Δρ. Γεώργιος Π. Πετρόπουλος

Συνοπτικό Βιογραφικό Σημείωμα

Researcher Unique Identifiers: **IRCID:** orcid.org/0000-0003-1442-1423, **ResearcherID:** 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

ΤΡΕΧΟΥΣΑ ΘΕΣΗ ΕΡΓΑΣΙΑΣ

2020 – σήμερα	***Επίκουρος Καθηγητής με γνωστικό αντικείμενο «Γεωπληροφορική»*** – Τμήμα Γεωγραφίας, Χαροκόπειο Πανεπιστήμιο Αθηνών, Αθήνα, Ελλάδα.

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

- Τηλεπισκόπηση, Συστήματα Γεωγραφικών Πληροφοριών, ψηφιακή χαρτογραφία, συστήματα εντοπισμού θέσης, μοντέλα προσομοιώσης, επίγεια δίκτυα μετρήσεων
- Γεωπληροφορική σε γεωγραφικές και περιβαλλοντικές εφαρμογές
- Χαρτογράφηση του φυσικού και ανθρωπογενούς περιβάλλοντος και διαχρονική παρακολούθηση των μεταβολών τους
- Μελέτη βιοτικών και αβιοτικών κινδύνων 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 – 2021	***Marie Curie Fellow*** – Technical University of Crete, Department of Mineral Resources Engineering, Chania, Crete, Greece
2018 – 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

ΕΠΙΒΛΕΨΗ ΔΙΔΑΚΤΟΡΙΚΩΝ ΔΙΑΤΡΙΒΩΝ (ολοκληρωμένες διατριβές μόνο)

Khidir Abdalla Kwal Deng PhD Thesis title: "*Soil moisture retrievals from the synergy of Earth Observation datasets*". School of Atmospheric Physics, Nanjing University of Information Science & Technology, China.

Salim Lamine PhD Thesis title: "*Contribution of Hyperspectral satellite images to study the interaction between the plant cover and the soi*l". 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 **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)

2021 **ΔΡΑΣΗ ΚΑΛΛΙΠΟΣ:** Χρηματοδότηση για την προετοιμασία ακδημαϊκού συγγράμματος με τίτλο «Εισαγωγή στη Χαρτογαφία και στα ΣΓΠ». *Funding amount:* ***6,500 euros***

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 ΕΞΕΙΔΕΙΚΕΥΜΕΝΩΝ ΘΕΜΑΤΙΚΩΝ ΕΝΟΤΗΤΩΝ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ (ενδεικτική αναφορά)

2021 ***Editor of Special Issue*** *"Open source geoinformation software tools in environmental modelling", journal Environmental Modelling & Software Elsevier*

2021 ***Editor of Special Issue*** *"Novel methods & applications in satellite and aerial imagery time series analysis", journal Remote Sensing MDPI*

2021 ***Editor of Special Issue*** *"Applications of spatial science & technology in health research", journal Remote Sensing MDPI*

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 Agricutlural 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 – σήμερα **Associate Editor**: *International Journal of Remote Sensing (Taylor & Francis), Environmental Modelling & Software (Elsevier), Remote Sensing Applications: Society & Environment (Elsevier), Remote Sensing MDPI, Fires (MDPI)*

2017 – σήμερα **Editorial Board Member**: *International Journal of Applied Earth Observation & Geoinformation (Elsevier) Applied Geography (Elsevier),, GIScience & Remote Sensing (Taylor & Francis), Sensors (MDPI), Geoscientific Data (Nature)*

2014 – σήμερα **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)

2021 ***Scientific Committee Member*** *of the IEEE workshop on Hyperspectral Image & Signal Processing: Evolution in Remote Sensing, May 24-26, 2021*

2021 ***Scientific Committee Member*** *of the conference " Global meet on Sensors & Sensing technology, June 20-22, 2022, Rome, Italy*

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, 2018Wuhan, 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 ΕΞΕΙΔΕΙΚΕΥΜΕΝΩΝ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΕΝΟΤΗΤΩΝ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ (ενδεικτική αναφορά)

2021 ***Convener*** of session "Impact of Climate Change in Agriculture", at EGU2021, Vienna, Austria

2021 ***Convener*** of session "Novel methods and applications of satellite and aerial time series imagery", at EGU2021, 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, Austtria

2018 ***Co-Convener*** of session "EO & GIS use in Water Resources Management", AT THE 10th World Congresss 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

ΔΗΜΟΣΙΕΥΣΕΙΣ: ΩΣ ΕΠΙΜΕΛΗΤΗΣ ΕΚΔΟΣΗΣ ΒΙΒΛΙΩΝ

1) **Petropoulos, G.P. & P.K. Srivastava (2021):** *GPS and GNSS Technology in Geosciences.* Elsevier, ISBN: 9780128186176
2) **Pandey, P.C., P.K. Srivastava, H. Baltzer, B. Bhattacgarya & G.P. Petropoulos (2020):** *Hyperspectral Remote Sensing: Theory & Applications*. Elsevier, ISBN: 978-0-08-102894-0
3) **Petropoulos, G.P. & T. Islam (2017):** Remote Sensing of Hydrometeorological Hazards, ISBN: 978-1-4987-7758-2, Elsevier, ISBN: 978-01-4987-7758-2.
4) **Petropoulos, G.P. & P.K. Srivastava (2016):** *Sensitivity Analysis in Earth Observation*, Elsevier, [in press, to be in circulation October 2016].
5) **Srivastava P.K., G.P. Petropoulos & Y. Kerr (2016):** *Satellite Soil Moisture Retrieval: Techniques and Applications*, Elsevier, ISBN: 978-0-12-803388-3.
6) **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: +25; πλήρη λίστα στην ιστοσελίδα μου)*

2021

1) **Suman, S., P.K. Srivastava, G. P. Petropoulos, R. Avtar, R. Prasad, S. K. Singh, S. Mustak & I.**

Faraslis (2021): Performance assessment of Phased Array type L-band Synthetic Aperture Radar and Landsat-8 used in image classification, Chapter X, pp: xx-xx, in book entitled "Radar Remote Sensing: Application and Challenges", edited by P.K. Srivastava & D. K. Gupta, Elsevier, ISBN: 9780128234570 [chapter accepted, expected to be published end of 2021]

2) **Papafilippaki, A., G. Stavroulakis & G.P. Petropoulos (2021):** Geoinformation technologies in pest Management: mapping olive fruit fly population in olive trees. Chapter xx, in book entitled "Information and Communication Technologies for Agriculture—Theme I: Sensors", published by Springer, USA, edited by Bochtis, D. D., V. Moysiadis, G. P. Petropoulos, Y. Ampatzidis & P.M. Pardalos [chapter accepted, expected to be published end of 2021]
3) **Sandric, I., R. Irimia, G. P. Petropoulos, D. Stateras, D. Kalivas & A. Plesoianu (2021):** Drone Imagery in support of orchards trees vegetation assessment based on spectral indices and deep learning. Chapter xx, in book entitled "Information and Communication Technologies for Agriculture—Theme I: Sensors", published by Springer, USA, edited by Bochtis, D. D., V. Moysiadis, G. P. Petropoulos, Y. Ampatzidis & P.M. Pardalos [chapter accepted, expected to be published end of 2021]

2020

1) **Lamine, S. M.K. Pandey, G.P. Petropoulos, P. A. Brewer, P. K. srivastava, K. Manevski, L. Toulios, N. I. Bachari (2020):** Spectroradiometry as a tool for monitoring soil contamination by heavy metals in a floodplain site, pp: 249-268, in *Hyperspectral Remote Sensing: Theory & Applications*, edited by Pandey, P.C., P.K. Srivastava, B. Bhattacgarya & G.P. Petropoulos (2020): Elsevier, ISBN: 978-0-08-102894-0
2) **Pandey, P. C., H. Balzter, P.K. Srivastava, G.P. Petropoulos & B. Bhattacharya (2020):** Future perspectives and challenges in hyperspectral remote sensing, pp: 429-440, in *Hyperspectral Remote Sensing: Theory & Applications*, edited by Pandey, P.C., P.K. Srivastava, B. Bhattacgarya & G.P. Petropoulos (2020): Elsevier, ISBN: 978-0-08-102894-0
3) **Petropoulos, G.P., I. Sandric, A. Pavlides & D. T. Hristopulos (2020):** A preliminary evalation of the "simplified triangle" with Sentinel-3 images for mapping surface soil moisture and evaporative fluxes: results obtained in a Spanish savannah environment, pp: 209-226, in "Agricultural Water Management", published by Elsevier, USA", Edited by M. Gupta, P. K. Srivastava, G. Tsakiris & N. Quinn, 9780128123621, Elsevier.

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, ppxx-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: **+100** journal papers; **h-index:34; h10 index:780** in google scholar, total citations: **3,948**-- as of 26/09/2021 All my published papers are available in my ResearcherID)*

2021 (complete list, until 09/2021):

1. **Srivastava, P.K. G. P. Petropoulos, R. Prasad & D. Triantakonstantis (2021):** Random Forests with least trimmed squares regression for soil moisture deficit using SMOS satellite soil moisture. ISPRS International Journal of Geo-Information MDPI, 10, 507-520, https://doi.org/10.3390/ijgi10080507 [IF: 2.899]
2. **Wang, X., B. Yang, Y. Bao, G. P. Petropoulos, H. Liu & B. Hu (2021):** Seasonal trends in clouds and radiation over the Arctic areas from satellite observations during 1982 to 2019. Remote Sensing MDPI, 13, 3201-3219, https://doi.org/10.3390/rs13163201 [IF: 4.848]
3. **Mehmood, K., Y. Bao, R. Abbas, Saifullah, G. P. Petropoulos, H. Raza Ahmad, M. M. Abrar, A. Mustafa, A. Abdalla, K. Lasaridi & S. Fahad (2021):** Pullution characteristics and human health risk assessments of toxic metals and particle pollutants via soil and air using geoinformation in urbanised city of Pakistan. *Environmental Science & Pollution*, doi: https://doi.org/10.1007/s11356-021-14436-x , in press [IF: 4.223]
4. **Srivastava, P.K. R. K. Pradhan, G. P. Petropoulos, V. Pandey, M. Gupta, A. Yaduvanshi, W. Jaafar, R. K. Mall & A. K. Sahai (2021):** Long-term trend analysis of precipitation and extreme events over Kosi river basin in India. Water MDPI, 13, 1695-1703 doi: https://doi.org/10.3390/w13121695 [IF: 3.103]
5. **Anand, A. R. K. M. Malhi, P.K. Srivastava, P. Singh, A. N. Mudaliar, G.P. Petropoulos & C. S. Kiramn (2021):** Optimal band characterisation in reformation of hyperspectral indices for speces diversity estimation. *Physics & Chemistry of the Earth*, pp: 1030-40, doi: https://doi.org/10.1016/j.pce.2021.103040 [IF: 2.712]
6. **Hu, J., Y. Bao, J. Liu, H. Liu, G. P. Petropoulos, P. Katsafados, L. Zhu & X. Cai (2021**): Temperature and relative humidity profile retrieval from Fengyun-3D/HIRAS in the arctic Region. Remote Sensing MDPI, (13), 1884-2004, https://www.mdpi.com/2072-4292/13/10/1884 [IF: 4.848]
7. **Srivastava, P. K., M. Gupta, U. singh, R. Prasad, P. C. Pandey, A.S. Raghubanshi & G. P. Petropoulos (2021):** Sensitivity analysis of artificial neural network for chlorophyll prediction using hyperspectral data. *Environment, Development and Sustainability*, 23, pp5504-5519, doi: https://doi.org/10.1007/s10668-020-00827-6 [IF: 3.219]
8. **Maurya, S., P.K. Srivastava, A. Yaduvanshi, G.P. Petropoulos, L. Zhuo & R.K. Mall (2021):** Soil erosion in future scenario using CMIP5 models and Earth Observation datasets. Journal of Hydrology, [in press] [IF: 5.722]
9. **Mehmood, K., Y. Bao, G. P. Petropoulos, R. Abbas, M. M. Abrar, Saifullah, A. Mustafa, A. S. Shah Saud, M. Ahmad, I. Hussain & S. Fahadl (2021):** Investigating connections between COVID-19 pandemic, air pollution and community interventions for Pakistan employing geoinformation technologies, *Chemosphere*, 272, doi: https://doi.org/10.1016/j.chemosphere.2021.129809 [IF: 7.086]
10. **Tsatsaris, A., K. Kalogeropoulos, N. Stathopoulos, P. Louka, K. Tsanakas, D. E. Tsesmelis, V. Krassanakis, G. P. Petropoulos, V. Pappas & C. Chalkias (2021):** Geoinformation Technologies in Support of Environmental Hazards Monitoring under Climate Change: An Extensive Review. ISPRS International Jouranl of Geo-Information, 10 (94) 1-32, doi: https://doi.org/10.3390/ijgi10020094 [IF: 2.889]

11. **Mehmood, K., Y. Bao, M. Abrar, G. P. Petropoulos, Saifullah,. A. Soban, S. Saud, Z. A. Khan, S.M. Khan & S. Fahad (2021):** Spatiotemporal variability of COVID-19 pandemic in relation to air pollution, climate and socioeconomic factors in Pakistan, *Chemosphere*, 272, doi: https://doi.org/10.1016/j.chemosphere.2021.1295840045-6535 [IF: 7.086]
12. **Malhi, R.K.M., M. K. Pandey, A. Anand, P.K. Srivastava, G.P. Petropoulos, P. Singh, G. Sandhya Kiran & B. K. Bhattarcharya (2021):** Band selection algorithms for foliar trait retrieval using AVIRIS-NG: a comparison of feature based attribute evaluators, Geocarto International, DOI: 10.1080/10106049.2020.1870167 [IF: 4.889]
13. **Pandey, V.; P.K., Srivastava, K., Singh, S G.P. Petropoulos, Mall, R.K. (2021):** Drought Identification and Trend Analysis Using Long-Term CHIRPS Satellite Precipitation Product in Bundelkhand, India. Sustainability, 13, 1042. https:// doi.org/10.3390/su13031042 [IF: 3.251]
14. **Al-Hajri, S. M., G.P. Petropoulos & V. Markogianni (2020**): Seasonal variation of key environmental parameters in the Sea of Oman using EO data and GIS. *Environment, Development and Sustainability*, doi.org/10.1007/s10668-020-00860-5 [IF: 1.930].
15. **Gupta, D. K., P. K. Srivastava, A. Singh, G. P. Petropoulos, N. Stathopoulos & R. Prasad (2021):** SMAP soil moisture product assessment over wales, UK, using observations from the WSMN ground monitoring network. Sustainability MDPI, 13, 6019-6028, doi: https://doi.org/10.3390/su13116019 [IF: 3.251]

2020 (complete list)

1) **Al-Hajri, S. M., G.P. Petropoulos & V. Markogianni (2020**): Seasonal variation of key environmental parameters in the Sea of Oman using EO data and GIS. *Environment, Development and Sustainability*, doi.org/10.1007/s10668-020-00860-5 [IF: 1.930].
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ΔΗΜΟΣΙΕΥΣΕΙΣ: ΣΥΜΜΕΤΟΧΗ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ ΜΕ ΚΡΙΤΕΣ *(συνολικά +100 συμμετοχές, ενδεικτικά παραδείγματα παρακάτω)*

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