

SPECIAL EDITION WASTES AS BUILDING MATERIALS

The journal *Ambiente Construído* will produce a New Special Number about the use of wastes as building materials in 2020 (preferably in English). This action is coordinated by ANTAC (Brazilian Association of Technology of the Built Environment), sub-group (WorkGroup - Wastes).

We seek for the high-quality and original articles that can contribute to the advance of the knowledge on this topic. This New Special Number of *Ambiente Construído* is intended to:

- 1) Part of the conference articles presented in our national meeting (6th National Meeting on Construction Waste Utilization - ENARC2019) will be indicated by the scientific committees and it will be invited to extend the version of the articles.
- 2) This call for articles submission is also extended for all researches around the world that is dealing with this topic.

We highlight some interested themes for this special number publication:

- Waste management (diagnostics, materials flow, composition, waste management strategies, reverse logistics, economic analysis/ business models, risk analysis, waste generations indicators, information trackability, wastage, Design for deconstruction, dismantling of buildings, policy, legislation);
- Processing of wastes (equipment, processing techniques, separability, processing flowcharts, sequence of recycling operations, mobile plants, case studies);
- Characterization of wastes (methodologies, methods/protocols, new methods/procedures, methodological approach comparisons, quality control, variability analysis);
- Development and performance of recycled products (pavements, geotechnical applications, use in cement based materials, formulations, treatments);
- Environmental evaluations of processes and products containing wastes (Life Cycle Analysis, footprint analysis of environmental aspects – water, CO₂, etc, ecoefficiency analysis, leaching, toxicity);
- Innovation of materials or building components containing wastes (patents, new binders, new aggregates, new building materials or components, eco-design, etc).

Articles submitted will be evaluated at least by 3 peer-reviewers chosen by Editorial Board. The schedule of this call is:

- (a) Submission of the articles: until **January, 31st 2020**;
- (b) Evaluation by the Editorial Board: until **March, 09th 2020**;
- (c) Deadline for the submission of the revised papers: until **May, 17th 2020**;
- (d) Publication: **October, 1th 2020 (v. 20, n. 4)**.

Submission web address:

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

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