Felipe de Lucia Lobo

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Undergrad in Biological Sciences at the University of São Paulo (2007) and Masters in Remote Sensing at INPE (National Institute of Space Research, 2009). Dedicated to the following topics: Land Use Change, Water Quality and Remote Sensing. A PhD in Geography (2015) from the University of Victoria (Canada), when he developed the following project: 'Spatial and Temporal Analysis of Water Siltation Caused by Artisanal Small-scale Gold Mining in the Tapajós Water Basin, Brazilian Amazon: An Optics and Remote Sensing Approach '. Between August / 2015 and Aug / 2017, he carried out a Postdoctoral Program (PDJ / CNPq) in the Remote Sensing Division at INPE, with the theme of monitoring cyanobacteria in the Amazon.

Formal Education

2016 – 2017: Post-Doc in Remote Sensing (CNPq) - INPE, SJC, SP, Brazil.

2010 – 2015: Ph.D. in Geograpy (Geosciences) – University of Victoria, Canada.

2007 – 2009: M.S. in Remote Sensing (Geosciences) - INPE, SJC, SP, Brazil.

2002 – 2006: B.S. in BioSciences – Universidade de São Paulo (USP), SP, Brazil.

Main Publications

2017 Lobo, F. L., Costa, M., Novo, E. and Telmer, K. Effects of Artisanal Small-scale Gold Mining tailings on the underwater light field in the Tapajós River Basin. Submitted to Remote Sensing (Special edition Water quality) in June 2017.

2017 D. S. F. Jorge, C. C. F. Barbosa, L. A. S. De Carvalho, A. G. Affonso, F. L. Lobo, E. M.L. Novo. Potential of orbital sensors for water color observation in threshold conditions: Case study in Amazonian optically complex lakes. Remote sensing (Water Optics and Water Colour Remote Sensing). Accepted in June 2017.

2017 Martins, V., C. Barbosa, L. de Carvalho, D. Jorge, F. Lobo, and E. Novo. 2017. Assessment of Atmospheric Correction Methods for Sentinel-2 MSI Images Applied to Amazon Floodplain Lakes. Remote Sensing 9:322. doi:10.3390/rs9040322.

2016 Lobo, F. L., M. Costa, E. Novo, and K. Telmer. 2016. Distribution of Artisanal and Small-Scale Gold Mining in the Tapajós River Basin (Brazilian Amazon) over the Past 40 Years and Relationship with Water Siltation. Remote Sensing 8 (7): 22.

2015 Lobo, F. L., Costa, M., Novo, E. Time-series analysis of Landsat-MSS/TM/OLI images over Amazonian waters impacted by gold mining activities. Remote Sensing of Environment (Special Edition on Inland waters), 2015. doi:10.1016/j.rse.2014.04.030

2014 Lobo, F. L., Costa, M., Phillips, S., Young, E., McGregor, C. Light backscattering in turbid freshwater: A laboratory investigation. Journal of Applied Remote Sensing. v. 8, p. 083611, 2014 http://dx.doi.org/10.1117/1.JRS.8.083611

2012 Lobo, F. L., Novo, Evlyn Márcia Leão de Moraes, Barbosa, Claudio Clemente Faria, Galvão, Lênio Soares. Reference spectra to classify Amazon water types. International Journal of Remote Sensing (Print). v.33, p.3422 - 3442, 2012

2011 Moschini-Carlos, V., Pompêo, M., Lobo, F. L., Meirelles, S. Impact of coal mining on water quality of three artificial lakes in Morozini River Basin (Treviso, Santa Catarina State, Brazil). Acta Limnologica Brasiliensia (Online). , v.23, p.271 - 281, 201