

## Accepted Manuscript

Title: Infrared and ultraviolet laser removal of crustose lichens on dolomite heritage stone

Author: Mikel Sanz Mohamed Oujja Carmen Ascaso  
Asunción de los Ríos Sergio Pérez-Ortega Virginia  
Souza-Egipsy Jacek Wierzchos Mariela Speranza Maria Vega  
Cañamares Marta Castillejo



PII: S0169-4332(15)00853-3  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2015.04.013>  
Reference: APSUSC 30106

To appear in: *APSUSC*

Received date: 26-1-2015  
Revised date: 26-3-2015  
Accepted date: 2-4-2015

Please cite this article as: M. Sanz, M. Oujja, C. Ascaso, A. Ríos, S. Pérez-Ortega, V. Souza-Egipsy, J. Wierzchos, M. Speranza, M.V. Cañamares, M. Castillejo, Infrared and ultraviolet laser removal of crustose lichens on dolomite heritage stone, *Applied Surface Science* (2015), <http://dx.doi.org/10.1016/j.apsusc.2015.04.013>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- Laser irradiation at 1064 nm (IR) or 355 nm (UV) partially removes epilithic lichens on dolostone.
- Irradiation in a sequential, dual IR-UV mode efficiently eliminates lichen thalli.
- Dual IR-UV irradiation mode induces severe damage on endolithic colonizers of dolostone.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/5354829>

Download Persian Version:

<https://daneshyari.com/article/5354829>

[Daneshyari.com](https://daneshyari.com)