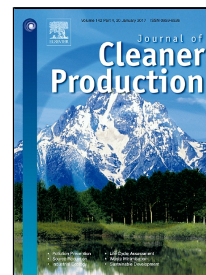


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Water cleaning sludge as principal component of composites to enhance mechanical properties of ecologically clean red ceramics



Vsévolod Mymrin, Kirill Alekseev, Otavio M. Fortini, Rodrigo E. Catai, André Nagalli, João L. Rissardi, Andrea Molinetti, Daniela E. Pedroso, Ronaldo L.S. Izzo

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Highlights

Were developed compositions with water treatment sludge for red ceramics production

The values of flexural resistance strength was up to 22.6 MPa (sintered at 1,050°C)

Structure formation processes were studied by XRD, SEM, EDS, AAS and LAMMA methods

Utilization of industrial wastes has high economical and environment efficiency

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