Lino Augusto Sander de Carvalho

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Currently a Pos-Doctorate in the National Institute for Space Research (INPE – Brazil) Dr. Lino Sander de Carvalho has an undergrad in Physics at the Federal University of Minas Gerais (2007), Master and Phd in Remote Sensing (Geoscience) in the National Institute for Space Research (INPE). His main research interest is in hydrological optics of inland and coastal waters and its remote sensing applications. His current research focuses on the particle size distribution of Amazon floodplain lakes and its relation to inherent optical properties and remote sensing data.

Formal Education

2012 – 2016: Ph.D. in Remote Sensing (Geosciences) - INPE, SJC, SP, Brazil – with a sandwich period in the university of Maine – USA.

2008 – 2010: M.S. in Remote Sensing (Geosciences) - INPE, SJC, SP, Brazil.

2002 – 2007: B.S. in Physics – Universidade Federal de Minas Gerais (MG) - Brazil.

Main Publications

2017 D. S. F. Jorge, C. C. F. Barbosa, L. A. **Sander 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).

2017 Martins, V., C. Barbosa, L.A. **Sander 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.

2017 Martins, V.S.; A. Lyapustin, L. A. **Sander de Carvalho**, L. A.; C. C. F. Barbosa,; E.M.L.M. Novo, . Validation of high-resolution MAIAC aerosol product over South America. Journal Of Geophysical Research-Atmospheres, v. 7, p. 7537-7558, 2017.

2017 Angelo, J. R., Katsuragawa, T. H., Sabroza, P. C. ; **Sander de Carvalho**, L.A.; Silva, L. H. P., Nobre, C. A . The role of spatial mobility in malaria transmission in the Brazilian Amazon: The case of Porto Velho municipality, Rondônia, Brazil (2010-2012). PLoS One, v. 12, p. e0172330, 2017.

2016 Kutser, Tiit ; Casal Pascual, Gema ; Barbosa, Claudio ; Paavel, Birgot ; Ferreira, Renato ; **Sander de Carvalho**, Lino ; Toming, Kaire . Mapping inland water carbon content with Landsat 8 data. International Journal of Remote Sensing (Online), v. 37, p. 2950-2961, 2016.

2015 **Sander de Carvalho,** L.A.; C.C.F Barbosa, E.M.L.M. Novo, C. Rudorff. Implications of scatter corrections for absorption measurements on optical closure of Amazon floodplain lakes using the Spectral Absorption and Attenuation Meter (ACSWETLabs). Remote Sensing of Environment, v. 157, p. 123137, 2015.

2015 Barbosa, C.C.F. ; Novo, E. ; Ferreira, R. ; **Sander de Carvalho,** L. A**.** ; Cairo, C. ; Lopes, F. ; Stech, J. ; Alcantara, E. . Brazilian inland water bio-optical dataset to support carbon budget studies in reservoirs as well as anthropogenic impacts in Amazon floodplain lakes: Preliminary results. ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, v. XL-7/W3, p. 1439-1446, 2015.

2014 Augusto-Silva, Pétala ; Ogashawara, Igor ; Barbosa, Cláudio ; **Sander De Carvalho**, Lino ; Jorge, Daniel ; Fornari, Celso ; Stech, José . Analysis of MERIS Reflectance Algorithms for Estimating Chlorophyll-a Concentration in a Brazilian Reservoir. Remote Sensing, v. 6, p. 11689-11707, 2014.

2011 G. Fonseca, Leila M ; L.Namikawa ; E. Castejon ; **Sander de Carvalho**, L. A.; Pinho, C. ; Pagamisse, A. . Image Fusion for Remote Sensing Applications. In: Yufeng Zheng. (Org.). Image Fusion and Its Applications. Slavka Krautzeka: InTech - Open Access Publisher, 2011, v. , p. 153-178.

2010 Papa, João P. ; Fonseca, Leila M.G. ; **Sander de Carvalho**, L. A. Projections Onto Convex Sets through Particle Swarm Optimization and its application for remote sensing image restoration. Pattern Recognition Letters, v. 31, p. 1876-1886, 2010.