

GLAUCO MACEDO SOUSA

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EDUCATION

PhD Geophysics. University of Wyoming, USA. **Aug.2025 – Present**

Advisor: Dr. Dario Grana

M.S. Geophysics. Universidade Federal da Bahia, Brazil. **2013**

Advisor: Amim Bassrei

Thesis Title: Influence of Low-frequency Components on the Characterization of Seismic Anomalies: A Comparison Between AVO and Elastic Inversion Techniques.

B.S. Geology. Universidade do Estado do Rio de Janeiro, Brazil. **2005**

Thesis Title: Ground-Penetrating Radar survey in coastal ridges for the study of analog reservoirs: A case study in the municipality of Marataízes (ES).

Advisor: Paulo de Tarso Luiz Menezes

PROFESSIONALEXPERIENCE

Geophysicist in Seismic Interpretation. Petrobras, Brazil. **2006 – 2023**

Conducted geological and geophysical interpretation of Brazil's major sedimentary basins (Santos, Campos, and Espírito Santo) and international sedimentary basins (Douala & Gabon - São Tomé and Príncipe, Guajira - Colombia, Orange -Namibia). Performed salt interpretation to support velocity model building in PSDM projects

Geophysicist in Quantitative Interpretation. Petrobras, Brazil. **2023 – 2024**

Applied AVO and elastic inversion for facies and fluid identification in siliciclastics and carbonate reservoirs

Geophysicist Interpreter Exploration. Starfish Oil and Gas, Brazil. **2005 - 2006**

Conducted seismic interpretation for prospect generation in the Recôncavo Basin

COMPLEMENTARY COURSES

Artificial Intelligence Applied to Geoscience **2023 - 2024**

Universidade Petrobras and UFMG, Rio de Janeiro and Belo-Horizonte, Brazil

Short Courses in Geophysical Sciences **2014**

University of Houston, Texas, USA.

Advanced Geophysical Science **2009**

Universidade Petrobras, Rio de Janeiro, Brazil

Introductory Course in Geophysical Science **2006**

Universidade Petrobras, Rio de Janeiro, Brazil

SCHOLARSHIPS

Agência Nacional do Petróleo, UERJ

2003 - 2005

LANGUAGES

Portuguese: Native speaker

English: Advanced

COMPUTER SKILLS

Microsoft Office, Python, MATLAB, Aspentech, Latex

PUBLICATIONS

Sousa, G.M., Varela, C.L., Carvalho, P.M., Bassrei, A. *Influence of Low-Frequency Components in the Characterization of Seismic Anomalies: A Comparison Between AVO and Elastic Inversion Techniques*, SEG Technical Program Expanded Abstracts 2013, 52-58

Sousa, G.M., Varela, C.L., Carvalho, P.M., Bassrei, A. *Comparative Analysis Between AVO and Elastic Inversion Emphasizing the Influence of Low-Frequency Components in the Characterization of Seismic Anomalies*, SEG Global Meeting Abstracts 2013, 1211-1216

Sousa, G.M., Menezes, P.T.L., Della Fávera, J.C., Medeiros, M.A.M. *GPR Aplicado ao Estudo de Reservatórios Análogos. Estudo de Caso em Cordões Litorâneos do Delta do Rio Itapemirim (ES), Resultados Preliminares*, 9th International Congress of the Brazilian Geophysical Society & EXPOGEF 2005, 2274

PUBLICATIONS

Society of Exploration Geophysics.

2013 – 2015

European Association of Geoscientists & Engineers

2013 – 2015