

ABOUT

A geoscience professional looking forward to solving scientific-industrial problems by developing creative solutions through highly adaptive and proactive work. I have large experience in working at multidisciplinary projects for technological innovation in geosciences, specially when related to geological modelling and applied research. I am always curious about learning new subjects and open to accept new challenges.

EDUCATION

ONGOING PhD IN GEOCHEMISTRY AND GEO-MODELLING
2019 - 2022.1 | Universidade Federal Fluminense - UFF

MASTER DEGREE IN GEOLOGY
2017 - 2019 | Universidade Federal do Rio de Janeiro - UFRJ

DEGREE IN GEOLOGY
2010-2016 | Universidade Federal do Rio de Janeiro - UFRJ

ONE-YEAR INTERNATIONAL UNDEGRADUATE SCHOLARSHIP
2014 | University of Queensland - UQ - Australia

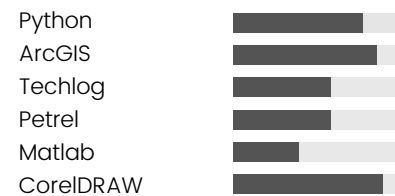
CURRENT ACTIVITY

PhD researcher at the "PR3 Project" - Petrobras in partnership with the Laboratório de Oceanografia e Paleoceanografia (LOOP - UFF). PR3 is an Applied Research Project (ARP) for technology development that aims to create an organic facies prediction plug-in for a commercial stratigraphic forward modelling software (StratBR, owned by Petrobras).

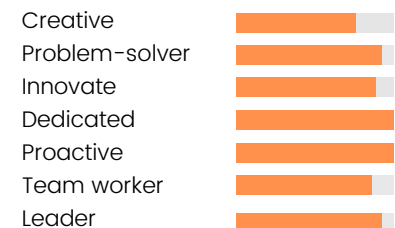
My attributions within this project are:

- Data interpretation, spatialization and modelling (well log, seismic, geochemical and other geological data);
- Software development - team management, conceptual model, code writing (Python) and QAQC;
- Meeting with company's decision-makers to align needs and maximize the integration between our plug-in to the main software (StratBR);
- Creating the sequence stratigraphy framework of a mid/Late Cretaceous marine interval within the Espírito Santo Basin (SE Brazil), to build a 3D stratigraphic model;
- Mentoring undergraduate students (geology, geophysics and computer science students) that are developing activities within the PR3 Project.

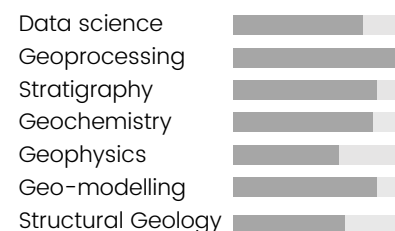
TECHNICAL SKILLS



PERSONAL SKILLS



STUDY AREAS



LANGUAGES

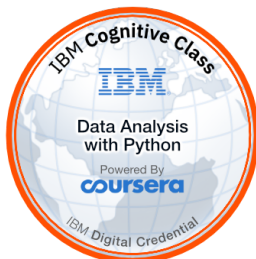


SCIENTIFIC PUBLICATIONS

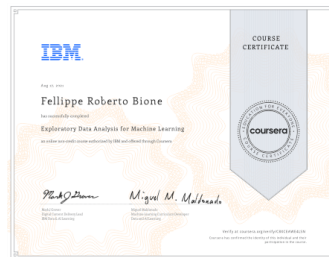
- 2021** Santos T.P., **Bione F.R.A.**, Díaz R.A., Bernardes M.C., Moreira M., Venancio I.M., Franco D.R., Belem A.L., Lisboa L.P., Leonardo N.F., Souza I.V., Albuquerque A.L.S and PR-3 Team. 2021. **Late Cretaceous astrochronology, organic carbon evolution, and paleoclimate inferences for the subtropical western South Atlantic, Espírito Santo Basin.** Cretaceous Research, 129: 105032. <https://doi.org/10.1016/j.cretres.2021.105032>
- 2021** Venancio I. M., Belem A. L., Santos T. P., Lessa D.O., **Bione F.R.A.**, Díaz R., Bernardes M.C., Souza I.V.A.F., Coutinho L.F.C., Albuquerque A. L. S., and PR-3 Team. 2020. **Temporal and spatial differences between predicted and measured organic carbon in South Atlantic sediments: constraints to organic facies modelling.** Marine and Petroleum Geology, under review.
- 2019** **Bione F.R.A.**, Bongiolo E.M., Mendes J.C., Roland C.L. 2019. **Geochemistry, Sm-Nd isotopes and SHRIMP U-Pb geochronology of the Morro do Coco Granite (RJ, Brazil): another piece of the post-collisional magmatism of the Ribeira Belt.** Braz. J. Geol., 49(3): e20190010. <http://dx.doi.org/10.1590/2317-4889201920190010>.
- 2016** Nascimento D.B., Bongiolo E.M., **Bione F.R.A.**, Kutterolf S. 2016. **Resultados preliminares obtidos a partir da contagem de pontos de rochas vulcanoclásticas da região do Rear Arc de Izu-Bonin-Mariana (Expedição 350 do IODP).** In: 48 Congresso Brasileiro de Geologia, 2016, Porto Alegre. Resultados preliminares obtidos a partir da contagem de pontos de rochas vulcanoclásticas da região do Rear Arc de Izu-Bonin-Mariana (Expedição 350 do IODP). Porto Alegre: Editora da UFRGS, 2016. v. 1.

ISSUED ONLINE CERTIFICATES

2021



Data Analysis with Python
IBM – Issued by Coursera
13 hours



Exploratory Data Analysis for Machine Learning
IBM – Issued by Coursera
8 hours

OTHER COURSES

- 2021** **DIONISOSFLOW TRAINING**
DIDIER GRANJEON and BENOIT CHAUVEAU - IFP ENERGIES NOUVELLES
6 hours
- 2019** **STRATIGRAPHIC FORWARD MODELLING: A SHORT INTRODUCTION TO DIONISOSFLOW**
BENOIT CHAUVEAU - IFP ENERGIES NOUVELLES
16 hours
- 2016** **OFFSHORE DRILLING TECHNIQUES**
ALPHONSE GRYNKO - TOTAL Professeurs Associés & TOTAL E&P do Brasil
20 hours