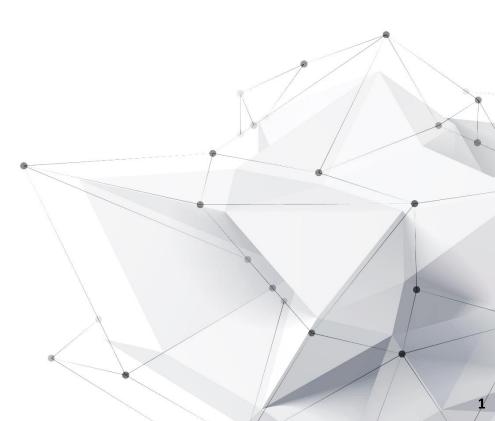
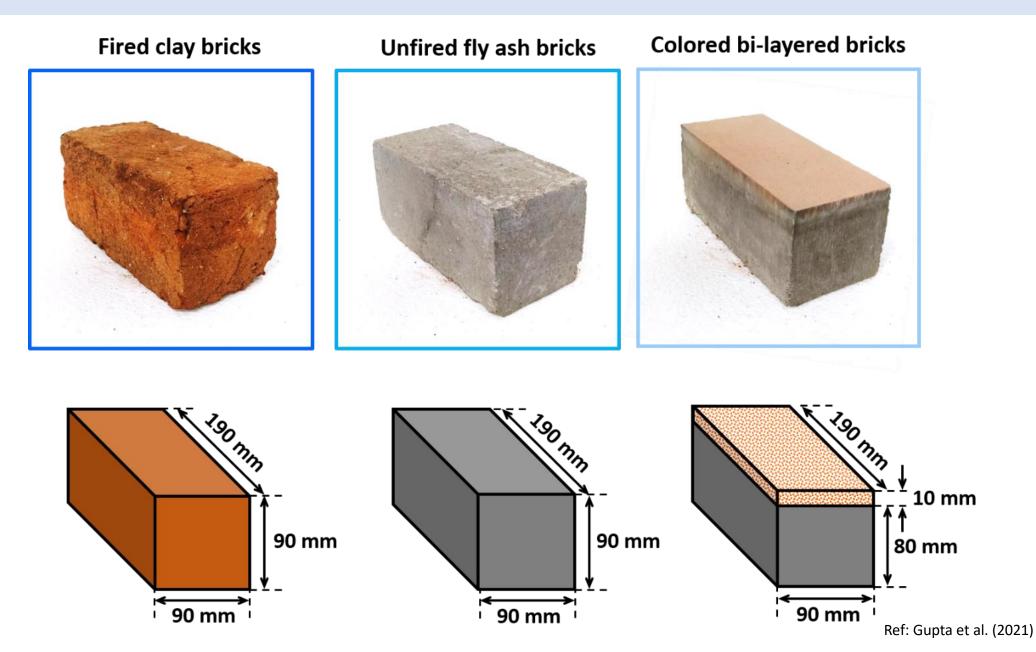
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Conceptualization of colored bi-layered bricks



2

Actual bi-layered bricks produced at laboratory scale



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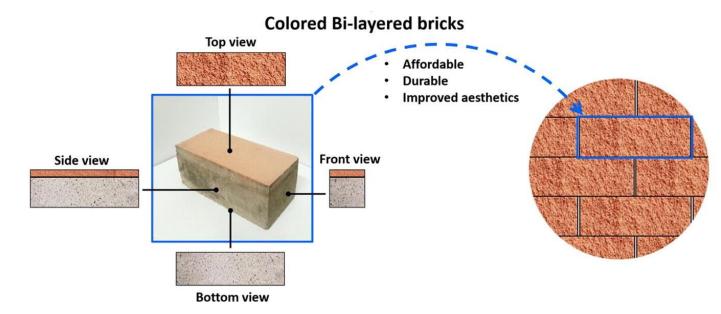


Construction and Building Materials Volume 278, 5 April 2021, 122339



Production of colored bi-layered bricks from stone processing wastes: Structural and spectroscopic characterization

Vivek Gupta ª, Devesh Kumar Pathak ^b, Rajesh Kumar ^{b, c}, Ankur Miglani ^d, Salman Siddique ^e, Sandeep Chaudhary ^{a, c} A



Novel colored bilayered bricks for low cost rural housing

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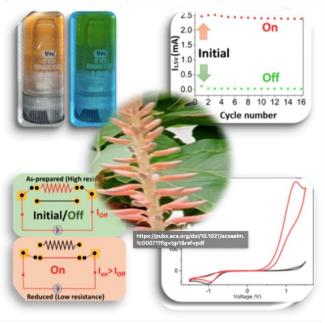
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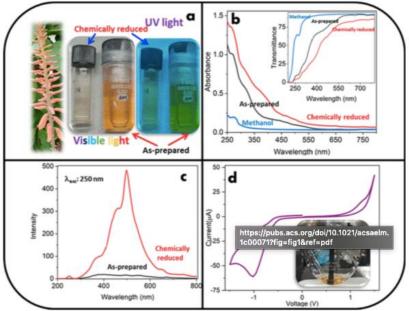
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Letter

Aloe Vera Flower Extract as a Botanical Resistive Memory Element: A Natural Memristor!

Tanushree Ghosh, Suchita Kandpal, Devesh K. Pathak, Manushree Tanwar, Chanchal Rani, Anjali Chaudhary,* and Rajesh Kumar*





Sustainable local product development through computation



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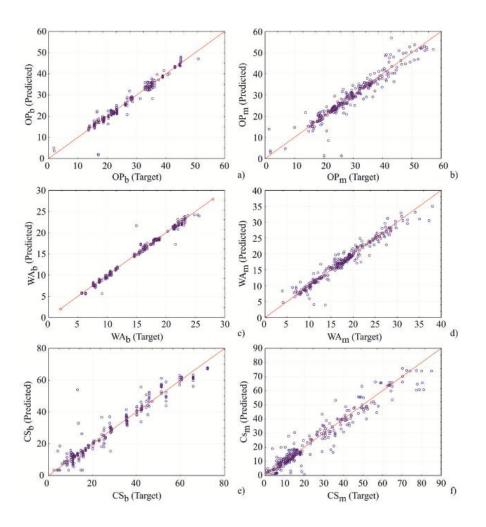
Milica Vidak Vasić^{1*)}, Lato Pezo², Vivek Gupta³, Sandeep Chaudhary^{3,4}, Zagorka Radojević¹

¹Institute for Testing of Materials IMS, Bulevar vojvode Mišića 43, 11000 Belgrade, Serbia

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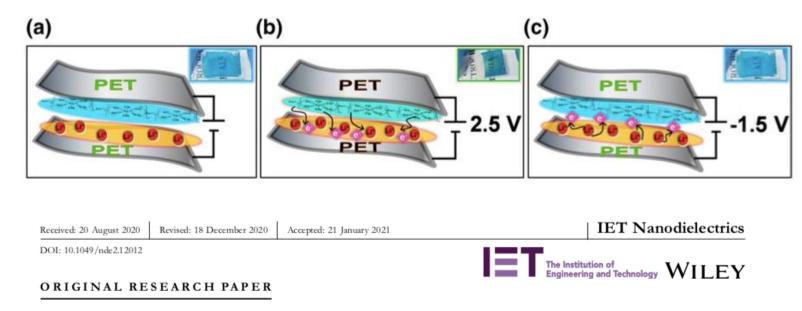
⁴Center for Rural Development and Technology, Indian Institute of Technology Indore, Simrol, Indore 453552, India



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Economic Glucose sensing Devices



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Sustainable construction through waste utilization

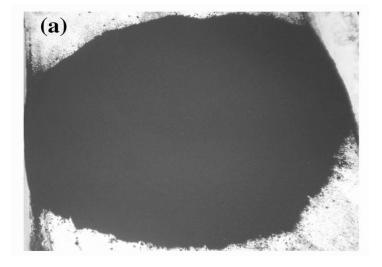
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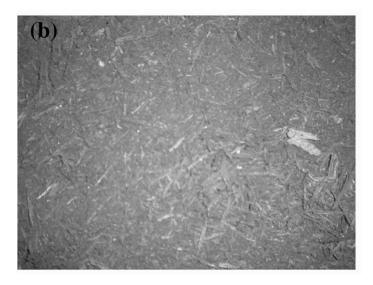
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Investigating mechanical properties and durability of concrete containing recycled rubber ash and fibers

Trilok Gupta, Salman Siddique, Ravi K. Sharma & Sandeep Chaudhary 🖂

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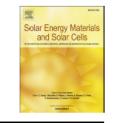
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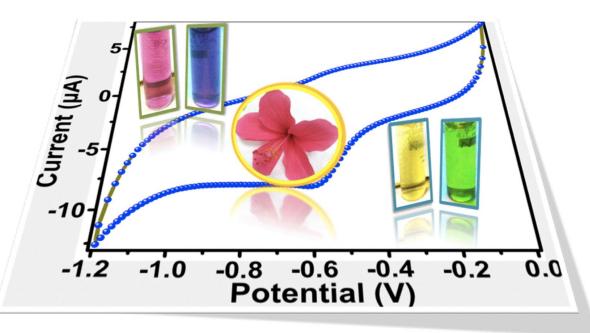
journal homepage: http://www.elsevier.com/locate/solmat





Raw hibiscus extract as redox active biomaterial for novel herbal electrochromic device

Anjali Chaudhary ^a, Devesh K. Pathak ^a, Suchita Kandpal ^a, Tanushree Ghosh ^a, Manushree Tanwar ^a, Rajesh Kumar ^{a,b,c,*}





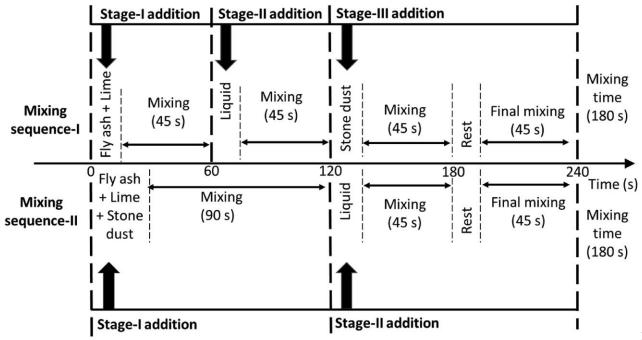
Journal of Cleaner Production Volume 285, 20 February 2021, 124859



Optimum mixing sequence and moisture content for hydrated lime fly ash bricks

Vivek Gupta ª, Salman Siddique ^b, Sandeep Chaudhary ^{a, c} A 🖾

Product improvement through process optimization





Resources, Conservation and Recycling Volume 168, May 2021, 105250



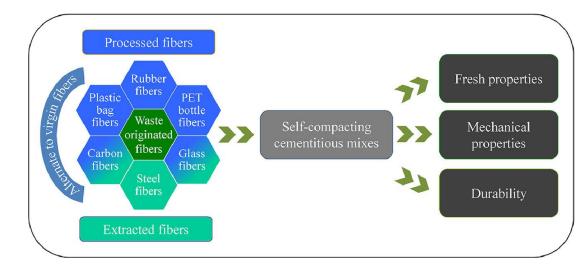
Identifying local wastes for developing construction materials



Sustainable development of self-compacting cementitious mixes using waste originated fibers: A review

Akshay Anil Thakare ª, Amardeep Singh ^b, Vivek Gupta ª, Salman Siddique ^c, Sandeep Chaudhary ^{a, d} $\stackrel{\circ}{\sim}$ 🖾

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- ^d Center for Rural Development and Technology, Indian Institute of Technology Indore, Simrol, Indore 453552, India





Construction and Building Materials Volume 262, 30 November 2020, 120745



A study on rheological properties of rubber fiber dosed self-compacting mortar

Akshay Anil Thakare ª, Salman Siddique ^b, Shrikant N. Sarode ª, Roshni Deewan ª, Vivek Gupta ª, Sanchit Gupta ª, Sandeep Chaudhary ª^{, c} 유 쩓





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Raman imaging for measuring homogeneity of dry binary blend: Combining microscopy with spectroscopy for technologists

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First published: 11 July 2020 | https://doi.org/10.1002/ansa.202000029 | Citations: 5

Vivek Gupta and Devesh K. Pathak contributed equally to this study.

Application of modern characterization techniques for assessing the effect of waste utilization for developing sustainable products

Smart Windows: Energy Saving for rural areas



Improved ionic solid/viologen hybrid electrochromic device using pre-bleached Prussian-blue electrode

