

14 – DEPÓSITOS DE SULFETOS METÁLICOS NO FUNDO OCEÂNICO *DEPOSITS OF METALLIC SULPHIDES ON THE OCEAN BOTTOM*

Sidney L. M. Mello

Thaise M. Senez-Mello

Laboratório de Geologia Marinha

Universidade Federal Fluminense - UFF

Resumo

Este capítulo trata dos depósitos hidrotermais de sulfetos metálicos no fundo dos oceanos a partir de uma revisão da literatura. O foco desta revisão está no processo de formação dos depósitos em diferentes ambientes geológicos, métodos de investigação e importância das jazidas minerais. A revisão cobre ainda aspectos sobre a biodiversidade em torno dos sítios hidrotermais e os prováveis impactos ambientais na prospecção mineral empregando novas técnicas de extração mineral em oceano profundo.

Palavras-chave: depósitos hidrotermais, sulfetos metálicos, fundo oceânico.

Abstract

This chapter deals with the hydrothermal deposits of metallic sulfides on the ocean floor from a literature review. This review focuses on the formation process of deposits in different geological environments, investigation methods, and the importance of mineral deposits. The review also covers aspects of biodiversity around hydrothermal sites and the likely environmental impacts on mineral prospecting using new deep ocean mineral extraction techniques.

Keywords: hydrothermal deposits, metallic sulfides, ocean bottom.

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Sobre os Autores

Sidney L. M. Mello

Geólogo e MSc em geologia marinha pela Universidade Federal do Rio de Janeiro (UFRJ); pesquisador visitante no Lamont-Doherty Earth Observatory da Universidade de Columbia, NY, EUA; PhD em Ciências da Terra pela Escola de Ciências da Terra da Universidade de Leeds, Reino Unido e estágio de pós-doutorado na Universidade da Bretanha Ocidental, Brest, França. Representante do Brasil em Comissões Internacionais nas áreas de Geologia e Geofísica marinha, ex-membro do comitê executivo da Coordenação de Aperfeiçoamento de Pessoal de Nível Superior/CAPES/ Ministério da Educação no Programa Internacional de Perfuração dos Oceanos (IODP). Professor Titular na Universidade Federal Fluminense.

E-mail: smello@id.uff.br

ORCID: [0000-0003-4977-558X](https://orcid.org/0000-0003-4977-558X)

Thaise Machado Senez-Mello

Bióloga graduada pela Faculdade Maria Theresa (FAMATH), Mestre em Biologia Marinha pela Universidade Federal Fluminense (UFF), no Laboratório MICROMAR e Doutora em Biogeoquímica Marinha pelo programa de Dinâmica dos Oceanos e da Terra, no LAGEMAR, UFF. Pós doutoranda no Instituto de Estudos do Mar Almirante Paulo Moreira (IEAPM). Membro editorial do jornal *Frontiers in Marine Science*, Researcher Ambassador da plataforma Researcher (Translation & Innovation Hub, Imperial College, Londres). Atua também como tradutora, editora e agente de submissão de revistas científicas. Associada ao Council of Rosalind Members (London Journals Press, Reino Unido). Membro da Academia Brasileira de Ciências, Artes, História e Literatura (cadeira 81) ABRASCI.

DEPÓSITOS DE SULFETOS METÁLICOS NO FUNDO OCEÂNICO

E-mail: thaise_senez@id.uff.br

ORCID: [0000-0002-2246-7117](https://orcid.org/0000-0002-2246-7117)