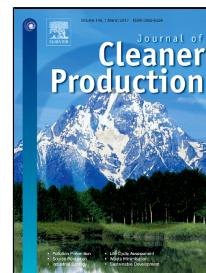


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Durability of fly ash based geopolymer concrete in the presence of silica fume

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Highlights

- Fly ash is activated by alkali to form geopolymer and such a process is cleaner.
- Geopolymer concretes are durable in an aggressive environment.
- Addition of silica fume in fly ash based geopolymer concrete increase the strength and durability.
- Fly ash-based geopolymer concrete offers economic benefits over Portland cement concrete.

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