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## Soil Education Course Additional Resources & Readings

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### Chapter 2 Resources

Bacteria – NASA Mars Rover Clean Room Article

“Planetary Protection Technologies.” NASA, NASA, 2020,

[www.mars.nasa.gov/mer/mission/technology/planetary-protection/](http://www.mars.nasa.gov/mer/mission/technology/planetary-protection/).

Calcium-Storing Fungi Research.

Cromack, Kermit, et al. “Calcium Oxalate Accumulation and Soil Weathering in Mats of the Hypogeous Fungus *Hysterangium Crassum*.” *Soil Biology and Biochemistry*, Pergamon, 12 Nov. 2002,

[www.sciencedirect.com/science/article/abs/pii/S0038071779900038](http://www.sciencedirect.com/science/article/abs/pii/S0038071779900038).

New York Botanical Garden - Short Read on Mycorrhizal Fungi

“Hidden Partners: Mycorrhizal Fungi and Plants.” *NYBG.org*, 2003,

[www.sciweb.nybg.org/science2/hcol/mycorrhizae.asp.html](http://www.sciweb.nybg.org/science2/hcol/mycorrhizae.asp.html).

Quick read on Mycorrhizal Fungi

“Why and How to Improve Grass Roots with Mycorrhizal Fungi.” *Pennington Seed, Inc.*, 2019,

[www.pennington.com/all-products/fertilizer/resources/mycorrhizal-fungi-creates-healthy-lawns](http://www.pennington.com/all-products/fertilizer/resources/mycorrhizal-fungi-creates-healthy-lawns).

Quick read on Fungi and its Importance in Soil Microbiology.

“Fungi: What Is Microbiology?” *What Is Microbiology?* | *Microbiology Society*, 2020,

[www.microbiologysociety.org/why-microbiology-matters/what-is-microbiology/fungi.html](http://www.microbiologysociety.org/why-microbiology-matters/what-is-microbiology/fungi.html).

General Mold Information

“Is It Safe to Eat That Moldy Bread?” *Imagination Station Studio*, 2020,

[www.imaginationstationtoledo.org/educator/activities/is-it-safe-to-eat-that-moldy-bread](http://www.imaginationstationtoledo.org/educator/activities/is-it-safe-to-eat-that-moldy-bread).

A quick read on symbiotic and mutualistic relationships:

“Fungi Symbiosis.” *CK-12 Biology For High School*, 2020,

[www.flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/8.14/primary/lesson/symbiotic-relationships-of-fungi-bio](http://www.flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/8.14/primary/lesson/symbiotic-relationships-of-fungi-bio).

## Chapter 2 Recommended Readings

**Mycorrhizal Functioning: An Integrative Plant-Fungal Process**, Michael F. Allen, editor.

<https://www.amazon.com/Mycorrhizal-Functioning-Integrative-Plant-Fungal-Process/dp/0412018918>

Allen, Michael F. *Mycorrhizal Functioning: an Integrative Plant-Fungal Process*. Chapman and Hall, 1992.

**Mycorrhiza Manual** A. Varma Edition, Springer Lab Manual

<https://www.amazon.com/Mycorrhiza-Manual-Springer-Lab-Manuals/dp/3540624376>

Varma, Ajit. *Mycorrhiza Manual*. Springer, 1998.

**Introduction to Fungi**, 2nd Edition, John Webster

[https://www.abebooks.com/servlet/BookDetailsPL?bi=30223934990&cm\\_mmc=ggl--COM\\_Shopp\\_Rare--naa--naa&gclid=EAlalQobChMliogJta3Q6glVQyCtBh01bglqEAOYBCABEgJs-PD\\_BwE](https://www.abebooks.com/servlet/BookDetailsPL?bi=30223934990&cm_mmc=ggl--COM_Shopp_Rare--naa--naa&gclid=EAlalQobChMliogJta3Q6glVQyCtBh01bglqEAOYBCABEgJs-PD_BwE)

Webster, John, and Roland Weber. *Introduction to Fungi*. Cambridge University Press, 2007.

**Metal Ions in Fungi** by Wikeminn & Winge, a great reference textbook.

[https://www.amazon.com/Metal-Fungi-Mycology-Gunther-Winkelmann/dp/082479172X/ref=sr\\_1\\_1?dchild=1&keywords=Metal+Ions+in+Fungi&qid=1594061556&sr=8-1](https://www.amazon.com/Metal-Fungi-Mycology-Gunther-Winkelmann/dp/082479172X/ref=sr_1_1?dchild=1&keywords=Metal+Ions+in+Fungi&qid=1594061556&sr=8-1)

Winkelmann Günther, and Dennis R. Winge. *Metal Ions in Fungi*. Marcel Dekker, 1994.

## Earthfort Resources

**Our Available Testing Kits & Pricing Information:**

<https://www.earthfort.com/biology-soil-testing-packages/>

**Earthfort Products:**

<https://www.earthfort.com/earthfort-products/>

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<https://www.linkedin.com/company/earth-fortification-supplies-company>