

Curriculum Vitae

Education

2004 - 2009	Ph.D. in Geography	University of Victoria (UVic), Canada
2003 - 2004	M.Sc. in Remote Sensing	Instituto Nacional de Pesquisas Espaciais (INPE), Brazil
1998 - 2002	B.Sc. in Biology	Universidade Federal do Rio Grande do Norte (UFRN), Brazil

Professional History

2019 - now	Lecturer	University of Stirling (UoS), UK
2013 - now	Affiliated Researcher (w/o pay)	University of California Santa Barbara (UCSB), USA
2013 - 2019	Assistant Professor	Universidade Estadual Paulista (UNESP), Brazil
2010 - 2013	FAPESP Postdoctoral Fellowship	Instituto Nacional de Pesquisas Espaciais (INPE), Brazil
2010 - 2010	Postdoctoral Researcher	University of California Santa Barbara (UCSB), USA
2010 - 2010	Sessional Lecturer (USA = Adjunct)	Camosun College, Canada
2009 - 2009	Sessional Lecturer (USA = Adjunct)	University of Victoria (UVic), Canada
2004 - 2008	Teaching Assistant	University of Victoria (UVic), Canada

Research

Grants and Awards

2019 - 2021	Japanese Aerospace Exploration Agency “Derivation of Analysis Ready Data (ARD) from multisensor radar imagery for supporting global wetland mapping”. Role: Principal Investigator.
2017 – 2020	National Aeronautics and Space Administration “Methane fluxes from tropical aquatic systems: integration of measurements, hydrological and biogeochemical models and remote sensing” Role: collaborator, , PI: Prof. John Melack, University of California Santa Barbara

2018 – 2021	National Science Foundation “Aquatic metabolism and carbon dioxide flux: Linking physical and biological processes in Amazon floodplains”. Role: collaborator, PI: Prof. John Melack, University of California Santa Barbara
2018 -2020	Brazilian Research Council (CNPq) “Monitoring temporal and spatial patterns of fire regimes and fuel accumulation in Brazilian savanna protected areas: implications for developing integrated fire management strategies”. Role: Co-Investigator, PI: Dr. Alessandra Fidelis, Universidade Estadual Paulista.

Journal Publications

Key

Italics - Supervised students/Postdocs

[.underline]# Underline - Senior Authorship#

Teaching and Mentoring

Supervision

Postdoctoral researchers

Ph.D. Students

M.Sc. Students

Undergraduate Students

REI Fellowships

Honours Dissertations

Volunteer Internships

Undergraduate Research:

Thais Pereira de Medeiros. Applying unmanned aerial vehicle imagery to vegetation studies (Geography undergraduate) UNESP – Rio Claro, Co-Supervisor FAPESP IC 2019/03269-7.

Jacob Ashley. Effects of microtopography and microclimatic variation on species and functional diversity on temperate mountainous grassland. (BSc in Ecology), University of Stirling, UK.

Peter Meehan. Deriving 3-D forest and habitat structure from low cost Unmanned Aerial Vehicle imagery. (BSc in Environmental Geography), University of Stirling, UK.

Sophia Thomson. Use of GIS assessment methods to locate ideal wind-farming locations in Central Scotland. (BSc in Environmental Geography), University of Stirling, UK.

Master Students:

Isla Farrel. Using low cost unmanned aerial vehicles to estimate fuel load and vegetation regeneration after fires in a Brazilian savanna environment. Masters in Environmental Management, Faculty of Natural Sciences, University of Stirling. Start: 09/2019. Main Supervisor.

Dhemerson Estevão Conciani da Costa. History and spatial variability in the fire regime of protected areas in the State of São Paulo. Graduate Program in Ecology and Biodiversity, IB/UNESP. Start: 03/2018. Main Supervisor.

PhD Students:

Kirsten O'Sullivan. Tree species range shifts in tropical mountainous forests of Taiwan. PhD candidate, Faculty of Natural Sciences, University of Stirling. Co-Supervisor.

6) Academic Quantitative Indicators

Publications in peer-reviewed journal articles: 45 Edited books 3 Book chapters 6 Full Conference Papers > 30 Conference Abstracts > 70 Postdoctoral fellows supervised to date 2 PhD students supervised to date 3 Master's degree students supervised to date 5

Citations in ISI 768 (h=16) Citations in Scopus 852 (h=16) Citations in Google Scholar 1311 (h=19)

7) Other information

Google Scholar: <http://scholar.google.ca/citations?user=hpPTEmcAAAAJ>

Scientific and Editorial Committees:

Scientific Coordinator Network for Research on Ecology and Use of Wetland Forests in the Amazon River (Rede de Pesquisas sobre a Ecologia e Uso dos Recursos das Florestas Inundáveis da Calha do Solimões-Amazonas - RECORFLOR).

Associate Editor Global Ecology and Biogeography (IF: 5.667, JCR Ranking: 17/165 (Ecology); 2/50 (Physical Geography, ISSN 1466-8238)

Associate Editor Remote Sensing (IF: 4.118, JCR Ranking: 7/30 (Remote Sensing), ISSN 2072-4292)