

Δρ Γεώργιος Π. Πετρόπουλος

Συνοπτικό Βιογραφικό Σημείωμα



Researcher Unique Identifiers: **IRCID:** orcid.org/0000-0003-1442-1423, **ResearcherID:** [F-2384-201](https://www.researcherid.com/rid/F-2384-201),

Scopus: 56500820900, **Google Scholar:** <https://scholar.google.co.uk/citations?user=Boe7HJcAAAAJ&hl=en>

Personal Web Site: <https://petropoulosgeorge.wixsite.com/mysite>

ΕΚΠΑΙΔΕΥΣΗ

2002-2008	PhD in Earth Observation Modelling, Dept. of Geography, Kings College London, UK
2001-2002	MSc in Remote Sensing, University of London (intercollegiate degree between University College London, Imperial College & King's College) UK
1994-1999	BSc in Natural Resources Development & Agricultural Engineering, Agricultural University of Athens, Greece

ΘΕΣΗ ΕΡΓΑΣΙΑΣ

2020 – Now	Επίκουρος Καθηγητής με γνωστικό αντικείμενο Γεωπληροφορική – Τμήμα Γεωγραφίας, Χαροκόπειο Πανεπιστήμιο Αθηνών, Αθήνα, Ελλάδα.
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ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

- Τηλεπισκόπηση, Συστήματα Γεωγραφικών Πληροφοριών, ψηφιακή χαρτογραφία, συστήματα εντοπισμού θέσης, μοντέλα προσομοίωσης, επίγεια δίκτυα μετρήσεων
- Γεωπληροφορική σε γεωγραφικές και περιβαλλοντικές εφαρμογές
- Ανίχνευση και χαρτογράφηση του φυσικού και ανθρωπογενούς περιβάλλοντος και διαχρονική παρακολούθηση των μεταβολών τους
- Μελέτη βιοτικών και αβιοτικών καταστροφών και των δυναμικών αυτών χωροχρονικά
- Σχεδιασμός και ανάπτυξη εργαλείων γεωπληροφορικής με εφαρμογές στο γεωπεριβάλλον
- Ανάπτυξη και εφαρμογή μεθόδων ολιστικής αξιολόγησης στην Τηλεπισκόπηση
- Επιχειρησιακή χρήση, προϊόντα και εφαρμογές γεωπληροφορικής

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΠΟΡΕΙΑ

2018 – σήμερα	Marie Curie Fellow – Technical University of Crete, Department of Mineral Resources Engineering, Chania, Crete, Greece
2016 – 2020	Associate Researcher in Remote Sensing & Geographical Information Systems (GIS) – Hellenic Agricultural Organisation “Demeter” (Former NAGREF), Institute of Soils Mapping, Ministry of Agriculture, Larisa, Greece
2016 – 2018	Reader (Associate Professor) in Remote Sensing & GIS , Dept. of Geography and Earth Sciences (DGES), Aberystwyth University (AU), UK
2014 – 2016	Senior Lecturer in Remote Sensing & GIS , Dept. of Geography and Earth Sciences (DGES), Aberystwyth University (AU), UK
2012 – 2014	Lecturer in Remote Sensing and GIS , Dept. of Geography and Earth Sciences, Aberystwyth University, UK
2011 – 2014	Postdoctoral Scholar of the European Space Agency (ESA) , Institute of Applied and Computational Mathematics, Heraklion, Crete, Greece and DGES at AU/UK
2010 – 2011	Postdoctoral Research Fellow , Dept. of Natural Resources and Agricultural Engineering, Agricultural University of Athens, Greece
2009 – 2010	Research Fellow , Institute of Space Applications and Remote Sensing, National Observatory of Athens, Greece

- 2009 – 2010 **Research Fellow**, Dept. of Environmental Management, Mediterranean Agronomic Institute of Chania, Crete, Greece
- 2008 – 2009 **Postdoctoral Research Fellow**, Dept. of Earth Sciences, University of Bristol, UK

ΔΙΟΙΚΗΤΙΚΗ ΕΜΠΕΙΡΙΑ ΣΤΟΝ ΑΚΑΔΗΜΑΙΚΟ ΧΩΡΟ

- 2016 - 2018 **Recruitment & Employability Coordinator** of MSc programmes of AU/DGES
- 2016 - 2018 **ERASMUS & Intern. Exchanges Coordinator** for AU/DGES UG degrees
- 2016 - 2018 **Degree Scheme Leader** for the UG Geography (Science) of AU/DGES
- 2012 - 2018 **Degree Scheme Leader** for the MSc programmes of AU/DGES

ΕΠΙΒΛΕΨΗ ΔΙΑΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ (ολοκληρωμένες διατριβές μόνο)

- Khidir Abdalla** PhD Thesis title: “*Soil moisture retrievals from the synergy of Earth Observation datasets*”. School of Atmospheric Physics, Nanjing University of Information Science & Technology, China.
- Kwal Deng**
- Salim Lamine** PhD Thesis title: “*Contribution of Hyperspectral satellite images to study the interaction between the plant cover and the soil*”. Dept of Ecology and Environment, University of Sciences and Technology Houari Boumediene (USTHB), BP 32, El Alia Bab Ezzouar, Algiers, Algeria.
- Joshua Jones** PhD Thesis title: “*Assessing the impacts of previous land use on the regeneration of tropical rainforests in areas of abandoned agriculture in the Brazilian Amazon*”. PhD supervision start date 11/2013. Dept of Geography & Earth Sciences, Aberystwyth University, UK.
- Rebecca Charnock** PhD Thesis title: “*Assessment of biodiversity indicators utilizing remote sensing data*”. PhD supervision start date 04/2012. Dept of Geography & Earth Sciences, Aberystwyth University, UK.

ΥΠΟΤΡΟΦΙΕΣ/ΔΙΑΚΡΙΣΕΙΣ (ενδεικτική αναφορά)

- 2017-present **Marie Curie Individual Fellowship (IF)**, project “ENVISION-EO” (top 4.01% score)
- 2015 **Senior Fellow** awarded from the UK's Higher Education Academy (HEA) in recognition of my teaching contribution and impact outside of a UK academic institute
- 2014 **Research Scientist Visitor at the NASA's Hydrology Group**, Goddard, USA.
- 2013 **Marie Curie Reintegration Grant (GIG)**, project TRANSFORM-EO” (top 9% score)
- 2010 **European Space Agency (ESA) award** obtained for pursuing postdoctoral research. My proposal was one of the 10 accepted by ESA in a call that was open for all ESA-Member States and Canada
- 2009 **Honorary Research Fellow**, Dept. of Earth Sciences, Bristol University, UK
- 2009 **Postdoctoral Research Fellowship** obtained from the Ministry of Education, Greece
- 2002 **Postgraduate Studies Scholarship** obtained from the Greek Scholarships Foundation (IKY) to pursue postgraduate studies (MSc, PhD) in the field of Earth Observation/GIS

ΕΡΕΥΝΗΤΙΚΑ ΕΡΓΑ (ενδεικτική αναφορά)

- 2018 **COST Action** “Optical synergies for spatiotemporal sensing of scalable ecophysiological traits” (CA17134), EU-funded project. Duration: 4 years. My role: Management Committee member
- 2018 **Newton Fund Research Partnerships, UK-Indonesia call for proposals**. Proposal title: “Towards a Fire Early Warning System for Indonesia (ToFEWSI)”. My role: Co-I. Funding amount: £180,000, of which I managed £58,000.
- 2017 **Marie Curie Individual Fellowship: ENViSioN-EO**. Research for 2 years focusing on the investigation of improved estimates of key parameters characterising land surface

- interactions from the synergies of EO data and land biosphere models. Project duration: 2 years; My role: fellow; Funding amount: ~€168,000.
- 2015 **Newton Fund, NSFC Agritech, UK:** “Synthesis of EO and novel ground truth sensors to develop high resolution soil moisture forecasts in China and the UK”. Project budget: £970,000; duration: 3 years; Role: Co-I of which I managed £235,000.
- 2014 **High Performance Computing Facilities (HPC) Wales:** "Investigating the Prototyping the retrievals of existing EO-based operational products for the estimation of evapotranspiration rates (ET) and soil moisture. Co-Is: NASA Hydrology Group, USA & Geosmart Solution Ltd, UK. duration: 3 years; Role: PI; *Funding amount: £44,500.*
- 2013 **Marie Curie Career Integration Grant:** TRANSFOrM-EO. Estimation of energy fluxes and soil moisture from the synergy of Earth Observation (EO) and simulation process model SimSphere. duration: 3 years; Role: fellow; *Funding amount: €100,000.*
- 2012 **University of Aberystwyth Research Funds:** Towards the development of a continuous, autonomous long-term monitoring of soil moisture content and related parameters for west Wales. duration: 1 year; Role: PI; *Funding amount: £4,850.*
- 2011 **European Space Agency (ESA).** Funding obtained for pursuing postdoctoral research in prototyping the retrievals of energy fluxes and soil surface moisture from ESA satellites. Role: PI; *Funding amount: €116,400.*

ΔΙΟΡΓΑΝΩΣΗ ΕΞΕΙΛΕΙΧΕΥΜΕΝΩΝ ΘΕΜΑΤΙΚΩΝ ΕΝΟΤΗΤΩΝ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ (ενδεικτική αναφορά)

- 2020 **Editor of Special Issue** “Remote Sensing for biophysical and biochemical properties of crops” journal *Remote Sensing MDPI*
- 2019 **Editor of Special Issue** “Spaceborne RADAR Remote sensing of Agricultural Canopies and Soil Moisture” journal *Sensors MDPI*
- 2018 **Editor of Special Issue** “GPS/GNSS Contemporary Applications” journal *Remote Sensing MDPI*
- 2018 **Editor of Special Issue** “Satellite Remote Sensing for Water Resources in a Changing Climate” journal *Remote Sensing MDPI*
- 2016 **Editor of Special Issue** “Earth Observation Technologies for Agrometeorology and Agroclimatology” journal *of Applied Remote Sensing*
- 2015 **Editor of Special Issue** “SimSphere model: developments & applications” the journal *Geoscientific Model Development*

ΣΥΝΤΑΚΤΙΚΟ ΕΡΓΟ (ενδεικτική αναφορά)

- 2015 – 2020 **Editor of SENSED, Newsletter Remote Sensing & Photogram. Society (RSPSoc UK)**
- 2016 – Now **Associate Editor:** *International Journal of Remote Sensing (Taylor & Francis), Remote Sensing MDPI, Fires (MDPI) & Journal of Applied Remote Sensing (SPIE)*
- 2017 – Now **Editorial Board Member:** *Applied Geography, GIScience & Remote Sensing, Remote Sensing Applications: Society & Environment, Environmental Modelling & Software, Sensors (MDPI), Geoscientific Data (Nature).*
- 2014 – Now **Editorial Board Member:** *Remote Sensing & ISPRS Intern. Journal of Geo-Information (MDPI), Journal of Applied Rem. Sensing, Comput. Ecology & Software*

ΣΥΜΜΕΤΟΧΗ ΣΤΗ ΔΙΟΡΓΑΝΩΣΗ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ (ενδεικτική αναφορά)

- 2020 **Scientific Committee Member** of the 2nd Conference of the Arabian Journal of Geosciences (CAJG). November, 2-5, 2020, Sousse, Tunisia
- 2020 **Scientific Committee Member** of the DRONES & ROVS 2020. April, 29-30th, 2020, London, UK.
- 2019 **Scientific Committee Member** of the European Space Agency (ESA)’s Living Planet

- Symposium, May 13-17th, 2019, Milan, Italy
- 2018 *Scientific Committee Member* of the 4th International Conference on Fuzzy Systems and Data Mining, Nov. 16-19th, 2018, Bangkok, Thailand
- 2018 *Scientific Committee Member* of the International Conference on Advanced Remote Sensing: October, 15-18th, 2018 Wuhan, China,
- 2018 *Scientific Committee Member* of the 4th International Conference on Fuzzy Systems and Data Mining, Nov. 16-19th, 2018, Bangkok, Thailand
- 2016 *Scientific Committee Member* of the European Space Agency (ESA)'s Living Planet Symposium, Prague, Czech Republic

ΣΥΜΜΕΤΟΧΗ ΣΤΗΝ ΔΙΟΡΓΑΝΩΣΗ ΕΞΕΙΔΙΚΕΥΜΕΝΩΝ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΕΝΟΤΗΤΩΝ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ (ενδεικτική αναφορά)

- 2019 *Convener* of session “Open source software tools in Earth Observation and GIS”, at EGU2019, Vienna, Austria
- 2019 *Convener* of session “Advances in remote sensing data analyses for investigating nonlinear processes”, at EGU 2019, Vienna, Austria
- 2019 *Co-Convener* of session “Impact of climate change on agriculture”, at EGU 2019, Vienna, Austria
- 2018 *Co-Convener* of session “EO & GIS use in Water Resources Management”, AT THE 10th World Congress on Water Resources & Environment, EWRA, July, 5-9th, Athens Greece.
- 2016 *Co-Convener* of session “Smart Water for the Future”, 12th International Conference on Hydroinformatics, Songdo Convensia, Incheon, Korea
- 2014 *Organising Committee Member* of the RSPSoc, UK Annual Conference
- 2014 *Convener* of session “Uncertainty & Sensitivity Analysis in Geoscience”, EGU
- 2009 – 2015 *Co-Convener* of session “Satellite time-series analysis”, EGU, Vienna, Austria

ΔΗΜΟΣΙΕΥΣΕΙΣ: ΩΣ ΕΠΗΜΕΛΗΤΗΣ ΕΚΔΟΣΗΣ ΒΙΒΛΙΩΝ

- 1) **Pandley, P.C., P.K. Srivastava, H. Baltzer, B. Bhattacharya & G.P. Petropoulos (2020):** *Hyperspectral Remote Sensing: Theory & Applications*. Elsevier, ISBN: 978-0-08-102894-0
- 2) **Petropoulos, G.P. & T. Islam (2017):** *Remote Sensing of Hydrometeorological Hazards*, ISBN: 978-1-4987-7758-2, Elsevier, ISBN: 978-01-4987-7758-2.
- 3) **Petropoulos, G.P. & P.K. Srivastava (2016):** *Sensitivity Analysis in Earth Observation*, Elsevier, [in press, to be in circulation October 2016].
- 4) **Srivastava P.K., G.P. Petropoulos & Y. Kerr (2016):** *Satellite Soil Moisture Retrieval: Techniques and Applications*, Elsevier, ISBN: 978-0-12-803388-3.
- 5) **Petropoulos G.P. (2013):** "*Remote Sensing of Energy Fluxes and Soil Moisture Content*", 506 pp, Taylor and Francis. ISBN: 978-1-4665-0578-0.

ΔΗΜΟΣΙΕΥΣΕΙΣ: ΚΕΦΑΛΑΙΑ ΣΕ ΒΙΒΛΙΑ (συνολικά: +; πλήρη λίστα στην ιστοσελίδα μου)

2020

- 1) **Howells, O. G.P. Petropoulos & Z. Ioannou (2020):** Evaluating the Potential for National Coverage of Soil Moisture Monitoring using Remote Sensing. Chapter 8, pp: xx-xx, to appear in “Agricultural Water Management”, Academic Press, Elsevier, ISBN: 9780128123621, Edited by Gupta, M., P.K. Srivastava, G. Tsakiris & N. Quinn [in press]
- 2) **Suman, S., M.R. North, G.P. Petropoulos, P. K. Srivastava, J.P. McCalmont, D. S. Fuzzo, S. Lamine, L. Toullos & T. Carlson (2020):** Modelling Key Parameters Characterising Land Surface in 1D Space Using the SimSphere SVAT Model: Findings From its Use at European Ecosystems. Chapter 9, pp: xx-xx, in “Agricultural Water Management”, published by Elsevier, USA”, Edited by M. Gupta, P. K. Srivastava, G. Tsakiris & N. Quinn, 9780128123621, Elsevier [in press]

- 3) **Anand, A., P. Singh, Srivastava, P. K., A. & G.P. Petropoulos (2020).** GIS based analysis for soil moisture estimation via co-kriging with external drift Interpolation method. Chapter 18, pp: xx-xx, in “Agricultural Water Management”, published by Elsevier, USA”, Edited by M. Gupta, P. K. Srivastava, G. Tsakiris & N. Quinn, 9780128123621, Elsevier [in press]

2019

- 1) **Dalezios, N., G.P. Petropoulos & I. Faraslis (2019):** Concepts and Methodologies of Environmental Hazards Affecting Agriculture and Agroecosystems. Chapter 1, pp: xx-xx, to appear in “Techniques for Disaster Risk Management and Mitigation”. Publisher AGU-Wiley. ISBN-10: 111935918X [in press]
- 2) **Howells, O. G.P. Petropoulos & Z. Ioannou (2019):** Evaluating the Potential for National Coverage of Soil Moisture Monitoring using Remote Sensing. Chapter 8, pp: xx-xx, to appear in “Techniques for Disaster Risk Management and Mitigation”. Publisher AGU-Wiley. ISBN-10: 111935918X [in press]
- 3) **Stippa, S.R., K.P. Ferentinos, G. P. Petropoulos (2019).** An Exploration of the Panther Mountain Crater Impact Using Spatial Data and GIS Spatial Correlation Analysis Techniques. Chapter 10, pp: xx-xx, in “Techniques for Disaster Risk Management and Mitigation”. Publisher AGU-Wiley. ISBN-10: 111935918X [in press]
- 4) **Suman S., M.R. North, G.P. Petropoulos, P. K. Srivastava, J.P. McCalmont, D. S. Fuzzo, S. Lamine & T. Carlson (2018):** Modelling Key Parameters Characterising Land Surface in 1D Space Using the SimSphere SVAT Model: Findings From its Use at European Ecosystems. Chapter xx, pp: xx-xx, to appear in “Agricultural Water Management: Theory and Practices”, published by Elsevier, USA”, Edited by M. Gupta, P. K. Srivastava, G. Tsakiris & N. Quinn, 9780128123621, Elsevier. [accepted].

2018

- 5) **Pandley, P.C., K. Manevski, P.K. Srivastava & G.P. Petropoulos (2018):** The Use of Hyperspectral Earth observation Data for Land Use/Cover Classification: Present Status, Challenges and Future Outlook. Chapter 8, pp: 147-173, to appear in “Hyperspectral Remote Sensing of Vegetation”, published by Taylor & Francis CRC Press. 9781439845370, Edited by P. Thenkabail. [in press].

2017

- 6) **Dalezios N. R. & G.P. Petropoulos (2017):** Frost and Remote Sensing: An Overview of Capabilities & Potential. Chapter 6, pp: 105-129, in “Remote Sensing of Hydrometeorological Hazards, Edited by G.P. Petropoulos & T. Islam, ISBN: 978-1-4987-7758-2, Elsevier.
- 7) **Louka, P., I. Papanikolaou, G.P. Petropoulos & N. Stathopoulos (2017):** Temperature Fluctuation & Frost Risk Analysis on a Road Network by Coupling Remote Sensing Data, Thermal Mapping and GIS Techniques. Chapter 9, pp: 183-210, in “Remote Sensing of Hydrometeorological Hazards, Edited by G.P. Petropoulos & T. Islam, pp520, ISBN: 978-1-4987-7758-2, Elsevier.

ΔΗΜΟΣΙΕΥΣΕΙΣ: ΑΡΘΡΑ ΣΕ ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ

(συνολικά: +85 άρθρα; Πλήρη λίστα στην ιστοσελίδα μου)

2020

- 1) **Zhu, L. Y. Bao, G.P. Petropoulos, P. Zhang, F. Lu, Q. Lu, Y. Wu & D. Xu (2020):** Temperature and Humidity Profiles Retrieval in a Plain Area from Fengyun-3D/HIRAS Sensor Using a 1D-VAR Assimilation Scheme. Remote Sensing MDPI, 12, 435; doi:10.3390/rs12030435 [IF: 4.118].
- 2) **Louka, P., I. Papanikolaou, G.P. Petropoulos, K. Kalogeropoulos & N. Stathopoulos (2020):** Identifying Spatially Correlated Patterns between Surface Water and Frost Risk Using EO Data and Geospatial Indices. Water MDPI, 12, 700; doi:10.3390/w12030700 [IF: 2.524].
- 3) **Anand, A., P.C. Pandey, G.P. Petropoulos, A. Pavlides, P.K. Srivastava, J. K. Sharma & R. K. M. Malhi (2020):** Use of Hyperion for Mangrove Forest Carbon Stock Assessment in Bhitarkanika Forest Reserve: A Contribution Towards Blue Carbon Initiative. Remote Sensing MDPI, 12, 597; doi:10.3390/rs12040597 [IF: 4.118].
- 4) **Silva-Fuzzo, D., T.N. Carlson, N. Kourgialas & G.P. Petropoulos (2019):** Coupling Remote Sensing with a water balance model for soybean yield predictions over large areas. Earth Science Informatics, doi.org/10.1007/s12145-019-00424-w [IF: 1.525].

2019

- 5) **Wu, Y., B. Qian, Y. Bao, M. Li, G.P. Petropoulos, X. Liu & L. Li (2019):** Microwave land emissivity over the Qinghai-Tibetan plateau using FY-3B MWRI measurements. *Remote Sensing MDPI*, 11, 2206, 1-16, doi:10.3390/rs11192206 [IF: 4.118].
- 6) **Shao, M. Y. Bao, G.P. Petropoulos & H. Zhang (2019):** A two-season impact study of radiative forced tropospheric response to stratospheric initial conditions inferred from satellite radiance assimilation. *Climate MDPI*, 7, 114, 1-11, doi:10.3390/cli7090114 [IF: 1.950] .
- 7) **Pandey, P. C., N. Koutsias, G.P. Petropoulos, P.K. Srivastava & E.B. Dor (2019):** Land Use/Land Cover in view of Earth Observation: Data Sources, Input Dimensions and Classifiers -a Review of the State of the Art". *Geocarto International*, [IF: 2.365].
- 8) **Wu, Y., B. Qian, Y. Bao, M. Li, G.P. Petropoulos, X. Liu & L. Li (2019):** Detection and analysis of C-band radio frequency Interference in AMSR2 data over land. *Remote Sensing MDPI*, 11, 1228, 1-19, doi:10.3390/rs11101228 [IF: 4.118].
- 9) **Bridges, J. G.P. Petropoulos & N. Clerici (2019):** Immediate Change in Organic Matter and Plant available nutrients of Haplic Luvisol soils following different experimental burning intensities in Damak Forest, Hungary (2019). *Forests MDPI*, 10(5), 453 DOI: 10.3390/f10050453 [IF: 2.116].
- 10) **Deng, K.A.K., S. Lamine, A. Pavlides, G.P. Petropoulos, Y. Bao, P.K. Srivastava, & Y. Guan (2019):** Large Scale Operational Soil Moisture Mapping from Passive MW Radiometry: SMOS product evaluation in Europe & USA. *International Journal of Applied Earth Observation & Geoinformation*, 80, 206-217, DOI: 10.1016/j.jag.2019.04.015 [IF: 4.846].
- 11) **Srivastava, P.K., P. C. Pandley, G.P. Petropoulos, N. K. Kourgialas, S. Pandley & U. Singh (2019):** GIS and remote sensing aided information for soil moisture estimation: A comparative study of interpolation technique. *Resources MDPI*, [in press].
- 12) **Dawson, R., G.P. Petropoulos, L. Toullos & P.K. Srivastava (2019):** Mapping and Monitoring of the Land Use/Cover Changes in the Wider Area of Itanos, Crete, Using Very High Resolution EO Imagery With Specific Interest in Archaeological Sites. *Environment, Development and Sustainability*, [in press], DOI: 10.1007/s10668-019-00353-0 [IF: 1.379].
- 13) **Cass, A., G.P. Petropoulos, K.P. Ferentinos, A. Pavlides & P.K. Srivastava (2019):** Exploring the synergy between Landsat and ASAR towards improving thematic mapping accuracy of optical EO data. *Applied Geomatics*, doi: 10.1007/s12518-019-00258-7 [in press], [IF: 0.733].
- 14) **Carlson, T.N. & G.P. Petropoulos (2019):** A New Method for Estimating of Evapotranspiration and Surface Soil Moisture from Optical and Thermal Infrared Measurements: The Simplified Triangle. *International Journal of Remote Sensing*, [in press], [IF: 1.782].
- 15) **Deng, K.A.K., S. Lamine, A. Pavlides, G.P. Petropoulos, P.K. Srivastava, Y. Bao, D. Hristopoulos & V. Anagnostopoulos (2019):** Operational Soil Moisture from ASCAT in Support of 2 Water Resources Management. *Remote Sensing MDPI*, [in press], [IF: 3.406]
- 16) **Bao, Y. L. Zhu, Q. Guan, Y. Guan, Q. Lu, G.P. Petropoulos, H. Che, G. Ali, Y. Dong, Z. Tang, Y. Gu, W. Tang & Y. Hou (2019):** Assessing the impact of Chinese FY-3/MERSI AOD Data Assimilation on Air Quality Forecasts: Sand Dust Events in Northeast China, *Atmospheric Environment*, S1352-2310(19)30118-9, DOI: 10.1016/j.atmosenv.2019.02.026 [in press], [IF: 3.708]

2018

- 17) **Brown, R.A, G. P. Petropoulos & K. Ferentinos (2018):** Appraisal of the Sentinel-1 & 2 use in a large-scale wildfire assessment: A case study from Portugal's fires of 2017. *Applied Geography*, 100, 78-89 [IF: 3.117]
- 18) **Amos, C, G.P. Petropoulos & K. P. Ferentinos (2018):** Determining the use of Sentinel-2A MSI for wildfire burning and severity detection. *International Journal of Remote Sensing*, DOI: 10.1080/01431161.2018.1519284, in press [IF: 1.782]
- 19) **Petropoulos, G.P., P.K. Srivastava, K.P. Ferentinos & D. Hristopoulos (2018):** Evaluating the capabilities of optical/TIR imagine sensing systems for quantifying soil water content. *Geocarto International*, in press [1.759]
- 20) **Banerjee, R., P.K. Srivastava, A.W.G. Pike & G. P. Petropoulos (2018):** Identification of painted

rock-shelter sites using GIS integrated with a Decision Support system and Fuzzy Logic. *International Journal of Geo-Information*, 7, 326-386, doi:10.3390/ijgi7080326 [IF: 1.723].

- 21) **Evans, A., S. Lamine, D. Kalivas & G.P. Petropoulos (2018):** Exploring the Potential of EO data and GIS for Ecosystem Health Modelling in Response to Wildfire: a Case Study in Central Greece. *Environmental Engineering & Management*. [in press], [IF: 1.096]
- 22) **Markogianni, V., D. Kalivas, G. P. Petropoulos & E. Dimitriou (2018):** An Appraisal of the Potential of Landsat 8 in Estimating Chlorophyll-a, Ammonium Concentrations and Other Water Quality Indicators. *Remote Sensing MDPI*, 10, 1-22, doi:10.3390/rs10071018 [IF: 3.406]
- 23) **Colson, D., G.P. Petropoulos & K. Ferentinos (2018):** Exploring the Potential of Sentinels-1 & 2 of the Copernicus Mission in Support of Rapid and Cost-effective Wildfire Assessment. *International Journal of Applied Earth Observation & Geoinformation*, 73, 262-276, doi.org/10.1016/j.jag.2018.06.011 [IF: 3.930]
- 24) **Bao, Y., L. Lin, S. Wu, K.A.K. Deng & G.P. Petropoulos (2018):** Surface Soil Moisture Retrievals Over Partially Vegetated Areas From the Synergy of Sentinel-1 & Landsat 8 Data Using a Modified Water-Cloud Model. *International Journal of Applied earth Observation & Geoinformation*, 72, 76-85, /doi.org/10.1016/j.jag.2018.05.026 [IF: 4.003]
- 25) **Whyte, A., K. Fredinos & G.P. Petropoulos (2018):** A New Synergistic Approach for Monitoring Wetlands Using Sentinels -1 and 2 data With Object-based Machine Learning Algorithms. *Environmental Modelling & Software*, 104, 40-57, doi.org/10.1016/j.envsoft.2018.01.023 [IF:4.177].
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ΔΗΜΟΣΙΕΥΣΕΙΣ: ΣΥΜΜΕΤΟΧΗ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ ΜΕ ΚΡΙΤΕΣ (συνολικά +100 συμμετοχές, ενδεικτικά παραδείγματα παρακάτω)

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