



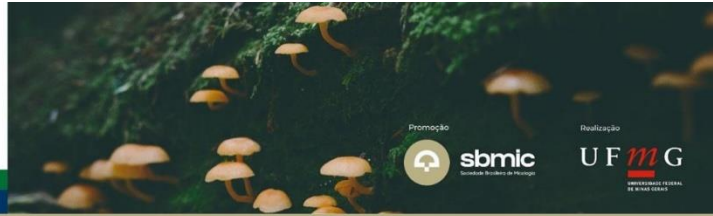
TCCE ICMBio / VALE
COMPENSAÇÃO ESPELEOLÓGICA

“O gênero *Cladosporium* do Monumento Natural da Serra Da Ferrugem, Minas Gerais”, apresentado pela estudante de doutorado Ana Flávia Leão.



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Universidade Federal de Minas Gerais - Belo Horizonte - MG



THE *Cladosporium* GENUS FROM THE MONUMENTO NATURAL DA SERRA DA FERRUGEM, MINAS GERAIS

O GÊNERO *Cladosporium* DO MONUMENTO NATURAL DA SERRA DA FERRUGEM, MINAS GERAIS

Ana Flávia Leão¹; Thiago de Oliveira Condé²; Fabio Alex Custodio²; Olinto Liparini Pereira³

¹Bolsista de doutorado, ²Bolsista de pós-doutorado, ³Docente - Universidade Federal de Viçosa

INTRODUCTION

The Serra do Espinhaço Meridional (SEM) is one of the main geological formations in Brazil and is home to diverse caves with different rock formation. A recent study described two new cavernicolous *Cladosporium* species from the SEM: *Cladosporium diamantinense* and *Cladosporium speluncae*. The genus *Cladosporium* belongs to the family *Cladosporiaceae*, and includes species ranging from saprophytes, endophytes, and pathogens to plants, humans, and other animals.

OBJECTIVE

This study aimed to identify cladosporium-like isolates found in the air, soil, litter, plant roots, and rock samples from ferruginous caves in the Serra do Espinhaço Meridional.

METHODS



Acknowledgments



RESULTS



Bayesian inference tree from ITS sequences of *Cladosporium* species

A total of 36 isolates were obtained, involving 20 isolates from air, 3 from root samples, 11 from litter, 1 from soil, and 1 from rocks.



CONCLUSION

Species of the genus *Cladosporium* are widely used in biotechnology and are frequently reported in caves worldwide, with several new species being described in these environments. Our findings expand the records of the genus *Cladosporium* in caves and provide insight into the possible fungal taxonomic novelties found in these environments.

Termo de compromisso



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