



**ANDRÉA ROCHA DA SILVA**  
**Analytical Chemist**  
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**EDUCATION**

Federal Fluminense University (UFF) – Niterói – Brazil, PhD.  
Environmental Geochemistry, 2009

FUNCEFET – RJ- Brazil, MBA - Integrated Management in QHSE  
(Quality, Health, Safety and Environmental) in the Industry of the  
Petroleum, 2009

Federal Fluminense University (UFF) – Niterói - Brazil, Graduated in  
Industrial Chemistry, 2005

Federal Fluminense University (UFF) – Niterói – Brazil, MSc –  
Geosciences, 2003

Federal Technical school of Chemistry - ETFQ/RJ, Chemical technician,  
1993

**PROFESSIONAL EXPERIENCE**

TDI-Brooks International, Inc., College Station, TX, Analytical  
Chemist, November 2010-Present

GSI-Brooks - Geochemical Solutions International Brasil Ltda, Rio de  
Janeiro, Brazil, 2006 - present

Supervisor Board, responsible for the technical documentation and data  
collection in offshore oil activities, 2009

Technical board assistant on chemistry and geochemical data collections  
of samples of seawater (Niskin and Go-Flo Bottles), marine sediments  
(Box-core, piston coring) and heat flux from the ocean floor, 2006 to  
2009.

Assistant of HSE supervisor on shipboard R/V Gyre, MV Oceansatpeg I,  
MV Inspector, RV Emma McCall and Rylan T, 2006 to 2009

Auxiliary Professor, Santa Úrsula University, Department of Engineering  
- Graduate Classes taught: Lesson of Inorganic Chemistry (theoretical  
and lab), 03/2003 to 03/2004



## PROFESSIONAL TRAINING

TDI-Brooks International, College Station, TX

- Training in Geotechnical, Geochemical and Environmental Lab, 2010 - Present
- Radiological Safety Training, 2011
- Ship Security, Safety at Sea, Hazcom, ISM Code/SMS and Hearing Conservation, 2011

Getúlio Vargas Foundation (FGV Management), Project Management, 2009

Instituto Nacional de Pesquisas Espaciais (INPE), SP, BRAMS Atmospheric model course, 2008

Federal Fluminense University (UFF), Environmental Chemistry, 2004

Federal University of Rio Grande do Norte, Environmental Management, 1999

Federal Fluminense University (UFF), Wastewater, 1998

Federal Technical school of Chemistry, RJ, Introduction to Liquid Chromatography, 1996

Federal Fluminense University (UFF), Atomic Absorption, 1995

## RESEARCH EXPERIENCE

Project Managé: Recovery of the basin of the river Itapaboana.  
Coordinator: Angela Maria Abreu de Barros UFF, Brazil. Supported by MMA (Ministry of the environment) <http://www.manage.org.br>  
Activity: Microbiological analysis and chemistry of riverwater, 1997-1998

Modality: Technological initiation Industrial Area of the knowledge: Guarantee of Quality control Institution: Bio-Rio foundation - Pharmaceutical Industry Simões Supported by CNPq- RHAЕ (Brazil) Development of techniques for pharmaceutical substance identification, 1995-1997

## PARTICIPATION IN CONFERENCES AND SCIENTIFIC MEETINGS

Rocha-Silva, A; de Mello, W. Z. Atmospheric deposition of inorganic and organic nitrogen in agricultural area in the Rio de Janeiro state, Brazil. In: *I Environmental Geochemistry meeting*, 2008 – Federal Fluminense University, 2008, Niterói, Rio de Janeiro.

Rocha-Silva, A; de Mello, W. Z. Dissolved organic nitrogen deposition on agricultural and urban environments in the Rio de Janeiro state, Brasil. In: *Nitrogen 4<sup>th</sup> Conference, Costa do Sauípe*, 2007, Bahia, Brazil.

Rocha-Silva, A; de Mello, W. Z. Rainwater organic and inorganic in the metropolitan region of Rio de Janeiro, Brazil. In: *Atmospheric Chemistry at the interfaces 2006 – Joint CACGP/IGAC/ WMO Symposium*, 2006, Cape Town, South Africa.

Rocha-Silva, A; de Mello, W. Z. Organic Nitrogen in precipitation in the Southeastern Brazil. In: *8th International Conference on Southern Hemisphere - Meteorology and Oceanography*, 2006, Foz do Iguaçu.

Rocha-Silva, A; de Mello, W.Z. Nitrogênio Orgânico e Inorgânico em Águas de Chuva. In: *X Congresso Brasileiro de Geoquímica dos Países do Mercosul*, 2005, Porto de Galinhas – Pernambuco. X Congresso Brasileiro de Geoquímica e II Simpósio de Geoquímica dos Países do Mercosul, 2005.

Rocha-Silva, A; de Mello, W. Z. Comportamento das formas orgânicas e inorgânicas de N e P no baixo curso do rio Campo Belo, Itatiaia, RJ. In: *XXVI Congresso Latinoamericano de Química e 27<sup>a</sup>. Reunião Anual da Sociedade Brasileira de Química*, 2004, Salvador, BA. Livro de Resumos. São Paulo – SP: Sociedade Brasileira de Química, 2004.

Rocha-Silva, A; de Mello, W.Z; Almeida, M.D. Organic Nitrogen and Phosphorus and major íons in the lower course of Campo Belo, Itatiaia, (RJ) Brazil. In: *4th International Symposium Environmental Geochemistry in Tropical Countries*, 2004. p. 174-176.

Rocha-Silva, A; de Mello, W.Z. Fluxos de N e P orgânicos e íons majoritários no baixo curso do rio Campo Belo Itatiaia, RJ – Avaliação das contribuições antrópicas e naturais. In: *XVI Seminário Interno de Geoquímica*, 2003, Niterói. XVI Seminário de Interno de Geoquímica, 2003.