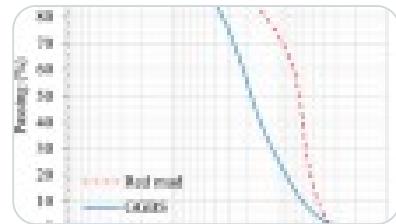


## Synergy of tests and finite element analysis for predicting axial structural behavior of CFRP-confined activated red mud-based geopolymers composites

Ali RazaAbdellatif SelmiNejib Ghazouani

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## On the gluing and interlocking of asphalt on concrete

Moritz MiddendorfJia LiuEduardus A. B. Koenders

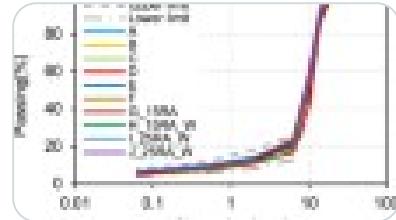
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## Assessment of the Darmstadt scuffing device for ravelling resistance in porous asphalt used in Italian motorways

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## Exploring the synergy of textiles, fibers and high-performance inorganic matrices on the mechanical performance of TRC composites

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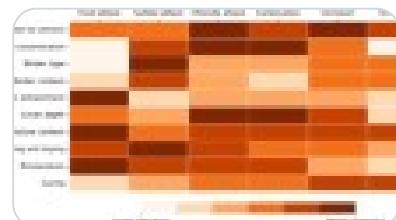
## Modeling and experimental validation of carbonation mechanism of ye'elimite-gypsum-water system

Yangyang ZhangQunli ZhangQingxin Zhao

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## Machine learning in concrete durability: challenges and pathways identified by RILEM TC 315-DCS towards enhanced predictive models



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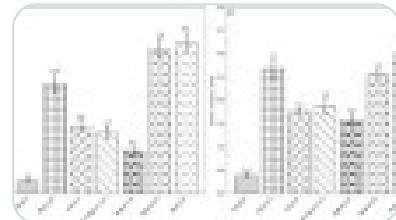
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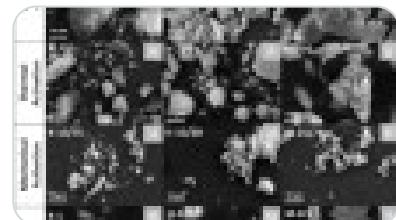
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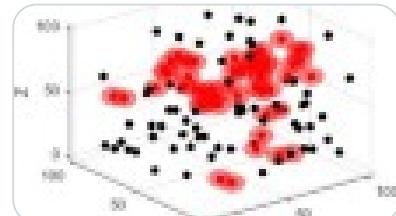
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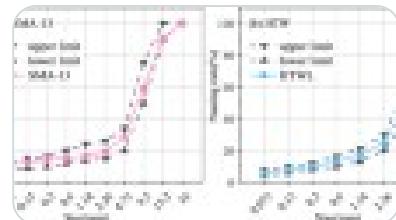
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## **Research on the range of texture parameters and design indicators of aggregates morphology in the wearing layer**

Xiyin Liu Tianxiang Bu Hong Lin

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## **Detection of alkali-silica reaction within large-scale concrete by ultrasound non-collinear wave mixing**

Devin Kumar Jin-Yeon Kim Laurence J. Jacobs

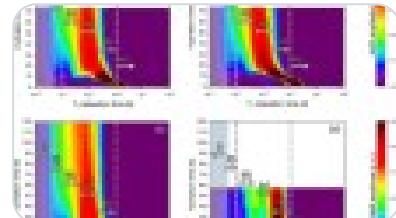
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## **Investigation of the hydration of clinker-reduced cementitious binders by $^1\text{H}$ NMR relaxometry**

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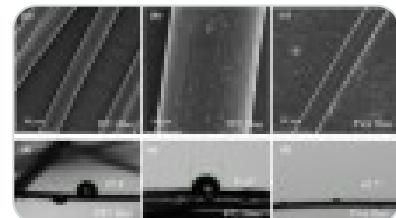
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## **Effects of single and hybrid fiber incorporation on the toughness, mechanical properties and microstructure of fiber-reinforced mortar**

Xuesong Zhang Yanrong Zhang Baoyuan Yang

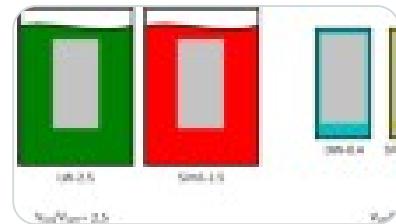
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## Comparison of curing methods for bulk electrical conductivity testing of cement pastes

Thomas BernardWilliam Wilson

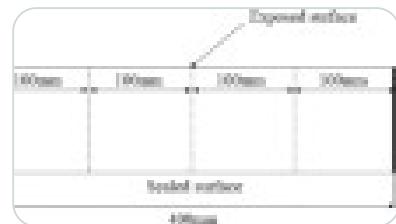
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## Efficient carbon sequestration of seawater sea-sand recycled aggregate concrete: an experimental study

Xiaolong HuJianzhuang XiaoTao Ding

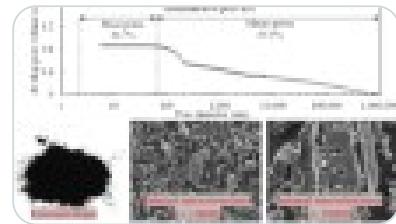
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## Effect of simulated weathering conditions on the NO<sub>x</sub> and SO<sub>x</sub> removal rates of permeable concrete blocks with porous materials

Jae-II SimJu-Hyun MunCong Thang Nguyen

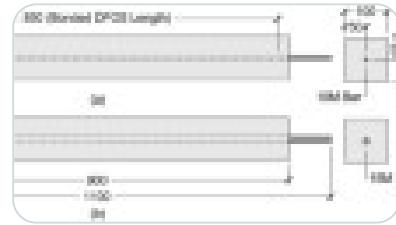
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## Characterization of concrete tension modulus, softening, and stiffening using distributed sensing

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## Influence of crack width on carbonation depths in functionally layered concrete

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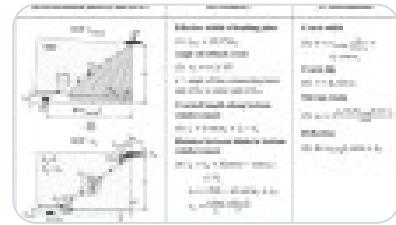
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## Modelling the ultimate shear behaviour of UHPFRC deep beams

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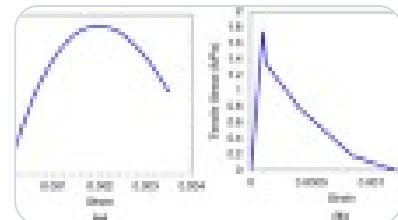
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## Seismic performance of confined brick masonry structure for multistory buildings: a comparative study

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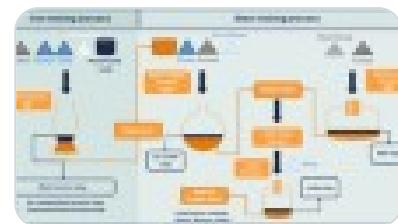
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## Direct aqueous carbonation of electric arc furnace slag: process optimisation through experimental design

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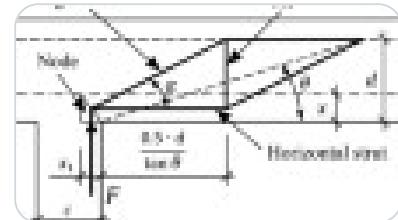
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## New method for prediction of punching resistance of flat slabs with shear reinforcement and its comparison with recently proposed code provisions

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## Design method for aggregate gradation of porous asphalt mixture based on target air voids

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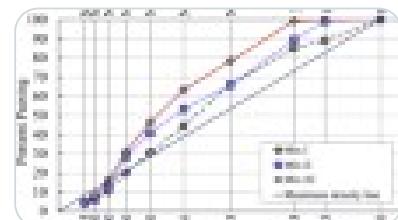
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## Investigating the fatigue life of asphalt pavements under different aging levels using the three-point bending cylinder (3PBC) test and mechanistic-empirical analysis

Aksel Seitlari

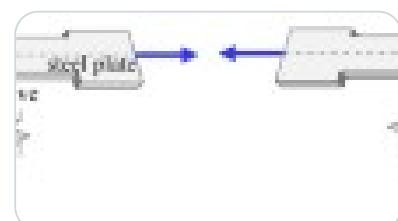
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## Stress-strain behavior of CFRP-bond to steel in tension

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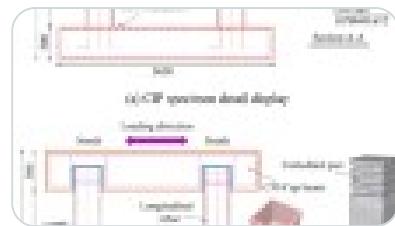
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## Seismic performance of UHPC precast double-column piers with socket connections

Jinliang LiuMingfei LiGuanhua Zhang

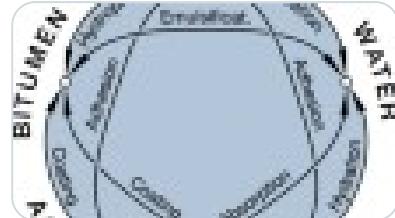
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## Recommendation of RILEM TC 280-CBE: Standardised design and analysis of the multiphase composition of bitumen emulsion–cement composites

Miomir MiljkovićAndrea Graziani

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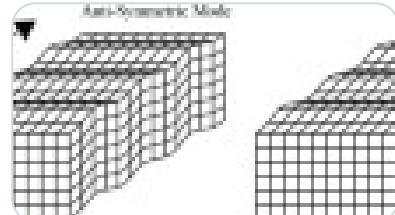
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## Avocado peel ash as a supplementary cementitious material: study of a new binder

Maria Julia Xavier EstevesJosé Alexandre Tostes Linhares JúniorMarkssuel Teixeira Marvila

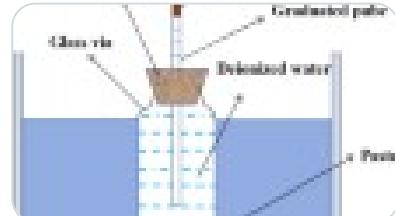
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## Regulating the performance of NaOH-activated slag using vitamin B3, B6, and C as bio-admixtures: a comparison study

Zeren ChenPeiyuan ChenJialai Wang

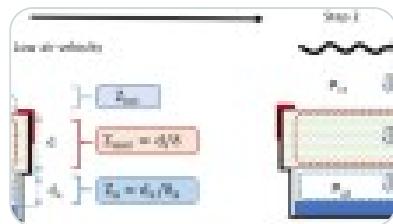
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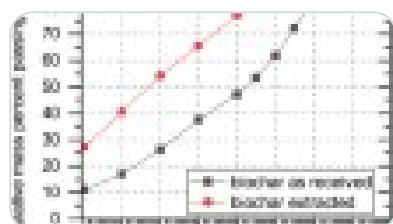
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## Exploring the carbon sequestration of an asphalt base course mixture containing novel cold-bonded biochar-rich lightweight aggregates

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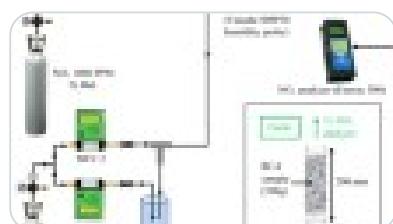
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## Mechanistic evaluation of $\text{NO}_2$ sequestered recycled concrete aggregates as anodic corrosion inhibitors in chloride-exposed OPC concrete: insights from kinetics and performance assessment

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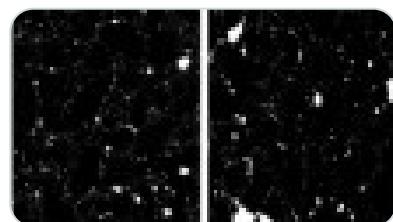
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## Salt-scaling resistance of biomimetic PEG-PVA-modified concrete

Mohammad MatarAnastasia N. AdayWil V. Srubar III

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## **Carbonation of alkali-activated materials: changes in mineralogical composition and pH, and qualitative estimation of corrosion risk**

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## **Achieving lower temperature modification and its mechanism of SBS modified asphalt based on pre-swelling/extraction process and compositing with C9 petroleum resin**

Wei ChenShifa FanBo Dong

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## **Effect of water to binder ratio on carbonation behavior of a novel carbonatable belite-ternesite binder**

Xiaoli WangMing-Zhi GuoTung-Chai Ling

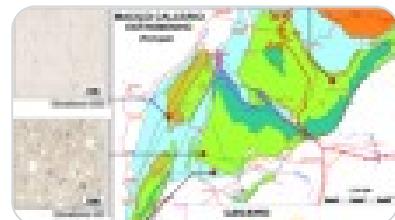
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## **Cladding thickness influence on flexural strength under concentrated load of limestones**

João SenraAmélia DionísioGustavo Paneiro

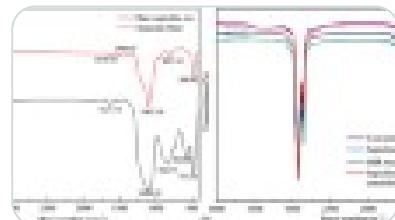
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## **Study on preparation and properties of sepiolite/SBR composite modified emulsified asphalt**

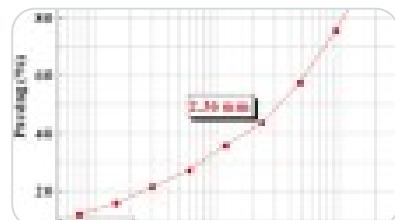
Gang HuangYaru LvTingjun Du

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## **Effects of temperature and strain rate on the damaging mechanism of asphalt concrete under uniaxial compression**

Zheng SiYulong ZhangJian Song



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## **Hydrothermal aging of polyester-based GFRP bars in alkaline environment**

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## **Experimental and numerical creep assessment of fine sand concrete**

Mohamed Ladjel Mohamed Chemrouk Farid Bouziadi

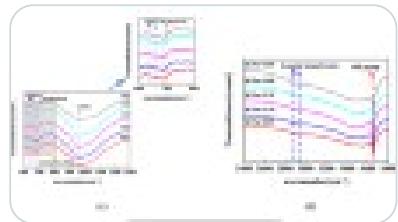
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## **Effect of K/Na on the alkali silica reaction of seawater and sea sand concrete**

Qizhi Zhang Qingnan Gong Dehui Wang

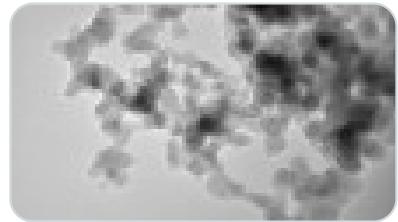
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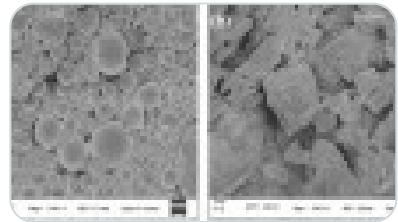
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## **Influence of aggressive agents on properties of geopolymmer concrete and corrosion behavior of steel in geopolymers concrete pore solution**

Leela Sai Rangarao Maradani Bulu Pradhan

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# **Microstructural insights of geopolymers mortar containing cenosphere: effects on fresh properties and durability**

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