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摘要:

本文研究的是笔者等在冀西北长城系申岭沟组宣龙式铁矿层中发现的微体植物化石, 这些化石都保存在铁质形石(鲕状赤铁矿)的基本层中。微化石以丝状体为主, 部分为球状体。归属于原核生物蓝藻门颤藻科的两个属和色素年龄约在1800—1757Ma。这些化石与北美冈弗林特组微化石比较, 既有些相似, 又有些区别。该化石的发现为研究层位对比都很有意义。

关键词: [铁矿](#) [矿层](#) [微体植物化石](#)

DISCOVERY AND SIGNIFICANCE OF MICROFOSSILS FROM THE CHANGCHENGIAN XUANLONG-TYPE IRON NORTHWESTERN HEBEI [Download Fulltext](#)

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Abstract:

Microfossils discovered first in the Xuanlong--type iron formation in north-western Hebei are They are well preserved in the basic laminae of iron stromatolites ("kedney hematite") and the concentric oncolites ("oolitic hematite") in the lower part of the Chuanlinggou Formation of the Changcheng S include filamentous and partly spheroidal forms and form stromatolite--building mats. There are three which may be classified as Oscillatoriaceae and Chroococcaceae of prokaryote Cyanophyta. The isotopic bearing horizon is about 1800--1757 Ma. They show obvious differences from and some similarities to Gunflint Formation of North America. The discovery of the microfossils is of important significance categories in iron formations. studying the origin of iron and indicating sedimentary environments a correlation.

Keywords: [Xuanlong type iron](#) [kedney hematite](#) [Chuanlinggou Formation](#)

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