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Lime in the Limelight

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Lime is one of the most versatile chemicals in the world. There are two main types of lime produced, quicklime and hydrated lime. Quicklime is formed during the calcination of limestone. Hydrated lime results from subsequent hydration of quicklime where required. Lime has been innovatively rediscovered to be a more environmentally sustainable product aiding in the implementation of new cleaner systems from, remediation of acid mine draining to key uses in water source treatment. Further research has been undertaken to investigate new roles for lime as an antimicrobial compound and environmentally friendly biocide. The uses of lime have evolved steadily over time; this is thought to be due to its ease of acquisition, affordable price and unique versatile properties. The aim of this literature review is to provide an informed view on the current application of lime and its potential novel uses in the future.

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