoria*, 44 (2), pp. 163 – 165 DOI: 10.3750/AIP2014.44.2.12

DOCUMENT TYPE: Article

Monokrousos N., Boutsis G., Diamantopoulos J.D.

Development of soil chemical and biological properties in the initial stages of post-mining deposition sites (2014) *Environmental Monitoring and Assessment*, 186 (12), pp. 9065 – 9074 DOI: 10.1007/s10661-014-4066-1

DOCUMENT TYPE: Article

Gkelis S., Papadimitriou T., Zaoutsos N., Leonardos I.

Anthropogenic and climate-induced change favors toxic cyanobacteria blooms: Evidence from monitoring a highly eutrophic, urban Mediterranean lake (2014) *Harmful Algae*, 39, pp. 322 – 333 DOI: 10.1016/j.hal.2014.09.002

DOCUMENT TYPE: Article

Sawidis T., Halley J.M., Llupo S., Bellos D., Veros D., Symeonidis L.

Nickel and iron concentrations in plants from mining area Pogradec, Albania

(2014) Environmental Engineering and Management Journal, 13 (4), pp. 861 – 871 DOI: 10.30638/eemj.2014.090

DOCUMENT TYPE: Article

Pavlidis I.V., Patila M., Polydera A.C., Gournis D., Stamatis H.

Immobilization of Enzymes and other Biomolecules on Graphene (2014)

Functionalization of Graphene, 9783527335510, pp. 139 – 172 DOI:

10.1002/9783527672790.ch5

DOCUMENT TYPE: Book chapter

Labrakakis C., Rudolph U., De Koninck Y.

The heterogeneity in GABA<sub>A</sub> receptor-mediated IPSC kinetics reflects heterogeneity of subunit composition among inhibitory and excitatory interneurons in spinal lamina II

(2014) Frontiers in Cellular Neuroscience, 8 (DEC), art. no. 424 DOI:

10.3389/fncel.2014.00424

DOCUMENT TYPE: Article

Foukis A., Stergiou P.-Y., Filippou M., Koukouritaki M., Parapouli M., Theodorou L.G., Hatziloukas E., Afendra A., Pandey A., Papamichael E.M.

Kinetic constraints and features imposed by the immobilization of enzymes onto solid matrices: A key to advanced biotransformation (2014) Indian Journal of Experimental Biology, 52 (11), pp. 1045 - 1051

DOCUMENT TYPE: Article

Theodosiou E., Purchartová K., Stamatis H., Kolisis F., Křen V.

Bioavailability of silymarin flavonolignans: Drug formulations and biotransformation

(2014) Phytochemistry Reviews, 13 (1), pp. 1 – 18 DOI: 10.1007/s11101-013-9285-5

DOCUMENT TYPE: Review

Igglezou M., Vareli K., Georgiou G.K., Sainis I., Briassoulis E.

Kinetics of circulating levels of miR-195, miR-155 and miR-21 in patients with breast cancer undergoing mastectomy (2014) Anticancer Research, 34 (12), pp. 7443 - 7447

DOCUMENT TYPE: Article

Kormas K.A., Karayanni H., Christaki U., Giannakourou A., Assimakopoulou G.,

Gotsis-Skretas O.

Microbial food web structure and its impact on primary production in a meso-oligotrophic coastal area (pagasitikos gulf, Aegean sea) (2014) Turkish Journal of Fisheries and Aquatic Sciences, 14 (2), pp. 527 – 537 DOI: 10.4194/1303-2712-v14\_2\_24  
DOCUMENT TYPE: Article

Lampros C., Simos T., Exarchos T.P., Exarchos K.P., Papaloukas C., Fotiadis D.I.  
Assessment of optimized Markov models in protein fold classification (2014) Journal of Bioinformatics and Computational Biology, 12 (4), art. no. 1450016 DOI:  
10.1142/S0219720014500164  
DOCUMENT TYPE: Article

Mastrogiani A., Papatheodorou E.M., Monokroukos N., Menkissoglu-Spirooudi U., Stamou G.P.

Reclamation of lignite mine areas with *Triticum aestivum*: The dynamics of soil functions and microbial communities (2014) Applied Soil Ecology, 80, pp. 51 – 59 DOI:  
10.1016/j.apsoil.2014.03.009  
DOCUMENT TYPE: Article

Zografou K., Kati V., Grill A., Wilson R.J., Tzirkalli E., Pamperis L.N., Halley J.M.  
Signals of climate change in butterfly communities in a mediterranean protected area (2014) PLoS ONE, 9 (1), art. no. e87245 DOI: 10.1371/journal.pone.0087245  
DOCUMENT TYPE: Article

Xystrakis F., Kallimanis A.S., Dimopoulos P., Halley J.M., Koutsias N.  
Precipitation dominates fire occurrence in Greece (1900-2010): Its dual role in fuel build-up and dryness (2014) Natural Hazards and Earth System Sciences, 14 (1), pp. 21 – 32 DOI: 10.5194/nhess-14-21-2014  
DOCUMENT TYPE: Article

Zakkak S., Panagiotopoulou M., Halley J.M.  
Estimating the abundance of shearwaters and gulls in the North Aegean sea (2014) Marine Ornithology, 41 (2), pp. 141 - 148  
DOCUMENT TYPE: Article

Monokroukos N., Charalampidis G., Boutsis G., Sousanidou V., Papatheodorou E.M., Argyropoulou M.D.

Plant-induced differentiation of soil variables and nematode community structure in a Mediterranean serpentine ecosystem (2014) Soil Research, 52 (6), pp. 593 – 603 DOI: 10.1071/SR14011

DOCUMENT TYPE: Article

Alexandrakis Z., Katsaros G., Stavros P., Katapodis P., Nounesis G., Taoukis P. Comparative Structural Changes and Inactivation Kinetics of Pectin Methylesterases from Different Orange Cultivars Processed by High Pressure (2014) Food and Bioprocess Technology, 7 (3), pp. 853 – 867 DOI: 10.1007/s11947-013-1087-7

DOCUMENT TYPE: Article

Pavlidis I.V., Patila M., Bornscheuer U.T., Gournis D., Stamatis H. Graphene-based nanobiocatalytic systems: Recent advances and future prospects (2014) Trends in Biotechnology, 32 (6), pp. 312 – 320 DOI: 10.1016/j.tibtech.2014.04.004

DOCUMENT TYPE: Review

Tzoutzos K., Batistatou A., Kitsos G., Liasko R., Stefanou D. Study of microvascular density and expression of vascular endothelial growth factor and its receptors in cancerous and precancerous lesions of the eyelids (2014) Anticancer Research, 34 (9), pp. 4977 - 4983

DOCUMENT TYPE: Article

Zakkak S., Kakalis E., Radović A., Halley J.M., Kati V. The impact of forest encroachment after agricultural land abandonment on passerine bird communities: The case of Greece (2014) Journal for Nature Conservation, 22 (2), pp. 157 – 165 DOI: 10.1016/j.jnc.2013.11.001

DOCUMENT TYPE: Article

Caamaño F., Daouti I., Leonardi I., Torricelli P., Malavasi S. Linking habitat structure to life history strategy: Insights from a Mediterranean killifish (2014) Journal of Sea Research, 85, pp. 205 – 213 DOI: 10.1016/j.seares.2013.05.004

DOCUMENT TYPE: Article

Halley J.M., Sgardeli V., Triantis K.A.

Extinction debt and the species-area relationship: A neutral perspective (2014) Global Ecology and Biogeography, 23 (1), pp. 113 – 123 DOI: 10.1111/geb.12098

DOCUMENT TYPE: Article

Matthews T.J., Steinbauer M.J., Tzirkalli E., Triantis K.A., Whittaker R.J.  
Thresholds and the species-area relationship: A synthetic analysis of habitat island  
datasets (2014) Journal of Biogeography, 41 (5), pp. 1018 – 1028 DOI:  
10.1111/jbi.12286

DOCUMENT TYPE: Article

Nabti I., Marangos P., Bormann J., Kudo N.R., Carroll J.  
Dual-mode regulation of the APC/C by CDK1 and MAPK controls meiosis I progression  
and fidelity (2014) Journal of Cell Biology, 204 (6), pp. 891 – 900 DOI:  
10.1083/jcb.201305049

DOCUMENT TYPE: Article

## 2013

Roukos D.H., Papaloukas C., Tzaphlidou M.  
From targeted monotherapy to combined BRAF-MEK inhibitors and integrated genome  
analysis for melanoma treatment (2013) Future Oncology, 9 (1), pp. 5 – 8  
DOI:10.2217/fon.12.169

DOCUMENT TYPE: Review

Tsoumani M., Apostolidis A.P., Leonardos I.D.  
Biogeography of *Rutilus* species of the southern Balkan Peninsula as inferred by  
multivariate analysis of morphological data (2013) Journal of Zoology, 289 (3), pp. 204 –  
212 DOI: 10.1111/j.1469-7998.2012.00979.x

DOCUMENT TYPE: Article

Exarchou V., Takis P.G., Malouta M., Vervoort J., Karali E., Troganis A.N.  
Four new depsides in *Origanum dictamnus* methanol extract (2013) Phytochemistry  
Letters, 6 (1), pp. 46 – 52 DOI: 10.1016/j.phytol.2012.10.014

DOCUMENT TYPE: Article

Tzaphlidou M., Papaloukas C., Roukos D.H.  
Integrating NGS and third-generation sequencing technologies into clinical genomic  
medicine (2013) Next-Generation Sequencing & Molecular Diagnostics, pp. 7 - 18  
DOI: 10.2217/EBO.12.341

DOCUMENT TYPE: Book chapter

Stergiou P.-Y., Foukis A., Filippou M., Koukouritaki M., Parapouli M., Theodorou L.G., Hatziloukas E., Afendra A., Pandey A., Papamichael E.M.  
Advances in lipase-catalyzed esterification reactions(2013) Biotechnology Advances, 31 (8), pp. 1846 – 1859 DOI: 10.1016/j.biotechadv.2013.08.006  
DOCUMENT TYPE: Review

Tsoumani M., Apostolidis A.P., Leonardos I.D.  
Length-weight relationships of *Rutilus* species from fifteen Greek lakes (2013) Journal of Applied Ichthyology, 29 (1), pp. 297 – 298 DOI: 10.1111/jai.12014  
DOCUMENT TYPE: Article

Katsios C.S., Papaloukas C., Roukos D.H., Baltogiannis G.  
Gene expression 'signature' limitations and genome architecture-based perspectives for robust cancer biomarkers (2013) Biomarkers in Medicine, 7 (1), pp. 79 – 82 DOI: 10.2217/bmm.12.102  
DOCUMENT TYPE: Review

Doulka E., Kehayias G., Chalkia E., Leonardos I.D.  
Feeding strategies of *Atherina boyeri* (Risso 1810) in a freshwater ecosystem (2013) Journal of Applied Ichthyology, 29 (1), pp. 200 – 207 DOI: 10.1111/jai.12012  
DOCUMENT TYPE: Article

Sotiropoulos K., Eleftherakos K., Tsaparis D., Kasapidis P., Giokas S., Legakis A., Kotoulas G.  
Fine scale spatial genetic structure of two syntopic newts across a network of ponds: Implications for conservation (2013) Conservation Genetics, 14 (2), pp. 385 – 400 DOI: 10.1007/s10592-013-0452-4  
DOCUMENT TYPE: Article

Scheifinger H., Belmonte J., Buters J., Celenk S., Damialis A., Dechamp C., García-Mozo H., Gehrig R., Grewling L., Halley J.M., Hogda K.-A., Jäger S., Karatzas K., Karlsen S.-R., Koch E., Pauling A., Peel R., Sikoparija B., Smith M., Galán-Soldevilla C., Thibaudon M., Vokou D., De Weger L.A.  
Monitoring, modelling and forecasting of the pollen season (2013) Allergenic Pollen: A Review of the Production, Release, Distribution and Health Impacts, 9789400748811, pp. 71 – 126 DOI: 10.1007/978-94-007-4881-1\_4  
DOCUMENT TYPE: Book chapter

Halley J.M., Iwasa Y., Vokou D.

Comment on "Extinction debt and windows of conservation opportunity in the Brazilian Amazon" (2013) Science, 339 (6117), pp. 271-c DOI: 10.1126/science.1231438

DOCUMENT TYPE: Note

Markopoulos G., Noutsopoulos D., Mantziou S., Vartholomatos G., Monokrousos N., Angelidis C., Tzavaras T.

Arsenic induces vi30 retrotransposition: The involvement of oxidative stress and heat-shock protein 70 (2013) Toxicological Sciences, 134 (2), pp. 312 – 322 DOI: 10.1093/toxsci/kft118

DOCUMENT TYPE: Article

Dimitriadou E., Noutsopoulos D., Markopoulos G., Vlaikou A.-M., Mantziou S., Traeger-Synodinos J., Kanavakis E., Chrousos G.P., Tzavaras T., Syrrou M.

Abnormal DLK1/MEG3 imprinting correlates with decreased HERV-K methylation after assisted reproduction and preimplantation genetic diagnosis (2013) Stress, 16 (6), pp. 689 – 697 DOI: 10.3109/10253890.2013.817554

DOCUMENT TYPE: Article

Carroll J., Marangos P.

The DNA damage response in mammalian oocytes (2013) Frontiers in Genetics, 4 (JUN), art. no. Article 117 DOI: 10.3389/fgene.2013.00117

DOCUMENT TYPE: Review

Patila M., Pavlidis I.V., Diamanti E.K., Katapodis P., Gournis D., Stamatis H.

Enhancement of cytochrome c catalytic behaviour by affecting the heme environment using functionalized carbon-based nanomaterials (2013) Process Biochemistry, 48 (7), pp. 1010 – 1017 DOI: 10.1016/j.procbio.2013.04.021

DOCUMENT TYPE: Article

Konidaris K.F., Giouli M., Raptopoulou C.P., Pscharis V., Verginadis I.I., Vasiliadis A., Afendras A.S., Karkabounas S., Manessi-Zoupa E., Stamatatos T.C.

Employment of pyridyl oximes and dioximes in zinc(II) chemistry: Synthesis, structural and spectroscopic characterization, and biological evaluation (2013) Inorganica Chimica Acta, 396, pp. 49 – 59 DOI: 10.1016/j.ica.2012.09.039

DOCUMENT TYPE: Article

Nikouli E., Kormas K.A., Berillis P., Karayanni H., Moustaka-Gouni M.

Harmful and parasitic unicellular eukaryotes persist in a shallow lake under reconstruction (L. Karla, Greece) (2013) *Hydrobiologia*, 718 (1), pp. 73 – 83 DOI: 10.1007/s10750-013-1604-8

DOCUMENT TYPE: Article

Taha A.A., Shwaish I.I., Mohammed A.H., Haider A.J., Stamatis H. Production of a laccase from *Botrytis cinerea* (DSMZ 877) and application for textile phenolic dye decolorization (2013) *Energy Procedia*, 36, pp. 862 – 871 DOI: 10.1016/j.egypro.2013.07.099

DOCUMENT TYPE: Conference paper

Kallinteri L.D., Kostoula O.K., Savvaidis I.N. Efficacy of nisin and/or natamycin to improve the shelf-life of Galotyri cheese (2013) *Food Microbiology*, 36 (2), pp. 176 – 181 DOI: 10.1016/j.fm.2013.05.006

DOCUMENT TYPE: Article

Halley J.M., Sgardeli V., Monokroukos N. Species-area relationships and extinction forecasts (2013) *Annals of the New York Academy of Sciences*, 1286 (1), pp. 50 – 61 DOI: 10.1111/nyas.12073

DOCUMENT TYPE: Article

Lazarina M., Sgardeli V., Kallimanis A.S., Sgardelis S.P. An effort-based index of beta diversity (2013) *Methods in Ecology and Evolution*, 4 (3), pp. 217 – 225 DOI: 10.1111/2041-210x.12013

DOCUMENT TYPE: Article

Wielstra B., Crnobrnja-Isailović J., Litvinchuk S.N., Reijnen B.T., Skidmore A.K., Sotiropoulos K., Toxopeus A.G., Tzankov N., Vukov T., Arntzen J.W. Tracing glacial refugia of *Triturus* newts based on mitochondrial DNA phylogeography and species distribution modeling (2013) *Frontiers in Zoology*, 10 (1), art. no. 13 DOI: 10.1186/1742-9994-10-13

DOCUMENT TYPE: Article

Marangos P. Micro-injection of morpholino oligonucleotides for depleting securin in mouse oocytes (2013) *Methods in Molecular Biology*, 957, pp. 153 – 162 DOI: 10.1007/978-1-62703-191-2\_10

DOCUMENT TYPE: Article

Simos T., Papaloukas C., Thyphronitis G., Georgopoulou U.

Novel biomarkers discovery for HBV and HCV monitoring through protein interaction networks analysis (2013) 13th IEEE International Conference on BioInformatics and BioEngineering, IEEE BIBE 2013, art. no. 6701535 DOI: 10.1109/BIBE.2013.6701535  
DOCUMENT TYPE: Conference paper

Papadakos K.S., Sougler I.S., Mentis A.F., Hatziloukas E., Sgouras D.N.

Presence of Terminal EPIYA Phosphorylation Motifs in Helicobacter pylori CagA Contributes to IL-8 Secretion, Irrespective of the Number of Repeats (2013) PLoS ONE, 8 (2), art. no. e56291 DOI: 10.1371/journal.pone.0056291

DOCUMENT TYPE: Article

Dimitriadis E., Kalogeropoulos T., Velaeti S., Sotiriou S., Vassiliou E., Fasoulis L.,

Klapsas V., Synesiou M., Apostolaki A., Trangas T., Pandis N.

Study of genetic and epigenetic alterations in urine samples as diagnostic markers for prostate cancer (2013) Anticancer Research, 33 (1), pp. 191 - 198

DOCUMENT TYPE: Article

Orfanidou T., Papaefthimiou C., Antonopoulou E., Leonardos I., Theophilidis G.

The force of the spontaneously contracting zebrafish heart, in the assessment of cardiovascular toxicity: Application on Adriamycin (2013) Toxicology in Vitro, 27 (5), pp. 1440 – 1444 DOI: 10.1016/j.tiv.2013.03.004

DOCUMENT TYPE: Article

Papadopoulou A.A., Katsoura M.H., Chatzikonstantinou A., Kyriakou E., Polydera A.C., Tzakos A.G., Stamatis H.

Enzymatic hybridization of α-lipoic acid with bioactive compounds in ionic solvents (2013) Bioresource Technology, 136, pp. 41 – 48 DOI: 10.1016/j.biortech.2013.02.067

DOCUMENT TYPE: Article

Papaspyridi L., Sinanoglou V., Strati I., Katapodis P., Christakopoulos P.

Fatty acid profile of Pleurotus ostreatus and Ganoderma australe grown naturally and in a batch bioreactor (2013) Acta Alimentaria, 42 (3), pp. 328 – 337 DOI: 10.1556/AAlim.2012.0006

DOCUMENT TYPE: Article

Vareli K., Jaeger W., Touka A., Frillingos S., Briasoulis E., Sainis I.

Hepatotoxic seafood poisoning (HSP) due to microcystins: A threat from the ocean?  
(2013) Marine Drugs, 11 (8), pp. 2751 – 2768 DOI: 10.3390/md11082751  
DOCUMENT TYPE: Article

Pantazi D., Kitsiouli E., Karkabounas A., Trangas T., Nakos G., Lekka M.E.  
Dipalmitoyl-phosphatidylcholine biosynthesis is induced by non-injurious mechanical  
stretch in a model of alveolar type II cells (2013) Lipids, 48 (8), pp. 827 - 838  
DOI: 10.1007/s11745-013-3800-8  
DOCUMENT TYPE: Article

## 2012

Kyriakou E., Primikyri A., Charisiadis P., Katsoura M., Gerohanassis I.P., Stamatis H.,  
Tzakos A.G.  
Unexpected enzyme-catalyzed regioselective acylation of flavonoid aglycones and rapid  
product screening (2012) Organic and Biomolecular Chemistry, 10 (9), pp. 1739 - 1742  
DOI: 10.1039/c2ob06784f  
DOCUMENT TYPE: Article

Papadimitriou T., Kagalou I., Leonardos I.D.  
Seasonally Accumulation of Microcystins in the Various Tissues of an Endemic and  
Protected Fish Species (*Rutilus panosi*) with Different Sizes (2012) Clean - Soil, Air,  
Water, 40 (4), pp. 402 – 407 DOI: 10.1002/clen.201000242  
DOCUMENT TYPE: Article

Lazaris D., Liasko R., Leonardos I., Evangelou A., Kalfakakou V.  
Toxic effects of europium chloride on developing zebrafish (*Danio rerio*) embryos (2012)  
Journal of Biological Research (Greece), 18, pp. 291 - 296  
DOCUMENT TYPE: Article

Veresoglou S.D., Halley J.M.  
A model that explains diversity patterns of arbuscular mycorrhizas (2012) Ecological  
Modelling, 231, pp. 146 – 152 DOI: 10.1016/j.ecolmodel.2012.01.026  
DOCUMENT TYPE: Article

Mikroulis A.V., Psarropoulou C.

Endogenous ACh effects on NMDA-induced interictal-like discharges along the septotemporal hippocampal axis of adult rats and their modulation by an early life generalized seizure (2012) *Epilepsia*, 53 (5), pp. 879 – 887 DOI:  
10.1111/j.1528-1167.2012.03440.x

DOCUMENT TYPE: Article

Gkenas C., Malavasi S., Leonardos I.

Diet and feeding habits of *Economidichthys pygmaeus* (Perciformes: Gobiidae) in Lake Pamvotis, NW Greece (2012) *Journal of Applied Ichthyology*, 28 (1), pp. 75 – 81 DOI:  
10.1111/j.1439-0426.2011.01912.x

DOCUMENT TYPE: Article

Vokou D., Vareli K., Zarali E., Karamanolis K., Constantinidou H.-I.A., Monokrousos N., Halley J.M., Sainis I.

Exploring Biodiversity in the Bacterial Community of the Mediterranean Phyllosphere and its Relationship with Airborne Bacteria (2012) *Microbial Ecology*, 64 (3), pp. 714 - 724

DOI: 10.1007/s00248-012-0053-7

DOCUMENT TYPE: Article

Oikonomou A., Katsiapi M., Karayanni H., Moustaka-Gouni M., Kormas K.A.

Plankton microorganisms coinciding with two consecutive mass fish kills in a newly reconstructed lake (2012) *The Scientific World Journal*, 2012, art. no. 504135 DOI:  
10.1100/2012/504135

DOCUMENT TYPE: Article

Papadimitriou T., Kagalou I., Stalikas C., Pilidis G., Leonardos I.D.

Assessment of microcystin distribution and biomagnification in tissues of aquatic food web compartments from a shallow lake and evaluation of potential risks to public health (2012) *Ecotoxicology*, 21 (4), pp. 1155 – 1166 DOI: 10.1007/s10646-012-0870-y

DOCUMENT TYPE: Article

Liasko R., Anastasiadou C., Ntakis A., Gkenas C., Leonardos I.D.

Morphological differentiation among native trout populations in North-Western Greece (2012) *Journal of Biological Research*, 17, pp. 33 - 43

DOCUMENT TYPE: Article

Nezis I.P.

Selective autophagy in drosophila (2012) International Journal of Cell Biology, art. no. 146767 DOI: 10.1155/2012/146767

DOCUMENT TYPE: Review

Koutsias N., Arianoutsou M., Kallimanis A.S., Mallinis G., Halley J.M., Dimopoulos P. Where did the fires burn in Peloponnisos, Greece the summer of 2007? Evidence for a synergy of fuel and weather (2012) Agricultural and Forest Meteorology, 156, pp. 41 - 53

DOI: 10.1016/j.agrformet.2011.12.006

DOCUMENT TYPE: Article

Halley J.M., Iwasa Y.

Neutrality without incoherence: A response to Clark (2012) Trends in Ecology and Evolution, 27 (7), pp. 363 DOI: 10.1016/j.tree.2012.04.006

DOCUMENT TYPE: Letter

Liousia V., Batziakas S., Panagiotou N., Daouti I., Koutrakis E., Leonardos I.D. Length-weight relations of 22 fish species from the littoral zone of the eastern Ionian sea, Greece (2012) Acta Ichthyologica et Piscatoria, 42 (1), pp. 69 – 72 DOI: 10.3750/AIP2011.42.1.09

DOCUMENT TYPE: Article

Marangos P., Carroll J.

Oocytes progress beyond prophase in the presence of DNA damage (2012) Current Biology, 22 (11), pp. 989 – 994 DOI: 10.1016/j.cub.2012.03.063

DOCUMENT TYPE: Article

Kati V., Zografou K., Tzirkalli E., Chitos T., Willemse L.

Butterfly and grasshopper diversity patterns in humid Mediterranean grasslands: The roles of disturbance and environmental factors (2012) Journal of Insect Conservation, 16 (6), pp. 807 – 818 DOI: 10.1007/s10841-012-9467-2

DOCUMENT TYPE: Article

Gkenas C., Leonardos I.

Life cycle of a small endemic goby *Economidichthys pygmaeus* (Family: Gobiidae) in Lake Pamvotis, northwestern Greece (2012) Journal of Applied Ichthyology, 28 (4), pp. 565 - 571

DOI: 10.1111/j.1439-0426.2012.01952.x

DOCUMENT TYPE: Article

Pavlidis I.V., Vorhaben T., Gournis D., Papadopoulos G.K., Bornscheuer U.T., Stamatis H.

Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials (2012) Journal of Nanoparticle Research, 14 (5), art. no. 842 DOI: 10.1007/s11051-012-0842-4

DOCUMENT TYPE: Article

Primikyri A., Kyriakou E., Charisiadis P., Tsiafoulis C., Stamatis H., Tzakos A.G., Gerothanassis I.P.

Fine-tuning of the diffusion dimension of -OH groups for high resolution DOSY NMR applications in crude enzymatic transformations and mixtures of organic compounds (2012) Tetrahedron, 68 (34), pp. 6887 – 6891 DOI: 10.1016/j.tet.2012.06.016

DOCUMENT TYPE: Article

Katsios C., Papaloukas C., Tzaphlidou M., Roukos D.H.

Next-generation sequencing-based testing for cancer mutational landscape diversity: Clinical implications? (2012) Expert Review of Molecular Diagnostics, 12 (7), pp. 667 - 670

DOI: 10.1586/erm.12.68

DOCUMENT TYPE: Review

Stagakis S., González-Dugo V., Cid P., Guillén-Climent M.L., Zarco-Tejada P.J.

Monitoring water stress and fruit quality in an orange orchard under regulated deficit irrigation using narrow-band structural and physiological remote sensing indices (2012) ISPRS Journal of Photogrammetry and Remote Sensing, 71, pp. 47 – 61 DOI: 10.1016/j.isprsjprs.2012.05.003

DOCUMENT TYPE: Article

Vareli K., Zarali E., Zacharioudakis G.S.A., Vagenas G., Varelis V., Pilidis G., Briasoulis E., Sainis I.

Microcystin producing cyanobacterial communities in Amvrakikos Gulf (Mediterranean Sea, NW Greece) and toxin accumulation in mussels (*Mytilus galloprovincialis*) (2012) Harmful Algae, 15, pp. 109 – 118 DOI: 10.1016/j.hal.2011.12.005

DOCUMENT TYPE: Article

Pavlidis I.V., Vorhaben T., Tsoufis T., Rudolf P., Bornscheuer U.T., Gournis D., Stamatis H.

Development of effective nanobiocatalytic systems through the immobilization of hydrolases on functionalized carbon-based nanomaterials (2012) Bioresource Technology, 115, pp. 164 – 171 DOI: 10.1016/j.biortech.2011.11.007

DOCUMENT TYPE: Article

Papadimitriou T., Armeni E., Stalikas C.D., Kagalou I., Leonardos I.D.

Detection of microcystins in Pamvotis lake water and assessment of cyanobacterial bloom toxicity (2012) Environmental Monitoring and Assessment, 184 (5), pp. 3043 – 3052 DOI: 10.1007/s10661-011-2169-5

DOCUMENT TYPE: Article

Devetzi M., Trangas T., Scorilas A., Xynopoulos D., Talieri M.

Parallel overexpression and clinical significance of kallikrein-related peptidases 7 and 14 (KLK7 & KLK14) in colon cancer (2012) Thrombosis and Haemostasis, 109 (4), pp. 716 – 725 DOI: 10.1160/TH12-07-0518

DOCUMENT TYPE: Article

Gkenas C., Oikonomou A., Economou A., Kiosse F., Leonardos I.

Life history pattern and feeding habits of the invasive mosquitofish, Gambusia holbrooki, in Lake Pamvotis (NW Greece) (2012) Journal of Biological Research, 17, pp. 121 - 136

DOCUMENT TYPE: Article

Roukos D.H., Ziogas D.E., Papaloukas C., Baltogiannis G.

Novel Wnt signaling and other pathway inhibitors in the colorectal cancer genomic landscape era (2012) Future Oncology, 8 (11), pp. 1373 – 1376 DOI: 10.2217/fon.12.140

DOCUMENT TYPE: Review

Konisti S., Mantziou S., Markopoulos G., Thrasyvoulou S., Vartholomatos G., Sainis I., Kolettas E., Noutsopoulos D., Tzavaras T.

H<sub>2</sub>O<sub>2</sub> signals via iron induction of VL30 retrotransposition correlated with cytotoxicity (2012) Free Radical Biology and Medicine, 52 (10), pp. 2072 – 2081 DOI: 10.1016/j.freeradbiomed.2012.03.021

DOCUMENT TYPE: Article

Talieri M., Devetzi M., Schmitt M.

Clinical relevance of kallikrein-related peptidases in gastric and colorectal Cancer  
(2012) Novel cancer-related biomarkers, pp. 27 - 44

DOCUMENT TYPE: Book chapter

Boubali S., Liopeta K., Virgilio L., Thyphronitis G., Mavrothalassitis G., Dimitracopoulos G., Paliogianni F.

Calcium/calmodulin-dependent protein kinase II regulates IL-10 production by human T lymphocytes: A distinct target in the calcium dependent pathway (2012) Molecular Immunology, 52 (2), pp. 51 – 60 DOI: 10.1016/j.molimm.2012.04.008

DOCUMENT TYPE: Article

## 2011

Theodosiou E., Loutrari H., Stamatis H., Roussos C., Kolisis F.N.

Biocatalytic synthesis and antitumor activities of novel silybin acylated derivatives with dicarboxylic acids (2011) New Biotechnology, 28 (4), pp. 342 – 348 DOI: 10.1016/j.nbt.2011.01.006

DOCUMENT TYPE: Article

Papaspyridi L.-M., Katapodis P., Gonou-Zagou Z., Kapsanaki-Gotsi E., Christakopoulos P.

Growth and biomass production with enhanced β-glucan and dietary fibre contents of Ganoderma australe ATHUM 4345 in a batch-stirred tank bioreactor (2011) Engineering in Life Sciences, 11 (1), pp. 65 – 74 DOI: 10.1002/elsc.201000102

DOCUMENT TYPE: Article

Laimou D., Lazoura E., Troganis A.N., Matsoukas M.-T., Deraos S.N., Katsara M., Matsoukas J., Apostolopoulos V., Tselios T.V.

Conformational studies of immunodominant myelin basic protein 1-11 analogues using NMR and molecular modeling (2011) Journal of Computer-Aided Molecular Design, 25 (11), pp. 1019 – 1032 DOI: 10.1007/s10822-011-9481-6

DOCUMENT TYPE: Article

Liasko R., Koulish A., Pogrebniak A., Papiggioti O., Taranenko L., Leonardos I.

Influence of environmental parameters on growth pattern and population structure of Carassius auratus gibelio in Eastern Ukraine (2011) Hydrobiologia, 658 (1), pp. 317 – 328 DOI: 10.1007/s10750-010-0502-6

DOCUMENT TYPE: Article

van Houtan K.S., Halley J.M.

Long-term climate forcing in loggerhead sea turtle nesting (2011) PLoS ONE, 6 (4), art. no. e19043 DOI: 10.1371/journal.pone.0019043

DOCUMENT TYPE: Article

Serti E., Doumba P.P., Thyphronitis G., Tsitoura P., Katsarou K., Foka P.,

Konstandoulakis M.M., Koskinas J., Mavromara P., Georgopoulou U.

Modulation of IL-2 expression after uptake of hepatitis C virus non-enveloped capsid-like particles: The role of p38 kinase (2011) Cellular and Molecular Life Sciences, 68 (3), pp. 505 – 522 DOI: 10.1007/s00018-010-0466-8

DOCUMENT TYPE: Article

Letsiou E., Kitsiouli E., Nakos G., Lekka M.E.

Mild stretch activates cPLA2 in alveolar type II epithelial cells independently through the MEK/ERK and PI3K pathways (2011) Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids, 1811 (6), pp. 370 – 376 DOI: 10.1016/j.bbalip.2010.12.007

DOCUMENT TYPE: Article

Sykioti O., Paronis D., Stagakis S., Kyparissis A.

Band depth analysis of CHRIS/PROBA data for the study of a Mediterranean natural ecosystem. Correlations with leaf optical properties and ecophysiological parameters (2011) Remote Sensing of Environment, 115 (2), pp. 752 – 766 DOI: 10.1016/j.rse.2010.11.003

DOCUMENT TYPE: Article

Sapounidis A., Koutrakis E.T., Leonardos I.D.

Length-weight relationships of 13 species from a flow regulated Balkan river (2011) Journal of Applied Ichthyology, 27 (6), pp. 1406 – 1407 DOI: 10.1111/j.1439-0426.2011.01788.x

DOCUMENT TYPE: Note

Katsori A.-M., Chatzopoulou M., Dimas K., Kontogiorgis C., Patsilinakos A., Trangas T., Hadjipavlou-Litina D.

Curcumin analogues as possible anti-proliferative & anti-inflammatory agents (2011) European Journal of Medicinal Chemistry, 46 (7), pp. 2722 – 2735 DOI: 10.1016/j.ejmech.2011.03.060

DOCUMENT TYPE: Article

Karkabounas A., Kitsiouli E.I., Nakos G., Lekka M.E.  
HPLC-fluorimetric assay of phospholipase A 2. Application to biological samples with  
high protein content and various reaction conditions (2011) Journal of Chromatography  
B: Analytical Technologies in the Biomedical and Life Sciences, 879 (19), pp. 1557 -  
1564

DOI: 10.1016/j.jchromb.2011.03.047

DOCUMENT TYPE: Article

Labrakakis C., Ferrini F., De Koninck Y.  
Mechanisms of plasticity of inhibition in chronic pain conditions (2011) Inhibitory  
Synaptic Plasticity, pp. 91 – 105 DOI: 10.1007/978-1-4419-6978-1\_7

DOCUMENT TYPE: Book chapter

Kalimeris K., Christodoulaki K., Karakitsos P., Batistatou A., Lekka M., Bai M., Kitsiouli  
E., Nakos G., Kostopanagiotou G.3  
Influence of propofol and volatile anaesthetics on the inflammatory response in the  
ventilated lung (2011) Acta Anaesthesiologica Scandinavica, 55 (6), pp. 740 - 748  
DOI: 10.1111/j.1399-6576.2011.02461.x

DOCUMENT TYPE: Article

Halley J.M., Kugiumtzis D.  
Nonparametric testing of variability and trend in some climatic records  
(2011) Climatic Change, 109 (3-4), pp. 549 – 568 DOI: 10.1007/s10584-011-0053-5

DOCUMENT TYPE: Article

Anastasiadou C., Ntakis A., Leonardos I.D.  
Larval development of the freshwater shrimp *Atyaephyra desmarestii* (Millet, 1831)  
sensu lato (Decapoda: Caridea: Atyidae) and morphological maturation from juveniles  
to adults (2011) Zootaxa, (2877), pp. 41 – 54 DOI: 10.11646/zootaxa.2877.1.2

DOCUMENT TYPE: Article

Rampin M., Gkenas C., Malavasi S., Libertini A.  
A cytogenetical study on *Economidichthys pygmaeus* Holly, 1929 (Pisces, Gobiidae), an  
endemic freshwater goby from Western Greece (2011) Comparative Cytogenetics, 5 (5),  
pp. 391 – 396 DOI: 10.3897/compcytogen.v5i5.2015

DOCUMENT TYPE: Article

Zare P., Naderi M., Eshghi H., Anastasiadou C.

Reproductive traits of the freshwater shrimp *Caridina fossarum* Heller, 1862 (Decapoda, Caridea, Atyidae) in the Ghomp-Atashkedeh spring (Iran) (2011) *Limnologica*, 41 (3), pp. 244 – 248 DOI: 10.1016/j.limno.2010.11.003

DOCUMENT TYPE: Article

Tsiafoulis C.G., Exarchou V., Tziova P.P., Bairaktari E., Gerothanassis I.P., Troganis A.N.

A new method for the determination of free L-carnitine in serum samples based on high field single quantum coherence filtering <sup>1</sup>H-NMR spectroscopy (2011) *Analytical and Bioanalytical Chemistry*, 399 (6), pp. 2285 – 2294 DOI: 10.1007/s00216-010-4600-0

DOCUMENT TYPE: Article

Kassomenos P.A., Pilidis G.A., Papaloukas C.L., Karakitsios S.P.

Parameters controlling ambient air benzene concentrations and human exposure in a medium sized Southeastern European city (2011) *Air Quality in the 21st Century*, pp. 1 - 65

DOCUMENT TYPE: Book chapter

Halley J.M., Iwasa Y.

Neutral theory as a predictor of avifaunal extinctions after habitat loss (2011)

*Proceedings of the National Academy of Sciences of the United States of America*, 108 (6), pp. 2316 – 2321 DOI: 10.1073/pnas.1011217108

DOCUMENT TYPE: Article

Markos N., Kyparissis A.

Ecophysiological modelling of leaf level photosynthetic performance for three Mediterranean species with different growth forms (2011) *Functional Plant Biology*, 38 (4), pp. 314 – 326 DOI: 10.1071/FP10155

DOCUMENT TYPE: Article

Zarkadas I.S., Pilidis G.A.

Anaerobic Co-Digestion of table olive debittering & washing Effluent, cattle manure and pig manure in batch and high volume laboratory anaerobic digesters: Effect of temperature (2011) *Bioresource Technology*, 102 (8), pp. 4995 – 5003 DOI: 10.1016/j.biortech.2011.01.065

DOCUMENT TYPE: Article

Leonardos I.D., Tsikliras A.C.

Validating annulus formation and examining the potential use of pectoral spines for age determination in Aristotle's catfish (*Silurus aristotelis*) (2011) Journal of Applied Ichthyology, 27 (1), pp. 53 – 56 DOI: 10.1111/j.1439-0426.2010.01568.x

DOCUMENT TYPE: Article

Xiros C., Katapodis P., Christakopoulos P.

Factors affecting cellulose and hemicellulose hydrolysis of alkali treated brewers spent grain by *Fusarium oxysporum* enzyme extract (2011) Bioresource Technology, 102 (2), pp. 1688 – 1696 DOI: 10.1016/j.biortech.2010.09.108

DOCUMENT TYPE: Article

## 2010

Rapti A., Trangas T., Samiotaki M., Ioannidis P., Dimitriadis E., Meristoudis C., Veletza S., Courtis N.

The structure of the 5'-untranslated region of mammalian poly(A) polymerase- $\alpha$  mRNA suggests a mechanism of translational regulation (2010) Molecular and Cellular Biochemistry, 340 (1-2), pp. 91 – 96 DOI: 10.1007/s11010-010-0405-x

DOCUMENT TYPE: Article

Papaspyridi L.-M., Katapodis P., Gonou-Zagou Z., Kapsanaki-Gotsi E., Christakopoulos P.

Optimization of biomass production with enhanced glucan and dietary fibres content by *Pleurotus ostreatus* ATHUM 4438 under submerged culture (2010) Biochemical Engineering Journal, 50 (3), pp. 131 – 138 DOI: 10.1016/j.bej.2010.04.008

DOCUMENT TYPE: Article

Pavlidis I.V., Tzialla A.A., Enotiadis A., Stamatis H., Gournis D.

Enzyme Immobilization on Layered and Nanostructured Materials (2010) Biocatalysis in Polymer Chemistry, pp. 35 – 63 DOI: 10.1002/9783527632534.ch2

DOCUMENT TYPE: Book chapter

Papadimitriou T., Kagalou I., Bacopoulos V., Leonardos I.D.

Accumulation of microcystins in water and fish tissues: An estimation of risks associated with microcystins in most of the Greek Lakes (2010) Environmental Toxicology, 25 (4), pp. 418 – 427 DOI: 10.1002/tox.20513

DOCUMENT TYPE: Article

Ntakis A., Anastasiadou C., Liasko R., Leonardos I.D.

Larval development of the shrimp Hippolyte sapphica d'Udekem d'Acoz, 1993 forma A and B (Decapoda: Caridea: Hippolytidae) reared in the laboratory, confirmation of the conspecific status of the two forms (2010) Zootaxa, (2579), pp. 45 – 58 DOI:

10.11646/zootaxa.2579.1.3

DOCUMENT TYPE: Article

Liasko R., Liousia V., Vrazeli P., Papiggioti O., Chortatou R., Abatzopoulos T.J., Leonardos I.D.

Biological traits of rare males in the population of Carassius gibelio (Actinopterygii: Cyprinidae) from Lake Pamvotis (north-west Greece) (2010) Journal of Fish Biology, 77 (3), pp. 570 – 584 DOI: 10.1111/j.1095-8649.2010.02699.x

DOCUMENT TYPE: Article

Pavlidis I.V., Tzafestas K., Stamatis H.

Water-in-ionic liquid microemulsion-based organogels as novel matrices for enzyme immobilization (2010) Biotechnology Journal, 5 (8), pp. 805 – 812 DOI: 10.1002/biot.201000052

DOCUMENT TYPE: Article

Kagalou I.I., Kosiori A., Leonardos I.D.

Assessing the zooplankton community and environmental factors in a Mediterranean wetland (2010) Environmental Monitoring and Assessment, 170 (1-4), pp. 445 - 455 DOI: 10.1007/s10661-009-1245-6

DOCUMENT TYPE: Article

Chira P., Vareli K., Sainis I., Papandreou C., Briassoulis E.

Alterations of microRNAs in solid cancers and their prognostic value (2010) Cancers, 2 (2), pp. 1328 – 1353 DOI: 10.3390/cancers2021328

DOCUMENT TYPE: Review

Parapouli M., Fragkos-Livanios L., Samiotaki M., Koukkou A.-I., Perisynakis A., Hatziloukas E., Panayotou G., Drainas C.

Comparative proteomic analysis of alcoholic fermentation employing a new environmental strain of *Saccharomyces cerevisiae* (2010) *Process Biochemistry*, 45 (7), pp. 1094 - 1102

DOI: 10.1016/j.procbio.2010.03.028

DOCUMENT TYPE: Article

Xanthakis E., Theodosiou E., Magkouta S., Stamatis H., Loutrari H., Roussos C., Kolisis F.

Enzymatic transformation of flavonoids and terpenoids: Structural and functional diversity of the novel derivatives (2010) *Pure and Applied Chemistry*, 82 (1), pp. 1 – 16

DOI: 10.1351/PAC-CON-09-01-19

DOCUMENT TYPE: Conference paper

Karakitsios S.P., Kassomenos P.A., Sarigiannis D.A., Pilidis G.A.

Exposure modeling of benzene exploiting passive-active sampling data (2010)

*Environmental Modeling and Assessment*, 15 (4), pp. 283 – 294 DOI:

10.1007/s10666-009-9206-6

DOCUMENT TYPE: Article

Stagakis S., Markos N., Sykioti O., Kyparissis A.

Monitoring canopy biophysical and biochemical parameters in ecosystem scale using satellite hyperspectral imagery: An application on a *Phlomis fruticosa* Mediterranean ecosystem using multiangular CHRIS/PROBA observations (2010) *Remote Sensing of Environment*, 114 (5), pp. 977 – 994 DOI: 10.1016/j.rse.2009.12.006

DOCUMENT TYPE: Article

Sainis I., Fokas D., Vareli K., Tzakos A.G., Kounnis V., Briassoulis E.

Cyanobacterial cyclopeptides as lead compounds to novel targeted cancer drugs (2010)

*Marine Drugs*, 8 (3), pp. 629 – 657 DOI: 10.3390/md8030629

DOCUMENT TYPE: Review

Gkenas C., Malavasi S., Georgalas V., Leonardos I.D., Torricelli P.

The reproductive behavior of *economidichthys pygmaeus*: Secondary loss of sound production within the sand goby group? (2010) *Environmental Biology of Fishes*, 87 (4), pp. 299 – 307 DOI: 10.1007/s10641-010-9597-x

DOCUMENT TYPE: Article

Papastergiadou E., Kagalou I., Stefanidis K., Retalis A., Leonardos I.

Effects of anthropogenic influences on the trophic state, land uses and aquatic vegetation in a shallow Mediterranean lake: Implications for restoration (2010) Water Resources Management, 24 (3), pp. 415 – 435 DOI: 10.1007/s11269-009-9453-y  
DOCUMENT TYPE: Article

Kassomenos P., Vardoulakis S., Borge R., Lumbrieras J., Papaloukas C., Karakitsios S. Comparison of statistical clustering techniques for the classification of modelled atmospheric trajectories (2010) Theoretical and Applied Climatology, 102 (1), pp. 1 - 12 DOI: 10.1007/s00704-009-0233-7  
DOCUMENT TYPE: Article

Kati V., Poirazidis K., Dufrêne M., Halley J.M., Korakis G., Schindler S., Dimopoulos P. Towards the use of ecological heterogeneity to design reserve networks: A case study from Dadia National Park, Greece (2010) Biodiversity and Conservation, 19 (6), pp. 1585 - 1597  
DOI: 10.1007/s10531-010-9788-y  
DOCUMENT TYPE: Article

Parapouli M., Hatziloukas E., Drainas C., Perisynakis A.  
The effect of Debina grapevine indigenous yeast strains of Metschnikowia and Saccharomyces on wine flavour (2010) Journal of Industrial Microbiology and Biotechnology, 37 (1), pp. 85 – 93 DOI: 10.1007/s10295-009-0651-7  
DOCUMENT TYPE: Article

Karvounis E.C., Tsiopoulos M.G., Papaloukas C., Tsalikakis D.G., Naka K.K., Fotiadis D.I.  
A non-invasive methodology for fetal monitoring during pregnancy (2010) Methods of Information in Medicine, 49 (3), pp. 238 – 253 DOI: 10.3414/ME09-01-0041  
DOCUMENT TYPE: Article

Zoumpanioti M., Merianou E., Karandreas T., Stamatis H., Xenakis A.  
Esterification of phenolic acids catalyzed by lipases immobilized in organogels (2010) Biotechnology Letters, 32 (10), pp. 1457 – 1462 DOI: 10.1007/s10529-010-0305-x  
DOCUMENT TYPE: Article

Anastasiadou C., Leonards I.D.

Karyological analysis of the freshwater shrimp Atyaephyra desmarestii (Decapoda: Caridea: Atyidae) (2010) Journal of Crustacean Biology, 30 (2), pp. 332 – 335 DOI: 10.1651/09-3163.1

DOCUMENT TYPE: Article

Zoumpanioti M., Stamatis H., Xenakis A.

Microemulsion-based organogels as matrices for lipase immobilization (2010) Biotechnology Advances, 28 (3), pp. 395 – 406 DOI: 10.1016/j.biotechadv.2010.02.004

DOCUMENT TYPE: Review

Panteli E., Saratsioti P., Stamatis H., Voutsas E.

Solubilities of cinnamic acid esters in organic solvents (2010) Journal of Chemical and Engineering Data, 55 (2), pp. 745 – 749 DOI: 10.1021/je9004382

DOCUMENT TYPE: Conference paper

Tzialla A.A., Pavlidis I.V., Felicissimo M.P., Rudolf P., Gournis D., Stamatis H.

Lipase immobilization on smectite nanoclays: Characterization and application to the epoxidation of  $\alpha$ -pinene (2010) Bioresource Technology, 101 (6), pp. 1587 – 1594 DOI: 10.1016/j.biortech.2009.10.023

DOCUMENT TYPE: Article

Pavlidis I.V., Tsoufis T., Enotiadis A., Gournis D., Stamatis H.

Functionalized multi-wall carbon nanotubes for lipase immobilization (2010) Advanced Engineering Materials, 12 (5), pp. B179-B183 DOI: 10.1002/adem.200980021

DOCUMENT TYPE: Article

## 2009

Exarchos T.P., Tsipouras M.G., Papaloukas C., Fotiadis D.I.

An optimized sequential pattern matching methodology for sequence classification (2009) Knowledge and Information Systems, 19 (2), pp. 249 – 264 DOI: 10.1007/s10115-008-0146-2

DOCUMENT TYPE: Conference paper

Karabika E., Kallimanis A., Dados A., Pilidis G., Drainas C., Koukkou A.I.

Taxonomic identification and use of free and entrapped cells of a new mycobacterium sp., strain spyrl for degradation of polycyclic aromatic hydrocarbons (PAHs) (2009)

Applied Biochemistry and Biotechnology, 159 (1), pp. 155 – 167 DOI:

10.1007/s12010-008-8463-1

DOCUMENT TYPE: Article

Iovi K., Kolovou C., Kyparissis A.

An ecophysiological approach of hydraulic performance for nine Mediterranean species  
(2009) Tree Physiology, 29 (7), pp. 889 – 900 DOI: 10.1093/treephys/tpp032

DOCUMENT TYPE: Article

Kassomenos P., Karakitsios S., Pilidis G.

Daily variation of traffic emissions in Athens, Greece (2009) International Journal of Environment and Pollution, 36 (1-3), pp. 324 – 335 DOI: 10.1504/ijep.2009.021835

DOCUMENT TYPE: Article

Xanthakis E., Magkouta S., Loutrari H., Stamatis H., Roussos C., Kolisis F.N.

Enzymatic synthesis of perillyl alcohol derivatives and investigation of their antiproliferative activity (2009) Biocatalysis and Biotransformation, 27 (3), pp. 170 – 178  
DOI: 10.1080/10242420902811089

DOCUMENT TYPE: Article

Kagalou I., Leonardos I.

Typology, classification and management issues of Greek lakes: Implication of the Water Framework Directive (2000/60/EC) (2009) Environmental Monitoring and Assessment, 150 (1-4), pp. 469 – 484 DOI: 10.1007/s10661-008-0245-2

DOCUMENT TYPE: Conference paper

Katsoura M.H., Theodosiou E., Stamatis H., Kolisis F.N.

Strategies for the Biocatalytic Lipophilization of Phenolic Antioxidants (2009) Modern Biocatalysis: Stereoselective and Environmentally Friendly Reactions, pp. 123 - 133  
DOI: 10.1002/9783527623839.ch9

DOCUMENT TYPE: Book chapter

Lampros C., Papaloukas C., Exarchos K., Fotiadis D.I., Tsalikakis D.

Improving the protein fold recognition accuracy of a reduced state-space hidden Markov model (2009) Computers in Biology and Medicine, 39 (10), pp. 907 – 914 DOI:  
10.1016/j.combiomed.2009.07.007

DOCUMENT TYPE: Article

Kitsiouli E., Nakos G., Lekka M.E.

Phospholipase A2 subclasses in acute respiratory distress syndrome (2009) Biochimica et Biophysica Acta - Molecular Basis of Disease, 1792 (10), pp. 941 – 953 DOI: 10.1016/j.bbadi.2009.06.007

DOCUMENT TYPE: Review

Tzialla A.A., Taha A.A., Kalogeris E., Stamatis H.

Improving the catalytic performance of fungal laccases in monoterpane-based reaction systems (2009) Biotechnology Letters, 31 (9), pp. 1451 – 1456 DOI: 10.1007/s10529-009-0014-5

DOCUMENT TYPE: Article

Vareli K., Pilidis G., Mavrogiorgou M.-C., Briassoulis E., Sainis I.

Molecular characterization of cyanobacterial diversity and yearly fluctuations of Microcystin loads in a suburban Mediterranean Lake (Lake Pamvotis, Greece) (2009) Journal of Environmental Monitoring, 11 (8), pp. 1506 – 1512 DOI: 10.1039/b903093j  
DOCUMENT TYPE: Article

Pilidis G.A., Karakitsios S.P., Kassomenos P.A., Kazos E.A., Stalikas C.D.

Measurements of benzene and formaldehyde in a medium sized urban environment. Indoor/outdoor health risk implications on special population groups (2009) Environmental Monitoring and Assessment, 150 (1-4), pp. 285 – 294 DOI: 10.1007/s10661-008-0230-9

DOCUMENT TYPE: Conference paper

Pavlidis I.V., Gournis D., Papadopoulos G.K., Stamatis H.

Lipases in water-in-ionic liquid microemulsions: Structural and activity studies (2009) Journal of Molecular Catalysis B: Enzymatic, 60 (1-2), pp. 50 - 56 DOI: 10.1016/j.molcatb.2009.03.007

DOCUMENT TYPE: Article

Kontogianni V.G., Exarchou V., Troganis A., Gerothanassis I.P.

Rapid and novel discrimination and quantification of oleanolic and ursolic acids in complex plant extracts using two-dimensional nuclear magnetic resonance spectroscopy-Comparison with HPLC methods (2009) Analytica Chimica Acta, 635 (2), pp. 188 – 195 DOI: 10.1016/j.aca.2009.01.021

DOCUMENT TYPE: Article

Anastasiadou C., Liasko R., Leonardos I.D.

Biometric analysis of lacustrine and riverine populations of *Palemonetes antennarius* (H. Milne-Edwards, 1837) (Crustacea, Decapoda, Palaemonidae) from north-western Greece (2009) *Limnologica*, 39 (3), pp. 244 – 254 DOI: 10.1016/j.limno.2008.07.006  
DOCUMENT TYPE: Article

Katsoura M.H., Polydera A.C., Tsironis L.D., Petraki M.P., Rajačić S.K., Tselepis A.D., Stamatis H.

Efficient enzymatic preparation of hydroxycinnamates in ionic liquids enhances their antioxidant effect on lipoproteins oxidative modification (2009) *New Biotechnology*, 26 (1-2), pp. 83 – 91 DOI: 10.1016/j.nbt.2009.02.004

DOCUMENT TYPE: Article

Exarchos K.P., Papaloukas C., Exarchos T.P., Troganis A.N., Fotiadis D.I.

Prediction of cis/trans isomerization using feature selection and support vector machines (2009) *Journal of Biomedical Informatics*, 42 (1), pp. 140 – 149 DOI: 10.1016/j.jbi.2008.05.006

DOCUMENT TYPE: Article

Leonardos I.D., Tsikliras A.C., Batzakas I., Ntakis A., Liousia V.

Life-history characteristics of the endangered Aristotle's catfish (*Silurus aristotelis* Garman, 1890), Lake Pamvotis, north-western Greece (2009) *Journal of Applied Ichthyology*, 25 (6), pp. 746 – 751 DOI: 10.1111/j.1439-0426.2009.01311.x

DOCUMENT TYPE: Review

Theodosiou E., Katsoura M.M., Loutrari H., Purchartová K., Křen V., Kolisis F.N., Stamatis H.

Enzymatic preparation of acylated derivatives of silybin in organic and ionic liquid media and evaluation of their antitumor proliferative activity (2009) *Biocatalysis and Biotransformation*, 27 (3), pp. 161 – 169 DOI: 10.1080/10242420902937777  
DOCUMENT TYPE: Article

Dimitriadis E., Rontogianni D., Kyriazoglou A., Takou A., Frangia K., Pandis N., Trangas T.

Novel SYT-SSX fusion transcript variants in synovial sarcoma (2009) *Cancer Genetics and Cytogenetics*, 195 (1), pp. 54 – 58 DOI: 10.1016/j.cancergencyto.2009.06.012

DOCUMENT TYPE: Article

Mamma D., Hatzinikolaou D., Kekos D., Stamatis H., Kalogeris E.  
Adsorption of major endoglucanase from Thermoascus aurantiacus on cellulosic  
substrates (2009) World Journal of Microbiology and Biotechnology, 25 (5), pp. 781 -  
788  
DOI: 10.1007/s11274-008-9949-2  
DOCUMENT TYPE: Article

Vareli K., Briassoulis E., Pilidis G., Sainis I.  
Molecular confirmation of Planktothrix rubescens as the cause of intense,  
microcystin-Synthesizing cyanobacterial bloom in Lake Ziros, Greece (2009) Harmful  
Algae, 8 (3), pp. 447 – 453 DOI: 10.1016/j.hal.2008.09.005  
DOCUMENT TYPE: Article

Tzialla A.A., Kalogeris E., Enotiadis A., Taha A.A., Gournis D., Stamatis H.  
Effective immobilization of Candida antarctica lipase B in organic-modified clays:  
Application for the epoxidation of terpenes (2009) Materials Science and Engineering:  
B, 165 (3), pp. 173 – 177 DOI: 10.1016/j.mseb.2009.09.003  
DOCUMENT TYPE: Article

Sarigiannis D.A., Karakitsios S.P., Gotti A., Papaloukas C.L., Kassomenos P.A., Pilidis  
G.A.  
Bayesian algorithm implementation in a real time exposure assessment model on  
benzene with calculation of associated cancer risks (2009) Sensors, 9 (2), pp. 731 –  
755 DOI: 10.3390/s90200731  
DOCUMENT TYPE: Article

Goulas V., Exarchou V., Troganis A.N., Psomiadou E., Fotsis T., Briassoulis E.,  
Gerothanassis I.P.  
Phytochemicals in olive-leaf extracts and their antiproliferative activity against cancer  
and endothelial cells (2009) Molecular Nutrition and Food Research, 53 (5), pp. 600 –  
608 DOI: 10.1002/mnfr.200800204  
DOCUMENT TYPE: Article

Exarchos K.P., Exarchos T.P., Papaloukas C., Troganis A.N., Fotiadis D.I.  
Detection of discriminative sequence patterns in the neighborhood of proline cis peptide  
bonds and their functional annotation (2009) BMC Bioinformatics, 10, art. no. 113 DOI:  
10.1186/1471-2105-10-113

DOCUMENT TYPE: Article

Halley J.M.

Using models with long-term persistence to interpret the rapid increase of Earth's temperature (2009) Physica A: Statistical Mechanics and its Applications, 388 (12), pp. 2492 – 2502 DOI: 10.1016/j.physa.2009.02.027

DOCUMENT TYPE: Article

## 2008

Kagalou I., Papastergiadou E., Leonardos I.

Long term changes in the eutrophication process in a shallow Mediterranean lake ecosystem of W. Greece: Response after the reduction of external load (2008) Journal of Environmental Management, 87 (3), pp. 497 – 506 DOI: 10.1016/j.jenvman.2007.01.039

DOCUMENT TYPE: Article

Papaloukas C., Granseth E., Viklund H., Elofsson A.

Estimating the length of transmembrane helices using Z-coordinate predictions (2008) Protein Science, 17 (2), pp. 271 – 278 DOI: 10.1110/ps.073036108

DOCUMENT TYPE: Article

Kassomenos P., Karayannis A., Panagopoulos I., Karakitsios S., Petrakis M.

Modelling the dispersion of a toxic substance at a workplace (2008) Environmental Modelling and Software, 23 (1), pp. 82 – 89 DOI: 10.1016/j.envsoft.2007.05.003

DOCUMENT TYPE: Article

Michaelidis T.M., Lie D.C.

Wnt signaling and neural stem cells: Caught in the Wnt web (2008) Cell and Tissue Research, 331 (1), pp. 193 – 210 DOI: 10.1007/s00441-007-0476-5

DOCUMENT TYPE: Review

Xenakis A., Papadimitriou V., Stamatis H., Kolisis F.N.

Biocatalysis in microemulsions (2008) Microemulsions: Properties and Applications, pp. 349 – 386 DOI: 10.1201/9781420089608

DOCUMENT TYPE: Book chapter

Zoumpanioti M., Parmaklis P., De María P.D., Stamatis H., Sinisterra J.V., Xenakis A.

Esterification reactions catalyzed by lipases immobilized in organogels: Effect of temperature and substrate diffusion (2008) Biotechnology Letters, 30 (9), pp. 1627 - 1631

DOI: 10.1007/s10529-008-9734-1

DOCUMENT TYPE: Article

Anastasiadou Ch., Kitsos M.-S., Koukouras A.

Redescription of Atyaephyra rosiana De Brito Capello, 1867 (Decapoda, Caridea, Atyidae) based on a population close to the topotypical area (2008) Crustaceana, 81 (2), pp. 191 – 205 DOI: 10.1163/156854008783476215

DOCUMENT TYPE: Article

Sotiropoulos I., Catania C., Riedemann T., Fry J.P., Breen K.C., Michaelidis T.M., Almeida O.F.X. Glucocorticoids trigger Alzheimer disease-like pathobiochemistry in rat neuronal cells expressing human tau (2008) Journal of Neurochemistry, 107 (2), pp. 385 - 397

DOI: 10.1111/j.1471-4159.2008.05613.x

DOCUMENT TYPE: Article

Kassomenos P.A., Pilidis G.A., Papaloukas C.L., Karakitsios S.P.

Parameters controlling ambient air benzene concentrations and human exposure in a medium sized Southeastern European city (2008) Air Quality: New Research, pp. 243 - 305

DOCUMENT TYPE: Book chapter

Leonardos I.D., Kagalou I., Tsoumani M., Economidis P.S.

Fish fauna in a Protected Greek lake: Biodiversity, introduced fish species over a 80-year period and their impacts on the ecosystem (2008) Ecology of Freshwater Fish, 17 (1), pp. 165 – 173 DOI: 10.1111/j.1600-0633.2007.00268.x

DOCUMENT TYPE: Article

Serefoglou E., Litina K., Gournis D., Kalogeris E., Tzialla A.A., Pavlidis I.V., Stamatis H., Maccallini E., Lubomska M., Rudolf P.

Smectite clays as solid supports for immobilization of  $\beta$ -glucosidase: Synthesis, characterization, and biochemical properties (2008) Chemistry of Materials, 20 (12), pp. 4106 – 4115 DOI: 10.1021/cm800486u

DOCUMENT TYPE: Article

Kallimanis A.S., Mazaris A.D., Tzanopoulos J., Halley J.M., Pantis J.D., Sgardelis S.P.  
How does habitat diversity affect the species-area relationship? (2008) Global Ecology  
and Biogeography, 17 (4), pp. 532 – 538 DOI: 10.1111/j.1466-8238.2008.00393.x  
DOCUMENT TYPE: Article

Konsoula Z., Liakopoulou-Kyriakides M., Perysinakis A., Chira P., Afendra A., Drainas  
C., Kyriakidis D.A.

Heterologous expression of a hyperthermophilic  $\alpha$ -amylase in xanthan gum producing  
*Xanthomonas campestris* cells (2008) Applied Biochemistry and Biotechnology, 149 (2),  
pp. 99 – 108 DOI: 10.1007/s12010-007-8115-x

DOCUMENT TYPE: Article

Sainis I., Vareli K., Karavasilis V., Briassoulis E.

PPAR $\gamma$ : The portrait of a target ally to cancer chemopreventive agents (2008) PPAR

Research, art. no. 436489 DOI: 10.1155/2008/436489

DOCUMENT TYPE: Review

Tzialla A.A., Kalogeris E., Gournis D., Sanakis Y., Stamatis H.

Enhanced catalytic performance and stability of chloroperoxidase from Caldariomyces  
fumago in surfactant free ternary water-organic solvent systems (2008) Journal of  
Molecular Catalysis B: Enzymatic, 51 (1-2), pp. 24 – 35 DOI:

10.1016/j.molcatb.2007.10.006

DOCUMENT TYPE: Article

Liousia V., Liasko R., Koutrakis E., Leonardos I.D.

Variation in clones of the sperm-dependent parthenogenetic *Carassius gibelio* (Bloch) in  
Lake Pamvotis (north-west Greece) (2008) Journal of Fish Biology, 72 (1), pp. 310 - 314  
DOI: 10.1111/j.1095-8649.2007.01712.x

DOCUMENT TYPE: Article

Kallimanis A.S., Halley J.M., Vokou D., Sgardelis S.P.

The scale of analysis determines the spatial pattern of woody species diversity in the  
Mediterranean environment (2008) Plant Ecology, 196 (1), pp. 143 – 151 DOI:

10.1007/s11258-007-9341-6

DOCUMENT TYPE: Article

Leonardos I.

The feeding ecology of *Aphanius fasciatus* (Valenciennes, 1821) in the lagoonal system of Messolongi (western Greece) (2008) *Scientia Marina*, 72 (2), pp. 393 - 401

DOCUMENT TYPE: Article

Exarchos T.P., Papaloukas C., Lampros C., Fotiadis D.I.

Mining sequential patterns for protein fold recognition (2008) *Journal of Biomedical Informatics*, 41 (1), pp. 165 – 179 DOI: 10.1016/j.jbi.2007.05.004

DOCUMENT TYPE: Article

Leonardos I.D., Tsikliras A.C., Eleftheriou V., Cladas Y., Kagalou I., Chortatou R., Papigioti O.

Life history characteristics of an invasive cyprinid fish (*Carassius gibelio*) in Chimaditis Lake (northern Greece) (2008) *Journal of Applied Ichthyology*, 24 (2), pp. 213 - 217

DOI: 10.1111/j.1439-0426.2007.01031.x

DOCUMENT TYPE: Article

Tatsis E.C., Exarchou V., Troganis A.N., Gerothanassis I.P.

<sup>1</sup>H NMR determination of hypericin and pseudohypericin in complex natural mixtures by the use of strongly deshielded OH groups (2008) *Analytica Chimica Acta*, 607 (2), pp.

219 – 226 DOI: 10.1016/j.aca.2007.11.040

DOCUMENT TYPE: Article

Anastasiadou C., Leonardos I.D.

Morphological variation among populations of *Atyaephyra desmarestii* (Millet, 1831) (Decapoda: Caridea: Atyidae) from freshwater habitats of northwestern Greece (2008)

*Journal of Crustacean Biology*, 28 (2), pp. 240 – 247 DOI:

10.1651/0278-0372(2008)028[0240:MVAPOA]2.0.CO;2

DOCUMENT TYPE: Article

Exarchos T.P., Tsipouras M.G., Papaloukas C., Fotiadis D.I.

A two-stage methodology for sequence classification based on sequential pattern mining and optimization (2008) *Data and Knowledge Engineering*, 66 (3), pp. 467 – 487

DOI: 10.1016/j.ddata.2008.05.007

DOCUMENT TYPE: Article

Levizou E., Manetas Y.

Maximum and effective PSII yields in the cortex of the main stem of young *Prunus cerasus* trees: Effects of seasons and exposure (2008) *Trees - Structure and Function*, 22 (2), pp. 159 – 164 DOI: 10.1007/s00468-007-0195-2

DOCUMENT TYPE: Article

Kassomenos P., Papaloukas C., Petrakis M., Karakitsios S.

Assessment and prediction of short term hospital admissions: the case of Athens, Greece (2008) *Atmospheric Environment*, 42 (30), pp. 7078 – 7086 DOI: 10.1016/j.atmosenv.2008.06.011

DOCUMENT TYPE: Article

Kagalou I., Papadimitriou T., Bacopoulos V., Leonardos I.

Assessment of microcystins in lake water and the omnivorous fish (*Carassius gibelio*, Bloch) in Lake Pamvotis (Greece) containing dense cyanobacterial bloom (2008) *Environmental Monitoring and Assessment*, 137 (1-3), pp. 185 – 195 DOI: 10.1007/s10661-007-9739-6

DOCUMENT TYPE: Article

## 2007

Lampros C., Papaloukas C., Exarchos K., Fotiadis D.I.

Improvement in fold recognition accuracy of a reduced-state-space hidden Markov model by using secondary structure information in scoring (2007) Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings, art. no. 4353466, pp. 5013 – 5016 DOI: 10.1109/IEMBS.2007.4353466

DOCUMENT TYPE: Conference paper

Karakitsios S.P., Delis V.K., Kassomenos P.A., Pilidis G.A.

Contribution to ambient benzene concentrations in the vicinity of petrol stations: Estimation of the associated health risk (2007) *Atmospheric Environment*, 41 (9), pp. 1889 – 1902 DOI: 10.1016/j.atmosenv.2006.10.052

DOCUMENT TYPE: Article

Stagakis S., Markos N., Levizou E., Kyparissis A.

Forest ecosystem dynamics using SPOT and MODIS satellite images (2007) European Space Agency, (Special Publication) ESA SP, (SP-636)

DOCUMENT TYPE: Conference paper

Kyparissis A., Grammatikopoulos G., Manetas Y.  
Leaf morphological and physiological adjustments to the spectrally selective shade imposed by anthocyanins in *Prunus cerasifera* (2007) *Tree Physiology*, 27 (6), pp. 849 - 857  
DOI: 10.1093/treephys/27.6.849  
DOCUMENT TYPE: Article

Katsoura M.H., Polydéra A.C., Katapodis P., Kolisis F.N., Stamatis H.  
Effect of different reaction parameters on the lipase-catalyzed selective acylation of polyhydroxylated natural compounds in ionic liquids (2007) *Process Biochemistry*, 42 (9), pp. 1326 – 1334 DOI: 10.1016/j.procbio.2007.07.004  
DOCUMENT TYPE: Article

Katsis C.D., Exarchos T.P., Papaloukas C., Goletsis Y., Fotiadis D.I., Sarmas I.  
A two-stage method for MUAP classification based on EMG decomposition (2007) *Computers in Biology and Medicine*, 37 (9), pp. 1232 – 1240 DOI: 10.1016/j.combiomed.2006.11.010  
DOCUMENT TYPE: Article

Kykkidou S., Pournis N., Kostoula O.K., Savvaidis I.N.  
Effects of treatment with nisin on the microbial flora and sensory properties of a Greek soft acid-curd cheese stored aerobically at 4 °C (2007) *International Dairy Journal*, 17 (10), pp. 1254 – 1258 DOI: 10.1016/j.idairyj.2007.02.006  
DOCUMENT TYPE: Article

Beklioglu M., Romo S., Kagalou I., Quintana X., Bécares E.  
State of the art in the functioning of shallow Mediterranean lakes: Workshop conclusions (2007) *Hydrobiologia*, 584 (1), pp. 317 – 326 DOI: 10.1007/s10750-007-0577-x  
DOCUMENT TYPE: Conference paper

Kalogeris E., Antzoulatos O., Mamma D., Hatzinikolaou D.G., Christakopoulos P., Kekos D.  
Application of different processes for the biodegradation of 1,3-dichloro-2-propanol by the bacterium *Pseudomonas putida* DSM 437 (2007) *Chemical and Biochemical Engineering Quarterly*, 21 (3), pp. 297 - 305  
DOCUMENT TYPE: Article

Panagiotakis I., Mamais D., Pantazidou M., Marneri M., Parapouli M., Hatziloukas E., Tandoi V.

Dechlorinating ability of TCE-fed microcosms with different electron donors (2007)

Journal of Hazardous Materials, 149 (3), pp. 582 – 589 DOI:

10.1016/j.jhazmat.2007.06.113

DOCUMENT TYPE: Article

Karakitsios S.P., Papaloukas C.L., Kassomenos P.A., Pilidis G.A.

Assessment and prediction of exposure to benzene of filling station employees (2007)

Atmospheric Environment, 41 (40), pp. 9555 - 9569 DOI:

10.1016/j.atmosenv.2007.08.030

DOCUMENT TYPE: Article

Carageorgiou H., Pantos C., Zarros A., Stolakis V., Mourouzis I., Cokkinos D., Tsakiris S.

Effects of hyper- and hypothyroidism on acetylcholinesterase, (Na<sup>+</sup>, K<sup>+</sup>)- and Mg<sup>2+</sup>-ATPase activities of adult rat hypothalamus and cerebellum (2007) Metabolic Brain

Disease, 22 (1), pp. 31 – 38 DOI: 10.1007/s11011-006-9034-1

DOCUMENT TYPE: Article

Parinos C.S., Stalikas C.D., Giannopoulos Th.S., Pilidis G.A.

Chemical and physicochemical profile of wastewaters produced from the different stages of Spanish-style green olives processing (2007) Journal of Hazardous Materials, 145 (1-2), pp. 339 – 343 DOI: 10.1016/j.jhazmat.2006.12.061

DOCUMENT TYPE: Article

Stathi P., Litina K., Gournis D., Giannopoulos T.S., Deligiannakis Y.

Physicochemical study of novel organoclays as heavy metal ion adsorbents for environmental remediation (2007) Journal of Colloid and Interface Science, 316 (2), pp. 298 – 309 DOI: 10.1016/j.jcis.2007.07.078

DOCUMENT TYPE: Article

Exarchos T.P., Tsipouras M.G., Exarchos C.P., Papaloukas C., Fotiadis D.I., Michalis L.K.

A methodology for the automated creation of fuzzy expert systems for ischaemic and arrhythmic beat classification based on a set of rules obtained by a decision tree (2007)

Artificial Intelligence in Medicine, 40 (3), pp. 187 – 200 DOI:

10.1016/j.artmed.2007.04.001

DOCUMENT TYPE: Article

Triantafyllidis A., Leonardos I., Bista I., Kyriazis I.D., Stoumboudi M.Th., Kappas I., Amat F., Abatzopoulos T.J.

Phylogeography and genetic structure of the Mediterranean killifish *Aphanius fasciatus* (Cyprinodontidae) (2007) *Marine Biology*, 152 (5), pp. 1159 – 1167 DOI: 10.1007/s00227-007-0760-7

DOCUMENT TYPE: Article

Carageorgiou H., Pantos C., Zarros A., Stolakis V., Mourouzis I., Cokkinos D., Tsakiris S.

Changes in acetylcholinesterase, Na<sup>+</sup>,K<sup>+</sup>-ATPase, and Mg<sup>2+</sup>-ATPase activities in the frontal cortex and the hippocampus of hyper- and hypothyroid adult rats (2007)

*Metabolism: Clinical and Experimental*, 56 (8), pp. 1104 – 1110 DOI:

10.1016/j.metabol.2007.04.003

DOCUMENT TYPE: Article

Lampros C., Costas Papaloukas, Exarchos T.P., Yorgos Goletsis, Fotiadis D.I.

Sequence-based protein structure prediction using a reduced state-space hidden

Markov model (2007) *Computers in Biology and Medicine*, 37 (9), pp. 1211 – 1224 DOI:

10.1016/j.combiomed.2006.10.014

DOCUMENT TYPE: Article

Sheng M., Maragakis P., Papaloukas C., Kaxiras E.

DNA nucleoside interaction and identification with carbon nanotubes (2007) *Nano Letters*, 7 (1), pp. 45 – 50 DOI: 10.1021/nl0619103

DOCUMENT TYPE: Article

Kyparisis A., Markos N., Stagakis S., Levizou E., Sykoti O.

Ecosystem productivity and dynamics issued from multispectral and hyperspectral satellite imagery (2007) *Proceedings of SPIE - The International Society for Optical Engineering*, 6742, art. no. 67420I DOI: 10.1117/12.737688

DOCUMENT TYPE: Conference paper

Dimitriadis E., Trangas T., Milatos S., Foukas P.G., Gioulbasanis I., Courtis N., Nielsen F.C., Pandis N., Dafni U., Bardi G., Ioannidis P.

Expression of oncofetal RNA-binding protein CRD-BP/IMP1 predicts clinical outcome in colon cancer (2007) International Journal of Cancer, 121 (3), pp. 486 – 494 DOI: 10.1002/ijc.22716

DOCUMENT TYPE: Article

Carageorgiou H., Pantos C., Zarros A., Stolakis V., Mourouzis I., Cokkinos D., Tsakiris S.

Effect of experimental hyper- and hypothyroidism on acetylcholinesterase, (Na<sup>+</sup>,K<sup>+</sup>)- and Mg<sup>2+</sup>-ATPase activities of adult rat brain regions (2007) Epitheorese Klinikes Farmakologias kai Farmakokinetikes, 25 (1), pp. 52 - 54

DOCUMENT TYPE: Conference paper

Levizou E., Manetas Y.

Photosynthetic pigment contents in twigs of 24 woody species assessed by in vivo reflectance spectroscopy indicate low chlorophyll levels but high carotenoid/chlorophyll ratios (2007) Environmental and Experimental Botany, 59 (3), pp. 293 – 298 DOI: 10.1016/j.envexpbot.2006.03.002

DOCUMENT TYPE: Article

Tatsis E.C., Boeren S., Exarchou V., Troganis A.N., Vervoort J., Gerohanassis I.P. Identification of the major constituents of Hypericum perforatum by LC/SPE/NMR and/or LC/MS (2007) Phytochemistry, 68 (3), pp. 383 – 393 DOI: 10.1016/j.phytochem.2006.11.026

DOCUMENT TYPE: Article

Rangou S., Theodorakis P.E., Gergidis L.N., Avgeropoulos A., Efthymiopoulos P., Smyrnaios D., Kosmas M., Vlahos C., Giannopoulos Th.

Synthesis, molecular characterization and theoretical study of first generation dendritic homopolymers of butadiene and isoprene with different microstructures (2007) Polymer, 48 (2), pp. 652 – 663 DOI: 10.1016/j.polymer.2006.11.041

DOCUMENT TYPE: Article

Katsaounos C.Z., Giokas D.L., Leonardos I.D., Karayannis M.I.

Speciation of phosphorus fractionation in river sediments by explanatory data analysis (2007) Water Research, 41 (2), pp. 406 – 418 DOI: 10.1016/j.watres.2006.10.028

DOCUMENT TYPE: Article

**2006**

Kassomenos P., Karakitsios S., Papaloukas C.  
Estimation of daily traffic emissions in a South-European urban agglomeration during a workday. Evaluation of several "what if" scenarios (2006) *Science of the Total Environment*, 370 (2-3), pp. 480 – 490 DOI: 10.1016/j.scitotenv.2006.08.018  
DOCUMENT TYPE: Article

Kagalou I., Economidis G., Leonardos I., Papaloukas C.  
Assessment of a Mediterranean shallow lentic ecosystem (Lake Pamvotis, Greece) using benthic community diversity: Response to environmental parameters (2006) *Limnologica*, 36 (4), pp. 269 – 278 DOI: 10.1016/j.limno.2006.08.002  
DOCUMENT TYPE: Article

Mellou F., Loutrari H., Stamatis H., Roussos C., Kolisis F.N.  
Enzymatic esterification of flavonoids with unsaturated fatty acids: Effect of the novel esters on vascular endothelial growth factor release from K562 cells (2006) *Process Biochemistry*, 41 (9), pp. 2029 – 2034 DOI: 10.1016/j.procbio.2006.05.002  
DOCUMENT TYPE: Article

Kalogeris E., Sanakis Y., Mamma D., Christakopoulos P., Kekos D., Stamatis H.  
Properties of catechol 1,2-dioxygenase from *Pseudomonas putida* immobilized in calcium alginate hydrogels (2006) *Enzyme and Microbial Technology*, 39 (5), pp. 1113 – 1121 DOI: 10.1016/j.enzmictec.2006.02.026  
DOCUMENT TYPE: Article

Anastasiadou Ch., Kitsos M.-S., Koukouras A.  
Redescription of *Atyaephyra desmarestii* (Millet, 1831) (Decapoda, Caridea, Atyidae) based on topotypical specimens (2006) *Crustaceana*, 79 (10), pp. 1195 – 1207 DOI: 10.1163/156854006778859597  
DOCUMENT TYPE: Article

Tsoumani M., Liasko R., Moutsaki P., Kagalou I., Leonardos I.  
Length-weight relationships of an invasive cyprinid fish (*Carassius gibelio*) from 12 Greek lakes in relation to their trophic states (2006) *Journal of Applied Ichthyology*, 22 (4), pp. 281 – 284 DOI: 10.1111/j.1439-0426.2006.00768.x  
DOCUMENT TYPE: Article

Layer G., Ollagnier-De Coudens S., Sanakis Y., Fontecave M.

Iron-sulfur cluster biosynthesis: Characterization of escherichia coli CYaY as an iron donor for the assembly of [2Fe-2S] clusters in the scaffold IscU (2006) Journal of Biological Chemistry, 281 (24), pp. 16256 – 16263 DOI: 10.1074/jbc.M513569200  
DOCUMENT TYPE: Article

Zoumpanioti M., Stamatis H., Papadimitriou V., Xenakis A.  
Spectroscopic and catalytic studies of lipases in ternary hexane-1-propanol-water surfactantless microemulsion systems (2006) Colloids and Surfaces B: Biointerfaces, 47 (1), pp. 1 – 9 DOI: 10.1016/j.colsurfb.2005.11.012  
DOCUMENT TYPE: Article

Exarchos T.P., Papaloukas C., Fotiadis D.I., Michalis L.K.  
An association rule mining-based methodology for automated detection of ischemic ECG beats (2006) IEEE Transactions on Biomedical Engineering, 53 (8), art. no. 1658147, pp. 1531 – 1540 DOI: 10.1109/TBME.2006.873753  
DOCUMENT TYPE: Article

Stamatis H.  
Biocatalytic flavonoid reactions in ionic liquids (2006) Industrial Bioprocessing, 28 (3), pp. 9  
DOCUMENT TYPE: Article

Zoumpanioti M., Karali M., Xenakis A., Stamatis H.  
Lipase biocatalytic processes in surfactant free microemulsion-like ternary systems and related organogels (2006) Enzyme and Microbial Technology, 39 (4), pp. 531 – 539  
DOI: 10.1016/j.enzmotec.2005.03.030  
DOCUMENT TYPE: Article

Karkabounas S., Kostoula O.K., Daskalou T., Veltsistas P., Karamouzis M., Zelovitis I., Metsios A., Lekkas P., Evangelou A.M., Kotsis N., Skoufos I.  
Anticarcinogenic and antiplatelet effects of carvacrol (2006) Experimental Oncology, 28 (2), pp. 121 - 125  
DOCUMENT TYPE: Article

Karakitsios S.P., Papaloukas C.L., Kassomenos P.A., Pilidis G.A.  
Assessment and prediction of benzene concentrations in a street canyon using artificial neural networks and deterministic models: Their response to "what if" scenarios (2006) Ecological Modelling, 193 (3-4), pp. 253 – 270 DOI: 10.1016/j.ecolmodel.2005.07.024

DOCUMENT TYPE: Article

Karakitsios S.P., Hadjidakis I., Kassomenos P.A., Pilidis G.A.  
Development of an artificial neural network to predict benzene concentrations in a street canyon (2006) Fresenius Environmental Bulletin, 15 (5), pp. 424 - 430  
DOCUMENT TYPE: Article

Kagalou I., Leonardos I.  
Planktonic respiration in a shallow eutrophic lake (2006) Journal of Freshwater Ecology, 21 (3), pp. 531 – 533 DOI: 10.1080/02705060.2006.9665032  
DOCUMENT TYPE: Article

Katsoura M.H., Polydera A.C., Tsironis L., Tselepis A.D., Stamatis H.  
Use of ionic liquids as media for the biocatalytic preparation of flavonoid derivatives with antioxidant potency (2006) Journal of Biotechnology, 123 (4), pp. 491 – 503 DOI: 10.1016/j.jbiotec.2005.12.022  
DOCUMENT TYPE: Article

## 2005

Tzakos A.G., Troganis A., Theodorou V., Tselios T., Svarnas C., Matsoukas J., Apostolopoulos V., Gerohanassis I.P.  
Structure and function of the myelin proteins: Current status and perspectives in relation to multiple sclerosis (2005) Current Medicinal Chemistry, 12 (13), pp. 1569 – 1587 DOI: 10.2174/0929867054039026  
DOCUMENT TYPE: Review

Igoumenidou V., Lambropoulos I., Roussou I., Roussis I.G.  
Casein and cheese peptide degradation by Enterococcus durans FC12 isolated from Feta cheese (2005) Food Biotechnology, 19 (2), pp. 161 – 172 DOI: 10.1081/FBT-200063468  
DOCUMENT TYPE: Article

Potier S., Sénecal J., Chabot J.-G., Psarropoulou C., Descarries L.  
A pentylenetetrazole-induced generalized seizure in early life enhances the efficacy of muscarinic receptor coupling to G-protein in hippocampus and neocortex of adult rat (2005) European Journal of Neuroscience, 21 (7), pp. 1828 – 1836 DOI: 10.1111/j.1460-9568.2005.04026.x

DOCUMENT TYPE: Article

Lambopoulos I., Igoumenidou V., Roussou I., Roussis I.G.

Proteolytic activities of Leuconostoc FC9 isolated from Feta cheese (2005)

Milchwissenschaft, 60 (3), pp. 285 - 288

DOCUMENT TYPE: Article

Christogianni A., Douka E., Koukkou A.I., Hatziloukas E., Drainas C.

Transcriptional analysis of a gene cluster involved in glucose tolerance in Zymomonas mobilis: Evidence for an osmoregulated promoter (2005) Journal of Bacteriology, 187 (15), pp. 5179 – 5188 DOI: 10.1128/JB.187.15.5179-5188.2005

DOCUMENT TYPE: Article

Skaltsa H.D., Lazari D.M., Kyriazopoulos P., Golegou S., Triantaphyllidis S., Sokovic M., Kypriotakis Z.

Composition and Antimicrobial Activity of the Essential Oils of Scutellaria sieberia

Benth. and Scutellaria rupestris Boiss. et Heldr. ssp. adenotricha (Boiss. et Heldr.)

Greuter et Burdet from Greece (2005) Journal of Essential Oil Research, 17 (2), pp. 232 - 235

DOI: 10.1080/10412905.2005.9698886

DOCUMENT TYPE: Article

Troganis A.N., Sicilia E., Barbarossou K., Gerothanassis I.P., Russo N.

Solvation properties of N-substituted cis and trans amides are not identical: Significant enthalpy and entropy changes are revealed by the use of variable temperature<sup>1</sup>H NMR in aqueous and chloroform solutions and ab initio calculations (2005) Journal of Physical Chemistry A, 109 (51), pp. 11878 – 11884 DOI: 10.1021/jp0537557

DOCUMENT TYPE: Article

Topakas E., Vafiadi C., Stamatis H., Christakopoulos P.

Sporotrichum thermophile type C feruloyl esterase (StFaeC): Purification, characterization, and its use for phenolic acid (sugar) ester synthesis (2005) Enzyme and Microbial Technology, 36 (5-6), pp. 729 – 736 DOI:

10.1016/j.enzmictec.2004.12.020

DOCUMENT TYPE: Article

Mellou F., Lazari D., Skaltsa H., Tselepis A.D., Kolisis F.N., Stamatis H.

Biocatalytic preparation of acylated derivatives of flavonoid glycosides enhances their antioxidant and antimicrobial activity (2005) Journal of Biotechnology, 116 (3), pp. 295 - 304

DOI: 10.1016/j.jbiotec.2004.12.002

DOCUMENT TYPE: Article

Pilidis G.A., Karakitsios S.P., Kassomenos P.A.

BTX measurements in a medium-sized European city (2005) Atmospheric Environment, 39 (33), pp. 6051 – 6065 DOI: 10.1016/j.atmosenv.2005.06.044

DOCUMENT TYPE: Article

## 2004

Domínguez De María P., Xenakis A., Stamatis H., Sinisterra J.V.

Unexpected reaction profile observed in the synthesis of propyl laurate when using Candida rugosa lipases immobilized in microemulsions based organogels (2004)

Biotechnology Letters, 26 (19), pp. 1517 – 1520 DOI:

10.1023/B:BILE.0000044455.42471.bf

DOCUMENT TYPE: Article

Topakas E., Vafiadi C., Stamatis H., Christakopoulos P.

Sporotrichum thermophile type C feruloyl esterase (StFaeC): Purification, characterization, and its use for phenolic acid (sugar) ester synthesis (2005) Enzyme and Microbial Technology, 36 (5-6), pp. 729 – 736 DOI:

10.1016/j.enzmictec.2004.12.020

DOCUMENT TYPE: Article

Zoumpanioti M., Karavas E., Skopelitis C., Stamatis H., Xenakis A.

Lecithin organogels as model carriers of pharmaceuticals (2004) Progress in Colloid and Polymer Science, 123, pp. 199 – 202 DOI: 10.1007/978-3-540-36462-7\_44

DOCUMENT TYPE: Conference paper

De María P.D., Xenakis A., Stamatis H., Sinisterra J.V.

Lipase factor (LF) as a characterization parameter to explain the catalytic activity of crude lipases from Candida rugosa, free or immobilized in microemulsion-based organogels (2004) Enzyme and Microbial Technology, 35 (4), pp. 277 – 283 DOI: 10.1016/j.enzmictec.2003.10.018

DOCUMENT TYPE: Article

Mellou F., Lazari D., Skaltsa H., Tselepis A.D., Kolisis F.N., Stamatis H.  
Biocatalytic preparation of acylated derivatives of flavonoid glycosides enhances their  
antioxidant and antimicrobial activity (2005) Journal of Biotechnology, 116 (3), pp. 295 –  
304 DOI: 10.1016/j.jbiotec.2004.12.002

DOCUMENT TYPE: Article

Topakas E., Stamatis H., Biely P., Christakopoulos P.  
Purification and characterization of a type B feruloyl esterase (StFAE-A) from the  
thermophilic fungus *Sporotrichum thermophile* (2004) Applied Microbiology and  
Biotechnology, 63 (6), pp. 686 – 690 DOI: 10.1007/s00253-003-1481-6

DOCUMENT TYPE: Article

Skouridou V., Chrysina E.D., Stamatis H., Oikonomakos N.G., Kolisis F.N.  
Kinetic and modelling studies on the lipase catalysed enantioselective esterification of  
(±)-perillyl alcohol (2004) Journal of Molecular Catalysis B: Enzymatic, 29 (1-6), pp. 9 –  
12 DOI: 10.1016/j.molcatb.2004.02.011

DOCUMENT TYPE: Conference paper

## 2003

Skouridou V., Stamatis H., Kolisis F.N.

Use of essential oils as media for the enantioselective esterification of the monoterpene  
perillyl alcohol catalyzed by lipase (2003) European Journal of Lipid Science and  
Technology, 105 (3-4), pp. 115 – 120 DOI: 10.1002/ejlt.200390026

DOCUMENT TYPE: Article

Sanakis Y., Mamma D., Christakopoulos P., Stamatis H.

Catechol 1,2-dioxygenase from *Pseudomonas putida* in organic media - An electron  
paramagnetic resonance study (2003) International Journal of Biological  
Macromolecules, 33 (1-3), pp. 101 – 106 DOI: 10.1016/S0141-8130(03)00073-4

DOCUMENT TYPE: Article

Kontogianni A., Skouridou V., Sereti V., Stamatis H., Kolisis F.N.

Lipase-catalyzed esterification of rutin and naringin with fatty acids of medium carbon  
chain

(2003) Journal of Molecular Catalysis B: Enzymatic, 21 (1-2), pp. 59 – 62 DOI: 10.1016/S1381-1177(02)00139-X

DOCUMENT TYPE: Conference paper

De María P.D., Xenakis A., Stamatis H., Sinisterra J.V.

Lipase factor (LF) as a characterization parameter to explain the catalytic activity of crude lipases from *Candida rugosa*, free or immobilized in microemulsion-based organogels (2004) Enzyme and Microbial Technology, 35 (4), pp. 277 – 283 DOI: 10.1016/j.enzmictec.2003.10.018

DOCUMENT TYPE: Article

Skouridou V., Stamatis H., Kolisis F.N.

A study on the process of lipase-catalyzed synthesis of  $\alpha$ -pinene oxide in organic solvents (2003) Biocatalysis and Biotransformation, 21 (6), pp. 285 – 290 DOI: 10.1080/10242420310001597801

DOCUMENT TYPE: Article

Topakas E., Stamatis H., Mastihubova M., Biely P., Kekos D., Macris B.J., Christakopoulos P.

Purification and characterization of a *Fusarium oxysporum* feruloyl esterase (FoFAE-I) catalysing transesterification of phenolic acid esters (2003) Enzyme and Microbial Technology, 33 (5), pp. 729 – 737 DOI: 10.1016/S0141-0229(03)00213-8

DOCUMENT TYPE: Article

Franqueville E., Loutrari H., Mellou F., Stamatis H., Friboulet A., Kolisis F.N. (2003)

Journal of Molecular Catalysis B: Enzymatic, 21 (1-2), pp. 15 – 17 DOI: 10.1016/S1381-1177(02)00130-3

DOCUMENT TYPE: Conference paper

Topakas E., Stamatis H., Biely P., Kekos D., Macris B.J., Christakopoulos P.

Purification and characterization of a feruloyl esterase from *Fusarium oxysporum* catalyzing esterification of phenolic acids in ternary water-organic solvent mixtures (2003) Journal of Biotechnology, 102 (1), pp. 33 – 44 DOI: 10.1016/S0168-1656(02)00363-2

DOCUMENT TYPE: Article

Skouridou V., Stamatis H., Kolisis F.N.

Lipase-mediated epoxidation of  $\alpha$ -pinene (2003) Journal of Molecular Catalysis B: Enzymatic, 21 (1-2), pp. 67 – 69 DOI: 10.1016/S1381-1177(02)00141-8

DOCUMENT TYPE: Conference paper

Christakopoulos P., Katapodis P., Kalogeris E., Kekos D., Macris B.J., Stamatis H., Skaltsa H.

Antimicrobial activity of acidic xylo-oligosaccharides produced by family 10 and 11 endoxylanases (2003) International Journal of Biological Macromolecules, 31 (4-5), pp. 171 – 175 DOI: 10.1016/S0141-8130(02)00079-X

DOCUMENT TYPE: Article

## 2002

Exarchou V., Nenadis N., Tsimidou M., Gerothanassis I.P., Troganis A., Boskou D.

Antioxidant activities and phenolic composition of extracts from Greek oregano, Greek sage, and summer savory (2002) Journal of Agricultural and Food Chemistry, 50 (19), pp. 5294 – 5299 DOI: 10.1021/jf020408a

DOCUMENT TYPE: Article

Exarchou V., Troganis A., Gerothanassis I.P., Tsimidou M., Boskou D.

Do strong intramolecular hydrogen bonds persist in aqueous solution? Variable temperature gradient  $^1\text{H}$ ,  $^1\text{H}-^{13}\text{C}$  GE-HSQC and GE-HMBC NMR studies of flavonols and flavones in organic and aqueous mixtures (2002) Tetrahedron, 58 (37), pp. 7423 – 7429 DOI: 10.1016/S0040-4020(02)00820-7

DOCUMENT TYPE: Article

Voutsas E.C., Stamatis H., Kolisis F.N., Tassios D.

Solvent effects on equilibrium position and initial rate of lipase-catalyzed esterification reactions in organic solvents: Experimental results and prediction capabilities (2002) Biocatalysis and Biotransformation, 20 (2), pp. 101 – 109 DOI:

10.1080/10242420290018087

DOCUMENT TYPE: Article

Clemente-Juan J.M., Mackiewicz C., Verelst M., Dahan F., Bousseksou A., Sanakis Y., Tuchagues J.-P.

Synthesis, structure, and magnetic properties of tetranuclear cubane-like and chain-like iron(II) complexes based on the N<sub>4</sub>O pentadentate dinucleating ligand

1,5-bis[(2-pyridylmethyl)amino]pentan-3-ol (2002) Inorganic Chemistry, 41 (6), pp. 1478 - 1491

DOI: 10.1021/ic010787+

DOCUMENT TYPE: Article

Skalkos D., Tatsis E., Gerothanassis I.P., Troganis A.

Towards a consensus structure of hypericin in solution: Direct evidence for a single tautomer and different ionization states in protic and nonprotic solvents by the use of variable temperature gradient  $^1\text{H}$  NMR (2002) *Tetrahedron*, 58 (24), pp. 4925 - 4929

DOI: 10.1016/S0040-4020(02)00419-2

DOCUMENT TYPE: Article

Delimitsou C., Zoumpanioti M., Xenakis A., Stamatis H.

Activity and stability studies of *Mucor miehei* lipase immobilized in novel microemulsion-based organogels (2002) *Biocatalysis and Biotransformation*, 20 (5), pp. 319 – 327 DOI: 10.1080/10242420290025539

DOCUMENT TYPE: Article

Sanakis Y., Power P.P., Stubna A., Münck E.

Mössbauer study of the three-coordinate planar Fell thiolate complex  $[\text{Fe}(\text{SR})_3]$ - ( $\text{R} = \text{C}_6\text{H}_2-2,4,6\text{-tBu}_3$ ): Model for the trigonal iron sites of the MoFe<sub>7</sub>S<sub>9</sub>:homocitrate cofactor of nitrogenase (2002) *Inorganic Chemistry*, 41 (10), pp. 2690 – 2696 DOI: 10.1021/ic0111278

DOCUMENT TYPE: Article

Franqueville E., Stamatis H., Loutrari H., Friboulet A., Kolisis F.

Studies on the catalytic behaviour of a cholinesterase-like abzyme in an AOT microemulsion system (2002) *Journal of Biotechnology*, 97 (2), pp. 177 – 182 DOI: 10.1016/S0168-1656(02)00061-5

DOCUMENT TYPE: Article

Hewitson K.S., Ollagnier-De Choudens S., Sanakis Y., Shaw N.M., Baldwin J.E., Münck E., Roach P.L., Fontecave M.

The iron-sulfur center of biotin synthase: Site-directed mutants (2002) *Journal of Biological Inorganic Chemistry*, 7 (1-2), pp. 83 – 93 DOI: 10.1007/s007750100268

DOCUMENT TYPE: Article

Morikis D., Roy M., Sahu A., Troganis A., Jennings P.A., Tsokos G.C., Lambris J.D.

The structural basis of compstatin activity examined by structure-function-based design of peptide analogs and NMR (2002) Journal of Biological Chemistry, 277 (17), pp. 14942 – 14953 DOI: 10.1074/jbc.M200021200  
DOCUMENT TYPE: Article