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## 2025

Goussios D., Gaki D., Mardakis P., Faraslis I.

New Possibilities for Planning the Recovery of Abandoned Agricultural Land in Mediterranean Mountain Communities: The Case of Troodos in Cyprus

(2025) *Land*, 14 (1), art. no. 6

DOI: 10.3390/land14010006

Valve H., D'Amato D., Hebinck A., Lazurko A., de Pater M., Jungwirth Březovská R., Saarikoski H., Laspidou C., Keune H., Ziliaskopoulos K., Harmáčková Z.V.

Transformative change from below?, Linking biodiversity governance with the diversity of bottom-up action

(2025) *Environmental Science and Policy*, 164, art. no. 104000

DOI: 10.1016/j.envsci.2025.104000

## 2024

Kim H., Lazurko A., Linney G., Maskell L., Díaz-General E., Březovská R.J., Keune H., Laspidou C., Malinen H., Oinonen S., Raymond J., Rounsevell M., Vaňo S., Venâncio M.D., Viesca-Ramirez A., Wijesekera A., Wilson K., Ziliaskopoulos K., Harrison P.A.

Understanding the role of biodiversity in the climate, food, water, energy, transport and health nexus in Europe

(2024) *Science of the Total Environment*, 925, art. no. 171692

DOI: 10.1016/j.scitotenv.2024.171692

Dhakar K., Kellari L.M., Karas P.A., Theodorakopoulos A., Styllas M.N., Papadopoulou E.S., Karpouzas D.G., Papadopoulou K.K., Vasileiadis S.

Microbiome analysis of the lithophytic resurrection plant *Ramonda heldreichii*, reveals root driven tight-rhizosphere vs elevation specific loose-rhizosphere communities

(2024) *Rhizosphere*, 32, art. no. 100969

DOI: 10.1016/j.rhisph.2024.100969

Charakopoulos A., Karakasidis T., Ziliaskopoulos K., Laspidou C.

Complex network analysis of climate and landscape satellite data to explore spatio-temporal patterns in urban environment: the case of Athens

(2024) *Applied Network Science*, 9 (1), art. no. 42

DOI: 10.1007/s41109-024-00652-0

Vlachou M., Kakavas K., Birbilis D., Chavenetidou M.

Dendrochronology and genetic diversity through climate change: a critical review of sweet chestnut

(2024) *E3S Web of Conferences*, 585, art. no. 03002

DOI: 10.1051/e3sconf/202458503002

Avgeri E.N., Papanastasiou D.K.

Atmospheric Pollution Depicted in Impressionists' Paintings

(2024) *Sustainability (Switzerland)*, 16 (22), art. no. 10147

DOI: 10.3390/su162210147

Goussios D., Faraslis I.

Navigating the Past through an Interactive Geovisualisation-Driven Methodology: Locating a 15th–19th Century Paddy Field as a Source of Agro-Ecological Knowledge (Thessaly, Greece)

(2024) *Resources*, 13 (7), art. no. 99

DOI: 10.3390/resources13070099

Sakellariou S., Dalezios N.R., Spiliotopoulos M., Alpanakis N., Faraslis I., Tziatzios G.A., Sidiropoulos P., Dercas N., Domínguez A., López H.M., Montoya F., López-Urrea R., Karam F., Amami H., Nsiri R. Remotely Sensed Comparative Spatiotemporal Analysis of Drought and Wet Periods in Distinct Mediterranean Agroecosystems

(2024) *Remote Sensing*, 16 (19), art. no. 3652

DOI: 10.3390/rs16193652

Kim H., Lazurko A., Linney G., Maskell L., Díaz-General E., Březovská R.J., Keune H., Laspidou C., Malinen H., Oinonen S., Raymond J., Rounsevell M., Vaňo S., Venâncio M.D., Viesca-Ramirez A., Wijesekera A., Wilson K., Ziliaskopoulos K., Harrison P.A.

Corrigendum to “Understanding the role of biodiversity in the climate, food, water, energy, transport and health nexus in Europe” [*Sci. Total Environ.* 925 (2024) 171692] (S0048969724018345), (10.1016/j.scitotenv.2024.171692)

(2024) *Science of the Total Environment*, 929, art. no. 172480

DOI: 10.1016/j.scitotenv.2024.172480

Ziliaskopoulos K., Laspidou C.

Using remote-sensing and citizen-science data to assess urban biodiversity for sustainable cityscapes: the case study of Athens, Greece

(2024) *Landscape Ecology*, 39 (2), art. no. 9

DOI: 10.1007/s10980-024-01793-4

Ziliaskopoulos K., Petropoulos C., Laspidou C.

Enhancing Sustainability: Quantifying and Mapping Vulnerability to Extreme Heat Using Socioeconomic Factors at the National, Regional and Local Levels

(2024) *Sustainability (Switzerland)*, 16 (17), art. no. 7603

DOI: 10.3390/su16177603

Azimov R., Providas E.

A Comparative Study of Machine Learning Methods and Text Features for Text Authorship Recognition in the Example of Azerbaijani Language Texts

(2024) *Algorithms*, 17 (6), art. no. 242

DOI: 10.3390/a17060242

Papadopoulou E.S., Bachtsevani E., Katsoula A., Charami C., Lampronikou E., Vasileiadis S., Karpouzas D.G.

Nitrification inhibitors impose distinct effects on comammox bacteria and canonical ammonia oxidizers under high N fertilization regimes

(2024) *Applied Soil Ecology*, 199, art. no. 105417

DOI: 10.1016/j.apsoil.2024.105417

Sakellariou S., Palaiologou P., Paschalidou A.K., Vrahnakis M., Christopoulou O.  
Editorial: Spatial and temporal monitoring of wildfire hazard under a climate change environment: prevention, mitigation and management  
(2024) *Frontiers in Forests and Global Change*, 7, art. no. 1474323  
DOI: 10.3389/ffgc.2024.1474323

Detsikas S.E., Petropoulos G.P., Kalogeropoulos K., Faraslis I.  
Combining Low-Cost UAV Imagery with Machine Learning Classifiers for Accurate Land Use/Land Cover Mapping  
(2024) *Earth (Switzerland)*, 5 (2), pp. 244 - 254  
DOI: 10.3390/earth5020013

Poulopoulou I., Hadjipavlou G., Gamper H., Lazereg M., Ocak Yetişgin S., Mohamed A., Gaily M., Gaki D., Goussios D., Faraslis I., Tsiokos D., Santeramo F., Marques-dos-Santos C., Rosati A., Bebeli P.J., Khalil W.K.B., Hadjigeorgiou I.  
Restoring grazing agroecosystems in Mediterranean less favoured areas for resilience and productivity: experts opinion  
(2024) *Agriculture and Food Security*, 13 (1), art. no. 48  
DOI: 10.1186/s40066-024-00501-4

Sakellariou S., Spiliotopoulos M., Alpanakis N., Faraslis I., Sidiropoulos P., Tziatzios G.A., Karoutsos G., Dalezios N.R., Dercas N.  
Spatiotemporal Drought Assessment Based on Gridded Standardized Precipitation Index (SPI) in Vulnerable Agroecosystems  
(2024) *Sustainability (Switzerland)*, 16 (3), art. no. 1240  
DOI: 10.3390/su16031240

Tampekis S., Kantartzis A., Arabatzis G., Sakellariou S., Kolkos G., Malesios C.  
Conceptualizing Forest Operations Planning and Management Using Principles of Functional Complex Systems Science to Increase the Forest's Ability to Withstand Climate Change  
(2024) *Land*, 13 (2), art. no. 217  
DOI: 10.3390/land13020217

## **2023**

Letsios V., Faraslis I., Stathakis D.  
Monitoring Building Activity by Persistent Scatterer Interferometry  
(2023) *Remote Sensing*, 15 (4), art. no. 950  
DOI: 10.3390/rs15040950

Providas E., Parasidis I.N.  
A Symbolic Method for Solving a Class of Convolution-Type Volterra–Fredholm–Hammerstein Integro-Differential Equations under Nonlocal Boundary Conditions  
(2023) *Algorithms*, 16 (1), art. no. 36  
DOI: 10.3390/a16010036

Providas E., Parasidis I.N.  
Analytical solution of nth-order volterra integro-differential equations of convolution type with non-local

conditions

(2023) *Analysis, Geometry, Nonlinear Optimization And Applications*, pp. 659 - 675

DOI: 10.1142/9789811261572\_0025

Dalezios N.R., Dercas N., Faraslis I.N., Spiliotopoulos M., Sidiropoulos P., Sakellariou S., Eslamian S.  
*Irrigation and Agrometeorology: Innovative Remote Sensing Applications in Crop Monitoring*

(2023) *Handbook of Irrigation Hydrology and Management: Irrigation Fundamentals*, pp. 243 - 259

DOI: 10.1201/9780429290114-15

Faraslis I., Dalezios N.R., Alpanakis N., Tziatzios G.A., Spiliotopoulos M., Sakellariou S., Sidiropoulos P., Dercas N., Domínguez A., Martínez-López J.A., López-Urrea R., Karam F., Amami H., Nciri R.  
*Remotely Sensed Agroclimatic Classification and Zoning in Water-Limited Mediterranean Areas towards Sustainable Agriculture*

(2023) *Remote Sensing*, 15 (24), art. no. 5720

DOI: 10.3390/rs15245720

Baghdadi N., Bazzi H., Najem S., Jaafar H., Page M.L., Zribi M., Faraslis I., Spiliotopoulos M.

*Detecting Irrigation Events Over Several Summer Crops Using Sentinel-1 Data*

(2023) *International Geoscience and Remote Sensing Symposium (IGARSS), 2023-July*, pp. 2839 - 2842

DOI: 10.1109/IGARSS52108.2023.10282768

Papanastasiou D.K., Keppas S., Melas D., Katsoulas N.

*Estimation of Crops Future Irrigation Water Needs in a Mediterranean Plain*

(2023) *Sustainability (Switzerland)*, 15 (21), art. no. 15548

DOI: 10.3390/su152115548

Kakavas K., Vagelas I., Papachatzis A., Tsiountsioura V., Flora A.

*Identification of microbial infections in Greek geothermal greenhouses tomato cultivation*

(2023) *E3S Web of Conferences*, 436, art. no. 03001

DOI: 10.1051/e3sconf/202343603001

Goussios D., Faraslis I.

*The Driving Role of 3D Geovisualization in the Reanimation of Local Collective Memory and Historical Sources for the Reconstitution of Rural Landscapes*

(2023) *Land*, 12 (2), art. no. 364

DOI: 10.3390/land12020364

Birbilis D., Kakavas K.V., Chavenetidou M.

*Pinus brutia extractives analysis for sustainability*

(2023) *E3S Web of Conferences*, 436, art. no. 08005

DOI: 10.1051/e3sconf/202343608005

Letsios V., Faraslis I., Stathakis D.

*Multi-Temporal PSI Analysis and Burn Severity Combination to Determine Ground-Burned Hazard Zones*

(2023) *Remote Sensing*, 15 (18), art. no. 4598

DOI: 10.3390/rs15184598

Tampekis S., Sakellariou S., Palaiologou P., Arabatzis G., Kantartzis A., Malesios C., Stergiadou A., Fafalis

D., Tsiaras E.

Building wildland–urban interface zone resilience through performance-based wildfire engineering. A holistic theoretical framework

(2023) Euro-Mediterranean Journal for Environmental Integration, 8 (3), pp. 675 - 689

DOI: 10.1007/s41207-023-00385-z

Mutsenko V., Anastassopoulos E., Zaragotas D., Simaioforidou A., Tarusin D., Lauterboeck L., Sydykov B., Brunotte R., Brunotte K., Rozanski C., Petrenko A.Y., Braslavsky I., Glasmacher B., Gryshkov O.

Monitoring of freezing patterns within 3D collagen-hydroxyapatite scaffolds using infrared thermography (2023) Cryobiology, 111, pp. 57 - 69

DOI: 10.1016/j.cryobiol.2023.02.001

Kolovou M., Panagiotou D., Süße L., Loiseleur O., Williams S., Karpouzas D.G., Papadopoulou E.S.

Assessing the activity of different plant-derived molecules and potential biological nitrification inhibitors on a range of soil ammonia- and nitrite-oxidizing strains

(2023) Applied and Environmental Microbiology, 89 (11)

DOI: 10.1128/aem.01380-23

Katsoulas N., Aslanidou M., Papanastasiou D.K., Anestis V.

Environmental impact assessment of aquaponic vegetable production: initial results

(2023) Acta Horticulturae, 1377, pp. 911 - 915

DOI: 10.17660/ActaHortic.2023.1377.114

Kasiteropoulou D.

A Study of Flow in Open Orthogonal and Trapezoidal Channels with Gabion Walls

(2023) WSEAS Transactions on Fluid Mechanics, 18, art. no. 7, pp. 66 - 73

DOI: 10.37394/232013.2023.18.7

Zygouras I., Leventakou D., Pouliakis A., Panagiotou S., Tsakogiannis D., Konstantopoulos G., Logotheti E., Samaras M., Kyriakopoulou Z., Beloukas A., Pateras I.S., Delides A., Psyrris A., Panayiotides I.G., Yiangou M., Kottaridi C.

Human Papillomavirus 16 DNA Methylation Patterns and Investigation of Integration Status in Head and Neck Cancer Cases

(2023) International Journal of Molecular Sciences, 24 (19), art. no. 14593

DOI: 10.3390/ijms241914593

Tsakogiannis D., Nikolaidis M., Zagouri F., Zografos E., Kottaridi C., Kyriakopoulou Z., Tzioga L., Markoulatos P., Amoutzias G.D., Bletsas G.

Mutation Profile of HPV16 L1 and L2 Genes in Different Geographic Areas

(2023) Viruses, 15 (1), art. no. 141

DOI: 10.3390/v15010141

## 2022

Chavenetidou M.A., Kakavas K.V., Birbilis D.

Pinus nigra extractives analysis for green growth

(2022) IOP Conference Series: Earth and Environmental Science, 1123 (1), art. no. 012003

DOI: 10.1088/1755-1315/1123/1/012003

Koulelis P.P., Solomou A.D., Fassouli V.P., Tsiaras S., Petrakis P.V.  
Greece on a sustainable future: Reviewing constraints and practices regarding forest and water resources management, flora and fauna biodiversity  
(2022) *International Journal of Agricultural Resources, Governance and Ecology*, 18 (1-2), pp. 38 - 54  
DOI: 10.1504/IJARGE.2022.124637

Providas E.  
Approximate Solution of Fredholm Integral and Integro-Differential Equations with Non-Separable Kernels  
(2022) *Springer Optimization and Its Applications*, 180, pp. 693 - 708  
DOI: 10.1007/978-3-030-84122-5\_38

Liora N., Kontos S., Parliari D., Akritidis D., Poupkou A., Papanastasiou D.K., Melas D.  
"On-Line" Heating Emissions Based on WRF Meteorology— Application and Evaluation of a Modeling System over Greece  
(2022) *Atmosphere*, 13 (4), art. no. 568  
DOI: 10.3390/atmos13040568

Kakavas K., Chavenetidou M., Birbilis D.  
Dimensional changes of sweet chestnut wood (*Castanea sativa* Mill.) of Greek origin  
(2022) *Euro-Mediterranean Journal for Environmental Integration*, 7 (3), pp. 377 - 379  
DOI: 10.1007/s41207-022-00320-8

Providas E.  
On the Exact Solution of Nonlocal Euler–Bernoulli Beam Equations via a Direct Approach for Volterra-Fredholm Integro-Differential Equations  
(2022) *AppliedMath*, 2 (2), pp. 269 - 283  
DOI: 10.3390/appliedmath2020017

Banias G.F., Karkanias C., Batsioulas M., Melas L.D., Malamakis A.E., Geroliolios D., Skoutida S., Spiliotis X.  
Environmental Assessment of Alternative Strategies for the Management of Construction and Demolition Waste: A Life Cycle Approach  
(2022) *Sustainability (Switzerland)*, 14 (15), art. no. 9674  
DOI: 10.3390/su14159674

Kakavas K.V., Binas V.D., Kasiteropoulou D., Christodoulou D.N.  
Valorization of greek - Naxos emery in environmental friendly applications  
(2022) *IOP Conference Series: Earth and Environmental Science*, 1123 (1), art. no. 012002  
DOI: 10.1088/1755-1315/1123/1/012002

Bazzi H., Baghdadi N., Najem S., Jaafar H., Le Page M., Zribi M., Faraslis I., Spiliotopoulos M.  
Detecting Irrigation Events over Semi-Arid and Temperate Climatic Areas Using Sentinel-1 Data: Case of Several Summer Crops  
(2022) *Agronomy*, 12 (11), art. no. 2725  
DOI: 10.3390/agronomy12112725

Suman S., Srivastava P.K., Petropoulos G.P., Avtar R., Prasad R., Singh S.K., Mustak S.K., Faraslis I.N., Gupta D.K.

Performance assessment of phased array type L-band Synthetic Aperture Radar and Landsat-8 used in image classification

(2022) *Radar Remote Sensing: Applications and Challenges*, pp. 219 - 244

DOI: 10.1016/B978-0-12-823457-0.00002-1

Providas E.

Closed-Form Solution of the Bending Two-Phase Integral Model of Euler-Bernoulli Nanobeams

(2022) *Algorithms*, 15 (5), art. no. 151

DOI: 10.3390/a15050151

Laspidou C., Ziliaskopoulos K.

Using System Dynamics Modelling to visualize the effects of resource management and policy interventions on biodiversity at a regional scale

(2022) *Ecological Indicators*, 145, art. no. 109630

DOI: 10.1016/j.ecolind.2022.109630

Providas E.

An Algorithm for the Closed-Form Solution of Certain Classes of Volterra–Fredholm Integral Equations of Convolution Type

(2022) *Algorithms*, 15 (6), art. no. 203

DOI: 10.3390/a15060203

Papadopoulou E.S., Bachtsevani E., Papazlatani C.V., Rousidou C., Brouziotis A., Lampronikou E., Tsiknia M., Vasileiadis S., Ipsilantis I., Menkissoglu-Spirodi U., Ehaliotis C., Philippot L., Nicol G.W., Karpouzas  
The Effects of Quinone Imine, a New Potent Nitrification Inhibitor, Dicyandiamide, and Nitrapyrin on Target and Off-Target Soil Microbiota

(2022) *Microbiology Spectrum*, 10 (4)

DOI: 10.1128/spectrum.02403-21

Goussios D., Faraslis I.

Integrated Remote Sensing and 3D GIS Methodology to Strengthen Public Participation and Identify Cultural Resources

(2022) *Land*, 11 (10), art. no. 1657

DOI: 10.3390/land11101657

Şandric I., Irimia R., Petropoulos G.P., Anand A., Srivastava P.K., Pleşoianu A., Faraslis I., Stateras D., Kalivas D.

Tree's detection & health's assessment from ultra-high resolution UAV imagery and deep learning

(2022) *Geocarto International*, 37 (25), pp. 10459 - 10479

DOI: 10.1080/10106049.2022.2036824

Ziliaskopoulos K., Papalamprou K.

A Bilevel Linear Programming Model for Developing a Subsidy Policy to Minimize the Environmental Impact of the Agricultural Sector

(2022) *Sustainability (Switzerland)*, 14 (13), art. no. 7651

DOI: 10.3390/su14137651

Gougoulias N., Papapolymerou G., Mpesios A., Kasiteropoulou D., Metsoviti M.N., Gregoriou M.E.

Effect of macronutrients and of anaerobic digestate on the heterotrophic cultivation of *Chlorella vulgaris* grown with glycerol

(2022) *Environmental Science and Pollution Research*, 29 (20), pp. 29638 - 29650

DOI: 10.1007/s11356-021-17698-7

Papapolymerou G., Kokkalis A., Kasiteropoulou D., Gougoulis N., Mpesios A., Papadopoulou A., Metsoviti M.N., Spiliotis X.

Effect of Anaerobic Digestate on the Fatty Acid Profile and Biodiesel Properties of *Chlorella sorokiniana* Grown Heterotrophically

(2022) *Sustainability (Switzerland)*, 14 (1), art. no. 561

DOI: 10.3390/su14010561

Karapanagiotidis I.T., Metsoviti M.N., Gkalogianni E.Z., Psoufakis P., Asimaki A., Katsoulas N., Papapolymerou G., Zarkadas I.

The effects of replacing fishmeal by *Chlorella vulgaris* and fish oil by *Schizochytrium* sp. and *Microchloropsis gaditana* blend on growth performance, feed efficiency, muscle fatty acid composition and liver histology of gilthead seabream (*Sparus aurata*)

(2022) *Aquaculture*, 561, art. no. 738709

DOI: 10.1016/j.aquaculture.2022.738709

Papapolymerou G., Gougoulis N., Mpesios A., Kokkalis A., Spiliotis X., Papadopoulou A., Kasiteropoulou D., Metsoviti M.N.

Semi-batch heterotrophic cultivation of *Chlorella sorokiniana* and *Chlorella kessleri*: lipid and protein content, fatty acid distribution and FAME properties

(2022) *Desalination and Water Treatment*, 260, pp. 216 - 224

DOI: 10.5004/dwt.2022.28363

Papapolymerou G., Gougoulis N., Metsoviti M.N., Kokkalis A., Kasiteropoulou D., Spiliotis X., Mpesios A., Papadopoulou A.

FAME and bio-oil properties and carbon yield coefficients of *Chlorella sorokiniana* cultivated heterotrophically with industrial effluents

(2022) *Sustainable Chemistry and Pharmacy*, 30, art. no. 100879

DOI: 10.1016/j.scp.2022.100879

## 2021

Providas E., Zaoutsos S., Faraslis I.

Closed-form solutions of linear ordinary differential equations with general boundary conditions

(2021) *Axioms*, 10 (3), art. no. 226

DOI: 10.3390/axioms10030226

Providas E.

A unified formulation of analytical and numerical methods for solving linear fredholm integral equations

(2021) *Algorithms*, 14 (10), art. no. 293

DOI: 10.3390/a14100293

Bachtsevani E., Papazlatani C.V., Rousidou C., Lampronikou E., Menkissoglu-Spiroudi U., Nicol G.W., Karpouzas D.G., Papadopoulou E.S.

Effects of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on the activity and diversity



of the soil microbial community under contrasting soil pH  
(2021) *Biology and Fertility of Soils*, 57 (8), pp. 1117 - 1135  
DOI: 10.1007/s00374-021-01602-z

Providas E., Parasidis I.N.  
A procedure for factoring and solving nonlocal boundary value problems for a type of linear integro-differential equations  
(2021) *Algorithms*, 14 (12), art. no. 346  
DOI: 10.3390/a14120346

Parasidis I.N., Providas E., Rassias T.M.  
Preface  
(2021) *Springer Optimization and Its Applications*, 179, pp. v - vi

Providas E.  
Factorization and Solution of Linear and Nonlinear Second Order Differential Equations with Variable Coefficients and Mixed Conditions  
(2021) *Springer Optimization and Its Applications*, 173, pp. 397 - 414  
DOI: 10.1007/978-3-030-72563-1\_18

Providas E., Parasidis I.N.  
On the Solution of Boundary Value Problems for Loaded Ordinary Differential Equations  
(2021) *Springer Optimization and Its Applications*, 179, pp. 641 - 659  
DOI: 10.1007/978-3-030-84721-0\_29

Sidiropoulos P., Dalezios N.R., Loukas A., Mylopoulos N., Spiliotopoulos M., Faraslis I.N., Alpanakis N., Sakellariou S.  
Quantitative classification of desertification severity for degraded aquifer based on remotely sensed drought assessment  
(2021) *Hydrology*, 8 (1), art. no. 47  
DOI: 10.3390/hydrology8010047

Kakavas K.V.  
Sensitivity and applications of the PCR Single-Strand Conformation Polymorphism method  
(2021) *Molecular Biology Reports*, 48 (4), pp. 3629 - 3635  
DOI: 10.1007/s11033-021-06349-2

Niemi J.K., Edwards S.A., Papanastasiou D.K., Piette D., Stygar A.H., Wallenbeck A., Valros A.  
Cost-Effectiveness Analysis of Seven Measures to Reduce Tail Biting Lesions in Fattening Pigs  
(2021) *Frontiers in Veterinary Science*, 8, art. no. 682330  
DOI: 10.3389/fvets.2021.682330

Alamanis N., Lokkas P., Chrysanidis T., Christodoulou D., Paschalis E.  
Assessment principles for the mechanical behavior of clay soils  
(2021) *WSEAS Transactions on Applied and Theoretical Mechanics*, 16, pp. 47 - 61  
DOI: 10.37394/232011.2021.16.6

**2020**

Metsoviti M.N., Papapolymerou G., Karapanagiotidis I.T., Katsoulas N.  
Effect of light intensity and quality on growth rate and composition of *Chlorella vulgaris*  
(2020) *Plants*, 9 (1), art. no. 31  
DOI: 10.3390/plants9010031

Kasiteropoulou D., Topalidou A., Downe S.  
A computational fluid dynamics modelling of maternal-fetal heat exchange and blood flow in the  
umbilical cord  
(2020) *PLoS ONE*, 15 (7 July), art. no. e0231997  
DOI: 10.1371/journal.pone.0231997