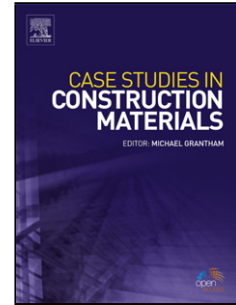


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STUDY AND PREDICTING THE STRESS-STRAIN CHARACTERISTICS OF GEOPOLYMER CONCRETE UNDER COMPRESSION

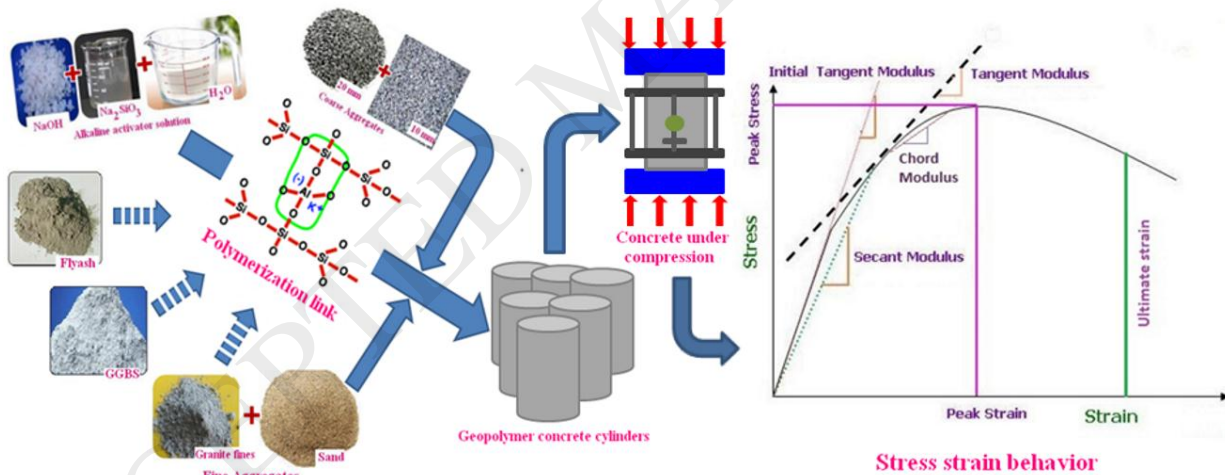
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Graphical abstract



Highlights of manuscript

1. Granite fines (GF) used as a partial replacement of fine aggregate in GPC.
2. The complete stress-strain behavior of GPC was studied under compression.
3. Parameters of ascending and descending stages in stress-strain curve of GPC were studied.
4. Several models are proposed to predict the stress-strain characteristics of GPC under compression by using regression analysis.
5. Test results are validated with the existing models given by codes and past research.

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