

SPECIAL ISSUE ON
A CAL NA CONSTRUÇÃO - V JORNADAS FICAL
(Lime in construction – V JORNADAS FICAL)

The Journal Ambiente Construído will produce in 2018 a Special Edition on Lime in construction, in its several aspects: i) Lime as historical material; (ii) Lime as a traditional material; iii) Lime as an ecological and healthy material; iv) Lime as an innovative material; v) Lime in conservation and rehabilitation.

Lime has been used in construction since immemorial times, in mortars, decorations and paintings. So it is a material permanently linked to the historical - cultural heritage, be it monumental or vernacular.

For millennia lime is produced from identical raw materials, although by processes that have evolved over time. The preparation and application of lime, and consequently the characteristics obtained, vary according to the type of use and according to the tradition of the place, but with common aspects: a very workable and moldable material, clear and fine, with hygroscopic and disinfectant capacities, very durable. It is strongly marked by the human factor, the knowledge and the craft. Lime is also a material with great capacity for innovation, making nowadays part of many advanced solutions, such as: nanostructured materials based on lime, liquid mortars, insulating mortars, among others.

Despite the long tradition of use, the many existing testimonies of historical applications that confer almost endless possibilities of study, and the increasing number of research papers that deal with this material in its various aspects, lime and lime-based materials have always more mysteries to unveil, putting to the science and to the ingenuity of the interested parties a diversity of new challenges.

All the articles to be submitted were presented at the V Jornada FICAL event, which took place in 2016, May 23-25, in Lisbon, Portugal, at LNEC (National Civil Engineering Laboratory), with joint organization of LNEC and the Forum Ibérico da Cal (Iberian Lime Forum).

FICAL - FORUM IBÉRICO DA CAL (www.fical.org) is a non-profit association whose objective is the development of research, training and dissemination of the production and use of lime. In pursuit of these objectives FICAL has promoted, together with academic, research and training institutions, the organization of Jornadas da Cal (Lime Journeys). The V Jornadas FICAL were organised in this context, for the first time in Portugal, following the four previous Conferences organized in Spain.

The invited articles were subjected to previous analysis and selection by the Scientific Committee of the V Jornadas Fical (<http://vfical.lnec.pt/>) and were updated and deepened by the authors for submission to the journal Ambiente Construído.

The main themes involved in the special edition are:

- Lime and lime mortar - general, social and technical issues
- Cal - Artisanal manufacture and associated characteristics
- Cal in its different uses: Archaeological and historical mortars, mural painting, conservation and restoration, innovative uses of lime

All articles will be evaluated according to the usual procedures of the Journal by at least two reviewers, chosen from among the members of the Editorial Board or from the body of invited reviewers of the Journal, according to the following schedule:

- (a) Submission of articles: until 15.12.2017
- (b) Evaluation by the Editorial Board: until May 15,
- (c) Presentation of the final version of the articles: until 15.06.2018
- (d) Publication of the Journal: 01.10.2018

Submission address:

<http://www.seer.ufrgs.br/index.php/ambienteconstruido/about/submissions>

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