

Further Reading List for London Lecture: 'The Hidden Colours Inside Volcanoes'

John Maclennan, University of Cambridge

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The reading list can also be found at <http://www.geolsoc.org.uk/insidevolcanoes>

Popular Articles and Resources

1. Background Information on Microscopy
 - a. Optical petrography and ore microscopy
<http://www.bgs.ac.uk/sciencefacilities/laboratories/mpb/opticalOre.html>
 - b. An introduction to thin sections
http://geology.isu.edu/geostac/Field_Exercise/Cassia_mtns/thinsect.html
 - c. Virtual Microscope – An online Earth Science Project aimed at broadening access to rock collections currently held in museums and other institutions.
<http://www.virtualmicroscope.org/>
 - d. International Year of Light Blog – Optical Mineralogy – not just for making pictures
<http://light2015blog.org/2015/07/23/optical-microscopy-not-just-for-making-pictures/>
2. How microscopy can supplement understanding
 - a. Volcanoes and Vents – Throwing Light on the Problem
http://www.venturedeepocean.org/vents/thin_sections.php
 - b. Grimsvotn eruption, Iceland, 2011 – Preliminary findings of the UK volcanic ash collection network
<http://www.bgs.ac.uk/discoveringGeology/hazards/volcanoes/grimsvotn2011.html>
3. Volcanic Rocks and Igneous Geology
 - a. Geological Society – Resource Page on Volcanoes

<http://www.geolsoc.org.uk/volcanoes>

- b. USGS VHP Photo Glossary: Volcanic rocks

<https://volcanoes.usgs.gov/images/pglossary/VolRocks.php>

- c. Geology.com - Pictures of Intrusive and Extrusive Igneous Rock Types

<http://geology.com/rocks/igneous-rocks.shtml>

- d. Volcanic Rocks in Thin Section

http://jm-derochette.be/volcanic_rocks.htm

- e. Textures of Igneous Rocks in Thin Section

http://www.d.umn.edu/~mille066/Teaching/5310_09/Texture%20of%20Igneous%20Rocks.pdf

- f. Department of Earth Sciences, University of Oxford - Rocks under the microscope –

<http://www.earth.ox.ac.uk/~oesis/micro/>

- g. Imperial College Rock Library – Glossary: Pyroclastic Rocks

<https://wwwf.imperial.ac.uk/earthscienceandengineering/rocklibrary/viewglossrecord.php?Term=pyroclastic%20rock>