

## CURRICULUM VITAE - Prof. Dr. RODRIGO LILLA MANZIONE

### 1 – Academic Formation

- BSc. Degree – Agronomist Engineer – FCA (School of Agriculture) – UNESP – São Paulo State University / Campus of Botucatu, São Paulo, Brazil. Conclusion: 11/1999
- MSc. Degree: Agronomy – FCA (Agronomic Science College) – UNESP – São Paulo State University / Campus of Botucatu, São Paulo, Brazil. Conclusion: 08/2002
- PhD Degree: Remote Sensing – (INPE) National Institute for Spatial Research – São José dos Campos, Brazil. Conclusion: 09/2007
- Habilitation: Hydrogeography and Agrometeorology – UNESP – São Paulo State University / Campus of Ourinhos, São Paulo, Brazil. Conclusion: 12/2016

### 2 – Professional record

- Faculty member at School of Natural Resources, University of Nebraska at Lincoln - SNR/UNL, USA - From 11/2020 - present
- Associated professor at São Paulo State University, School of Sciences and Engineering - UNESP/FCE, Brazil - From 02/2017 - present
- Assistant professor at São Paulo State University, Campus of Ourinhos, UNESP/CEO, Brazil - From 07/2008 - 01/2017
- Expertise areas: GIS science, statistical modelling, groundwater, water management, agrometeorology, climatology

### 3 – Research results - publications

- SILVA, C. O. F.; MATULOVIC, M.; MANZIONE, R. L. New dilemmas, old problems: advances in data analysis and its geoethical implications in groundwater management. **SN Applied Sciences**, v. 3, p. 607, 2021. doi: 10.1007/s42452-021-04600-w
- TAKAFUJI, E. H. M.; ROCHA, M. M.; MANZIONE, R. L. Spatiotemporal Forecast with Local Temporal Drift Applied to Weather Patterns in Patagonia. **SN Applied Sciences**, v. 2, p. 1001, 2020. doi: 10.1007/s42452-020-2814-0
- MAGNONI, P. H. J.; SILVA, C. O. F.; MANZIONE, R. L. Groundwater recharge and water table levels modelling using remotely sensed data and cloud-computing. **Sustainable Water Resources Management**, v. 6, p. 113, 2020. doi: 10.1007/s40899-020-00469-6
- MANZIONE, R. L.; SILVA, C. O. F.; CASTRIGNANÒ, A. A combined Geostatistical approach of data fusion and stochastic simulation for probabilistic assessment of shallow water table depth risk. **Science of the Total Environment**, online first, 2020. doi: 10.1016/j.scitotenv.2020.142743
- MANZIONE, R. L.; CASTRIGNANÒ, A. A geostatistical approach for multi-source data fusion to predict water table depth. **Science of the Total Environment**, v. 696, p. 133763, 2019. doi: 10.1016/j.scitotenv.2019.133763
- SILVA, C. O. F.; TEIXEIRA, A. H. C.; MANZIONE, R. L. agriwater: An R package for spatial modelling of energy balance and actual evapotranspiration using satellite images and agrometeorological data. **Environmental Modelling & Software**, v. 120, p. 104497, 2019. doi: 10.1016/j.envsoft.2019.104497
- SANTOS, V.; GASTMANS, D.; SÁNCHEZ-MURILLO, R.; GOZZO, L. F.; BATISTA, L. V.; MANZIONE, R. L.; MARTINEZ, J. Regional atmospheric dynamics govern interannual and seasonal stable isotope composition in southeastern Brazil. **Journal of Hydrology**, v. 579, p. 124136, 2019. doi: 10.1016/j.jhydrol.2019.124136
- SILVA, C. O. F.; MANZIONE, R. L.; ALBUQUERQUE FILHO, J. L. Combining remotely sensed actual evapotranspiration and GIS analysis for groundwater level modeling. **Environmental Earth Sciences**, v. 78, p. 462, 2019. doi: 10.1007/s12665-019-8467-x CITATIONS: Crossref (1)
- TAKAFUJI, E. H. M.; ROCHA, M. M.; MANZIONE, R. L. Groundwater Level Prediction/Forecasting and Assessment of Uncertainty Using SGS and ARIMA models: A Case Study in the Bauru Aquifer System (Brazil). **Natural Resources Research**, v. 27, p. 1-17, 2018. doi: 10.1007/s11053-018-9403-6 CITATIONS: Crossref (3) Web of Science (1)

- SILVA, C. O. F.; MANZIONE, R. L.; ALBUQUERQUE FILHO, J. L. Large-Scale Spatial Modeling of Crop Coefficient and Biomass Production in Agroecosystems in Southeast Brazil. *Horticulturae*, v. 4, p. 44, 2018. doi: 10.3390/horticulturae4040044 CITATIONS: Crossref (4) Web of Science (3) Scopus (5)

#### 4 – Ongoing research financing

- Hydrological processes spatio-temporal variability modelling and mapping at Western São Paulo State, Brazil - Bolsa de produtividade Cnpq nível 2. From 03/2021 to 02/2024

#### 5 – Ongoing supervisions

##### *Master*

- Luís Cláudio Lopes Andrade. Abordagem de monitoramento hidrológico participativo em pequenos núcleos rurais. Início: 2020. Dissertação (Mestrado profissional em Geografia) - Universidade Estadual Paulista Júlio de Mesquita Filho. (Orientador).
- Karina Abreu Finati. A atuação do CBH-AP na preservação dos recursos hídricos que abastecem a produção agrícola na região da Alta Paulista e a iniciativas de educação ambiental.. Início: 2020. Dissertação (Mestrado em Agronegócio e Desenvolvimento) - Universidade Estadual Paulista Júlio de Mesquita Filho. (Coorientador).
- Gustavo Daniel de Oliveira. Abordagem sociohidrológica para assistência técnica de projetos hídricos na agricultura. Início: 2019. Dissertação (Mestrado Profissional em Gestão e Regulação de Recursos Hídricos-PROFÁGUA) - Universidade Estadual Paulista Júlio de Mesquita Filho. (Orientador).
- Guilherme Hollo Andrade. Computação em nuvem como suporte à concessão de outorgas. Início: 2019. Dissertação (Mestrado Profissional em Gestão e Regulação de Recursos Hídricos-PROFÁGUA) - Universidade Estadual Paulista Júlio de Mesquita Filho. (Orientador).

#### 6 – Quantitative indicators

Type	Quantity
Complete papers published in scientific journals	54
Complete papers published in proceedings	52
Abstracts published in proceedings	89
Books (author and organizer)	05
Book chapters	18
Master supervisions concluded	18
PhD supervision concluded	04
Other supervision concluded (undergraduate, specialization, SI, internship)	60

#### 7 - Quotes

Source	Number of papers	Number of citations	Link
WofS	34	116	<a href="https://publons.com/researcher/1488257/rodrigo-l-manziane/">https://publons.com/researcher/1488257/rodrigo-l-manziane/</a>
SciELO	6	22	
Scopus	29	152	<a href="https://www.scopus.com/authid/detail.uri?authorId=16048164200">https://www.scopus.com/authid/detail.uri?authorId=16048164200</a>
ORCID	32	-	<a href="https://orcid.org/0000-0002-0754-2641">https://orcid.org/0000-0002-0754-2641</a>
Others	122	367	<a href="https://scholar.google.com.br/citations?user=znJ2HG4AAAAJ&amp;hl=en">https://scholar.google.com.br/citations?user=znJ2HG4AAAAJ&amp;hl=en</a>

\*source from 12/06/2021

- H factor: 6
- i10 index: 8

#### 8 – Other information

Nothing to declare