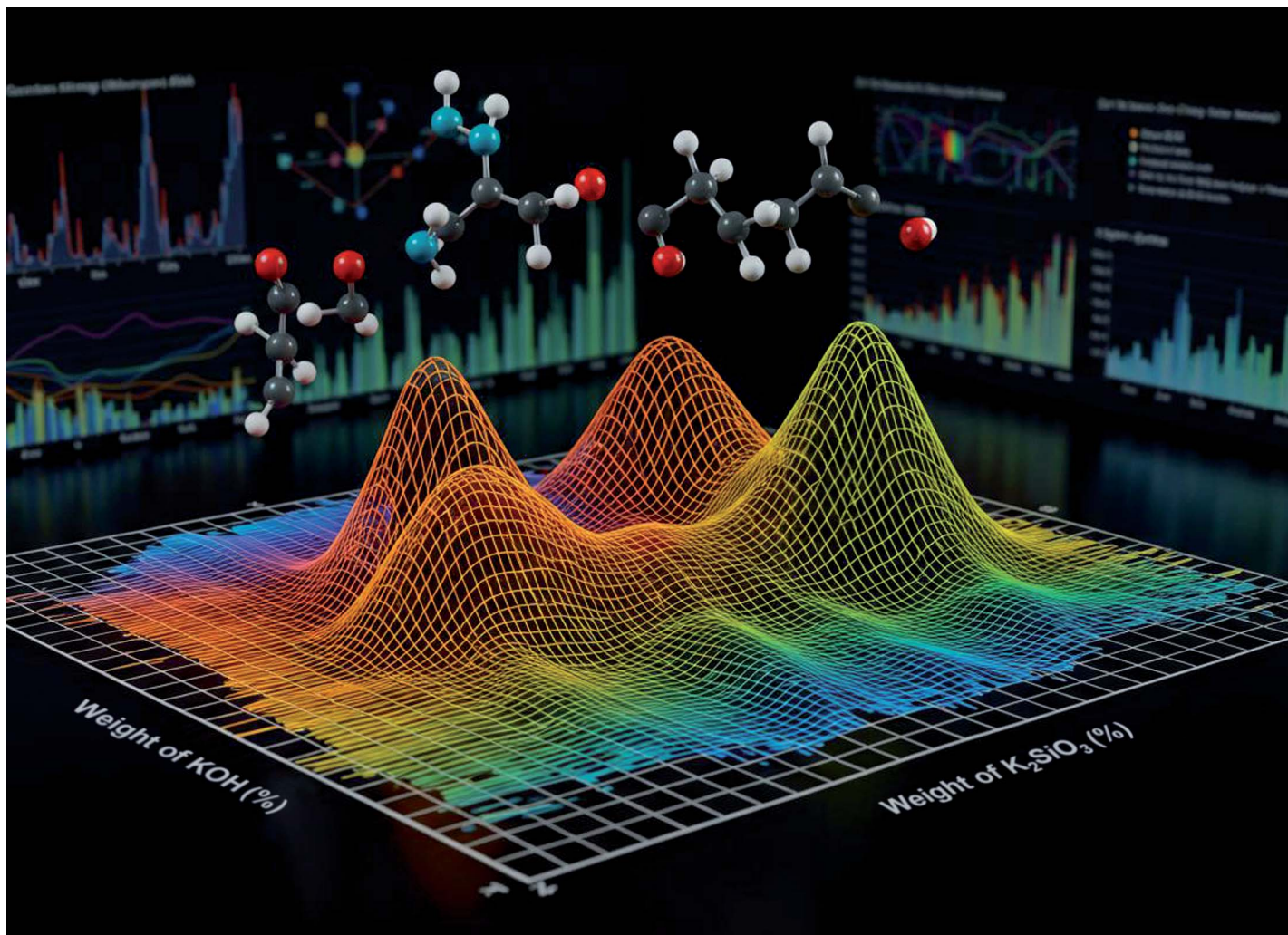


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Showcasing research from Dr. Hyunseok Ko's laboratory,
Center of Materials Digitalization, Korea Institute of Ceramic
Engineering and Technology (KICET), Jinju, Republic of Korea.

Accentuating the ambient curing behavior of geopolymers:
metamodel-guided optimization for fast-curing geopolymers
with high flexural strength

This study presents an optimized geopolymer for low-temperature rapid curing through design of experiments and metamodeling techniques. The developed geopolymer achieves a record flexural strength of 27.83 MPa with fast curing under ambient conditions. This advancement offers promising applications in construction and repair work requiring rapid strength development.

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