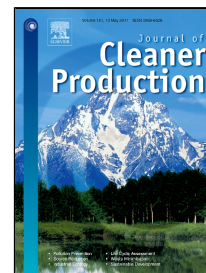


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Investigating the mechanical and fatigue properties of sustainable cement emulsified asphalt mortar

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Highlights

- In this study, sustainable Cement Emulsified Asphalt Mortar (CEAM) was developed.
- Replacing cement with Silica Fume (SF) increased Uniaxial Compressive Strength (UCS).
- Utilizing Ground Granulated Blast Furnace Slag (GGBFS) had no effect on the UCS.
- IDT decreased slightly with the addition of GGBFS and increased by utilization of SF.
- By increasing the amount of SF in CEAM, J_c first grew and then dropped.

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