

Stavros Stagakis

Curriculum Vitae

General Information

Foundation for Research and Technology Hellas

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LinkedIn <https://gr.linkedin.com/in/stavrosstagakis>

ResearcherID <http://www.researcherid.com/rid/O-4181-2014>

Education

PhD Degree in **Plant Ecophysiology and Remote Sensing** - University of Ioannina, Greece. 2012

Thesis Title: **Evaluation and use of remote sensing techniques in monitoring land ecosystem dynamics**

BSc Degree in **Biological Applications and Technology** - University of Ioannina, Greece. 2005.

Thesis title: **Monitoring mountainous ecosystem dynamics in the region of Epirus, Greece using satellite imagery**

Work Experience

2016 – today

Post-doc Researcher in the Remote Sensing Lab of the Regional Analysis Division – Foundation for Research and Technology Hellas (<http://www.rslab.gr/>)

2014 – 2015

Post-doc Researcher in the Institute for Astronomy, Astrophysics, Space Applications & Remote Sensing of the National Observatory of Athens (<http://www.astro.noa.gr/>)

2012 – 2014

Post-doc Researcher in the Botany Lab of the Biological Applications and Technology Department of the University of Ioannina (<http://bot.bat.uoi.gr/>)

2010

Visiting Fellow in the Laboratory for Research Methods in Quantitative Remote Sensing (Quantalab) of the Instituto de Agricultura Sostenible, Consejo Superior de Investigaciones Científicas (<http://quantalab.ias.csic.es/>)

2005 – 2012

Research Fellow in the Botany Lab of the Biological Applications and Technology Department of the University of Ioannina (<http://bot.bat.uoi.gr/>)

Participation in Projects

URBANFLUXES | URban ANthropogenic heat FLUX from Earth observation Satellites | Duration: 2015 – 2017 | Funding: European Commission (H2020)

Advanced techniques of satellite remote sensing for the dynamic Earth observation | Duration: 2014 – 2015 | Funding: European Regional Development Fund (ERDF), NSRF 2007-2013

PindosGPP | Development of a satellite monitoring system for the estimation of primary productivity of the forests of Northern Pindus National Park in a GIS environment | Duration: 2012 – 2014 | Funding: European Regional Development Fund (ERDF), NSRF 2007-2013

Study of ecosystem dynamics using CHRIS/PROBA hyperspectral data | Duration: 2006 – 2014 | Data provision: European Space Agency (ESA)

Study of ecosystem dynamics in Northern Pindus National Park using satellite images | Duration: 2005 – 2007 | Funding: Ministry of Education and Religious Affairs of Greece

Selected Recent Publications

Estimating forest species abundance through linear unmixing of CHRIS/PROBA imagery

Stavros Stagakis, Theofilos Vanikiotis, Olga Sykioti

ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119: 79–89

sCASE: A primary productivity monitoring system for the forests of North Pindus National Park (Epirus, Greece)

Stavros Stagakis, Nikos Markos, Theofilos Vanikiotis, Angelos Tzotsos, Olga Sykioti & Aris Kyparissis

European Journal of Remote Sensing, 2015, 48: 223-243

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

Stavros Stagakis, Nikos Markos, Olga Sykioti & Aris Kyparissis

ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97: 138-151

Monitoring water stress and fruit quality in an orange orchard under regulated deficit irrigation using narrow-band structural and physiological remote sensing indices

Stavros Stagakis, Victoria González-Dugo, Patricio Cid, Mariluz Guillén-Climent & Pablo J. Zarco-Tejada

ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 71: 47-61

Band depth analysis of CHRIS/PROBA data for the study of a Mediterranean natural ecosystem. Correlations with leaf optical properties and ecophysiological parameters

Olga Sykioti, Dimitris Paronis, Stavros Stagakis & Aris Kyparissis

Remote Sensing of Environment, 2011, 115 (2): 752-766

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

Stavros Stagakis, Nikos Markos, Olga Sykioti & Aris Kyparissis

Remote Sensing of Environment, 2010, 114 (5): 977-944

Languages

Good knowledge of **English** (Cambridge First Certificate)

Basic knowledge of **German** (Zertifikat Elementarstufe, PALSO - PRÜFUNGEN)

Basic knowledge of **Spanish**

Technical Skills

Operating Systems: Windows, Linux

Analytical software tools: Origin, SPSS

Graphic design and editing software: CorelDraw, Inkscape, Photoshop

Specialized Software: ENVI, ERDAS Imagine, QGIS, ArcGIS, GRASS GIS

Programming: Matlab

More Applications: MS-Office, Open office.