

CURRICULAR SUMMARY

NAME: VERIDIANA TEIXEIRA DE SOUZA MARTINS

1) Education/Training

Year of Completion	Title or Activity	Institution
1996	Undergraduate degree in geology	IGc-USP (Brazil)
2000	Graduate degree (MSc) in Science (tectonics)	IGc-USP (Brazil)
2002	Undergraduate degree in Geoscience Education	IGc-USP (Brazil)
2008	Graduate degree (DSc) in Science (hydrogeology)	IGc-USP (Brazil)
2015	RLA7016 – Regional Training Course on Operation Aspects of Laser Spectroscopy Units for Latin America	Isotope Hydrology Section – IAEA (International Atomic Energy Agency), Viena, Austria

2) Professional History

2002 – 2003 scholarship CNPq DTI-7G at Geochronological Research Center as senior technician (40h/week).

2003 – 2004 Lecturer at the Geoscience Institute, University of São Paulo (20h/week).

2009 – Current Assistant Professor at the Geoscience Institute, University of São Paulo (full time).

I've been a PhD (DSc) professor at IGc-USP since 2009. My research interests focus on using isotopes to investigate environmental problems related to soil, surface and groundwater contamination. I also worked in the area of natural disaster prevention, focusing on risk perception and education. As researcher, I belong to the Geochronological Research Center (CPGeo-USP), Groundwater Research Center (CEPAS-USP) and Center for Studies and Research on Disasters (CEPED-USP). Recently I've joined the National Network of Forensics Isotopes. I also coordinate two isotopes labs at the University of São Paulo, the H and O isotope lab from Groundwater Research Center and the Sr isotopes at CPGeo. I am coordinating the Geosciences and Environmental Education Degree course (IGc-USP) since 2017.

3) List of up to 10 of the most relevant scientific results

- Locosselli, G. M.; Brienen, R.; **Martins, V. T. S.**; Gloor, E.; Boom, A.; Souza, E. P.; Saldiva, P. N.; Buckeridge, M. S. Intra-annual oxygen isotopes in the tree rings record precipitation extremes and water reservoir levels in the Metropolitan Area of São Paulo, Brazil. *Science of The Total Environment*, v.743, p.140798, 2020.
- Ampuero, A.; Stríkis, N. M.; Apaéstegui, J.; Vuille, M.; Novello, V. F.; Espinoza, J. C.; Cruz, F. W.; Vonhof, H.; Mayta, V. C.; **Martins, V. T. S.**; Cordeiro, R. C.; Azevedo, V.; Sifeddine, A. The Forest Effects on the Isotopic Composition of Rainfall in the Northwestern Amazon Basin. *Journal of Geophysical Research - Atmospheres*. v.125, p.1 - 16, 2020.

- Petelet-Giraud, E.; Cary, L.; Cary, P.; Bertrand, G.; Giglio-Jacquemot, A.; Hirata, R.; Aquilina, L.; Alves, L. M.; **Martins, V. T. S.**; Melo, A. M.; Montenegro, S. M. G. L.; Chatton, E.; Franzen, M.; Aurouet, A. Multi-layered water resources, management, and uses under the impacts of global changes in a southern coastal metropolis: When will it be already too late? Crossed analysis in Recife, NE Brazil. *Science of The Total Environment*. v.618, p.645 - 657, 2018.
- **Martins, V.T.S.**; Pino, D.; Bertolo, R.A.; Hirata, R.; Babinski, M.; Pacheco, D.F.; Rios, A.P. Who to blame for groundwater fluoride anomaly in São Paulo, Brazil? Hydrogeochemistry and isotopic evidence. *Applied Geochemistry*, v. 90, p. 25-38, 2018.
- Oppitz, G.; Deblasis, P.; Lessa, A.; **Martins, V.**; Q. R. Bastos, M; Z. Scherer, Luciane; A. Petronilho, L.. Isótopos de Estrôncio no Sítio Armação do Sul, Florianópolis/SC: Resultados Parciais, Reflexões Iniciais. *Revista de Tecnologia e Ambiente*. v.21, p.121 - 139, 2015. Title in English: Strontium Isotopes at the archeological site "Armação do Sul, Florianópolis/SC: parcial results, initial reflexions.
- Bertrand, G.; Hirata, R.; Pauwels, H.; Cary, L.; Petelet-Giraud, E.; Chatton, E.; Aquilina, L.; Labasque, T.; **Martins, V.**; Montenegro, S.; Batista, J.; Aurouet, A.; Santos, J.; Bertolo, R.; Picot, G.; Franzen, M.; Hochreutener, R.; Braibant, G. Groundwater contamination in coastal urban areas: Anthropogenic pressure and natural attenuation processes. Example of Recife (PE State, NE Brazil). *Journal of Contaminant Hydrology*. v.192, p.165 - 180, 2016.
- Tavares, T.; Bertolo, R. A.; Fiume, B.; Crespi, A.; **Martins, V. T. S.**; Hirata, R. Hydrochemical investigation of barium in the public water supply wells of Sao Paulo state, southern Brazil. *Environmental Earth Sciences (Print)*. p.100 - 115, 2015.
- Cary, L.; Petelet-Giraud, E.; Bertrand, G.; Kloppmann, W.; Aquilina, Luc; **Martins, V. T. S.**; Hirata, R.; Montenegro, S.; Pauwels, H.; Chatton, E.; Franzen, M.; Aurouet, A. Origins and processes of groundwater salinization in the urban coastal aquifers of Recife (Pernambuco, Brazil): A multi-isotope approach. *Science of the Total Environment*, v.530-531, p.411 - 429, 2015.
- Maldaner, C.; **Martins, V. T. S.**; Hirata, R.; Bertolo, Reginaldo Strontium Isotopic Signature of Groundwater from Adamantina Aquifer, Bauru Basin, Brazil. *Procedia Earth and Planetary Science*, v.7, p.958 - 961, 2013.
- **Martins, V. T. S.**, Babinski, M., Ruiz, I. R., Sato, K., Souza, S. L., Hirata, R. C. A. Analytical procedures for determining Pb and Sr isotopic compositions in water samples by ID-TIMS. *Química Nova (Online)*, v.31, p.1836 - 1842, 2008. (Artigo completo)

4) Current research grants awarded by any agency or company to the researcher.

- **Project title:** Isotopic studies for identification and resolution of environmental problems related to the urbanization. Grant from CNPq (Federal agency).
- **Project Title** Geology and Hydrogeochemistry of the Hexavalent Chromium Occurrence at the Aquifer System Bauru, São José Do Rio Preto City - Turvo-Grande Watershed. Grant from FEHIDRO-CETESB (Watershed Committee and the State Environmental Agency).

5) List of ongoing supervisions, with students holding fellowships

Scientific Initiation (undergraduate students)

Ligia Stama. Caracterização Isotópica de Materiais Rochosos Para Investigações Ambientais. 2019-2020. Iniciação científica (Geologia) - Instituto de Geociências-USP. Bolsa Unificada USP (Fellowship fro USP)

Leandro Pereira do Nascimento. Análise da Evasão do Curso de Licenciatura em Geociências e Educação Ambiental. 2019-2020. Ensino de Graduação (Licenciatura em Geociências e Educação Ambiental) - Instituto de Geociências-USP. Bolsa Unificada USP (Fellowship from USP)

Doctorate Degree

Ana Paula de Jesus Rios. Isótopos de H, O, Sr e Cr aplicados ao estudo de ocorrências de Cromo no Sistema Aquífero Bauru em São José do Rio Preto, São Paulo. Instituto de Geociências (Geociências - Recursos Minerais e Hidrogeologia) - Universidade de São Paulo. Bolsa FUSP. (Fellowship from FUSP)

Master Degree

Mariza Fernanda da Silva. Estudo Geoquímico e Isotópico da Ocorrência de Alumínio, Ferro e Manganês no Reservatório Taiaçupeba (Suzano, SP). 2017. Dissertação (Geociências - Recursos Minerais e Hidrogeologia) - Universidade de São Paulo. (sem bolsa). Finished in october 2020.

6)Academic quantitative indicators.

Bibliographic Production

Journal articles.....	19
Book chapters.....	16
Works published in Congresses.....	33
Conferences presented.....	6

Technical Production

Development of didactic or instructional material.....	3
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Supervisions

Master supervisions concluded (principal supervisor)	2
Master joint supervisions concluded.....	2
Supervisions of graduation course conclusion works.....	7
Supervisions of introduction to scientific research.....	8
Supervisions of University extension program.....	6
Ongoing master supervision.....	1
Ongoing Doctoral supervisions.....	1
Ongoing supervisions of graduation course conclusion works.....	0

7) Link to the webpages MyResearcherID and/or MyCitation (Google Scholar)

ORCID: <https://orcid.org/0000-0002-5886-4974>

Lattes: <http://lattes.cnpq.br/2202735443360991>

ResearchID: <https://publons.com/researcher/2338629/veridiana-t-s-martins/>

Publications	Total times cited	H-index	Verified reviews
42	223	8	2

Research Gate: https://www.researchgate.net/profile/Veridiana_Martins/scores

RG Score	h-index	Percentile
19.79	9	72.5%

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55392499900>

Documents	h-index	Citations
15	8	264 by 239 doc.

Google Scholar: <https://scholar.google.com.br/citations?user=WYSvdGEAAAAJ&hl=pt-BR&oi=ao>

	All	Since 2015
Citations	463	324
h-index	9	9
i10-index	9	7

8) Other Information

I attended a pre-school (for six months) in Cambridge, United Kingdom, while my father was a visiting professor at the University of Cambridge (1975-1976). I also attended a public elementary school (5th grade - Duval Elementary school) for three months in Gainesville, Florida (USA), while my father was a visiting professor at the University of Florida (1983).

During my undergraduate degree in geology, I had the opportunity to spend three months at the University of Cambridge, while my father held the Simon Bolivar Professor chair, and I attended classes in two disciplines of the geology course, in the area of paleontology, one of them taught by Prof. Simon Conway Morris.

I have been coordinating the laboratory of isotopic analysis of Sr, H and O, from the Center of Geochronological Research (CPGeo/USP), since August 2010 and the isotope of H and O laboratory of the Center for Groundwater Research (CEPAS/USP) since 2013. I'm currently the coordinator of the undergraduate course of Geosciences and Environmental Education.

The H and O isotope lab under my responsibility was approved in the WICO-IAEA test, two times. Because of that, I was invited to participate in a group, to discuss and create a protocol for best practices in H and O isotope labs using lasers machines. This group was formed by the top five isotope labs in Latin America and Caribbean area (2019).

I also was invited to present a Conference about "Lead isotopes applications" at the (1st National Workshop of Forensics Isotopes, organized by the Brazilian Federal Police, which happened in November 2019).

I was invited to give an Interview for IAEA Office of Public Information and Communication, regarding “The Registration Open: IAEA Offers Laboratories to Test their Capacity for the Isotopic Analysis of Water” (2019) (<https://www.iaea.org/newscenter/news/registration-open-iaea-offers-laboratories-to-test-their-capacity-for-the-isotopic-analysis-of-water>).

I also Was invited to participate as moderator at the First Virtual Thematic Workshop of the Young Scientists from China-Latin America & Caribbean, about Groundwater and Isotopes (<http://www.abc.org.br/2020/08/13/workshop-tematico-virtual-yipa-tyan-aja/>), supported by the Brazilian Academy of Sciences. (2020).