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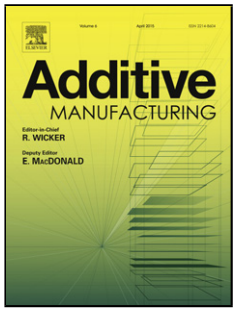

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ACCEPTED MANUSCRIPT

Effects of dense core and porous surface design and MgO/ZnO on physical, mechanical, and biological properties of tricalcium phosphate scaffolds by ink-jet 3D printing

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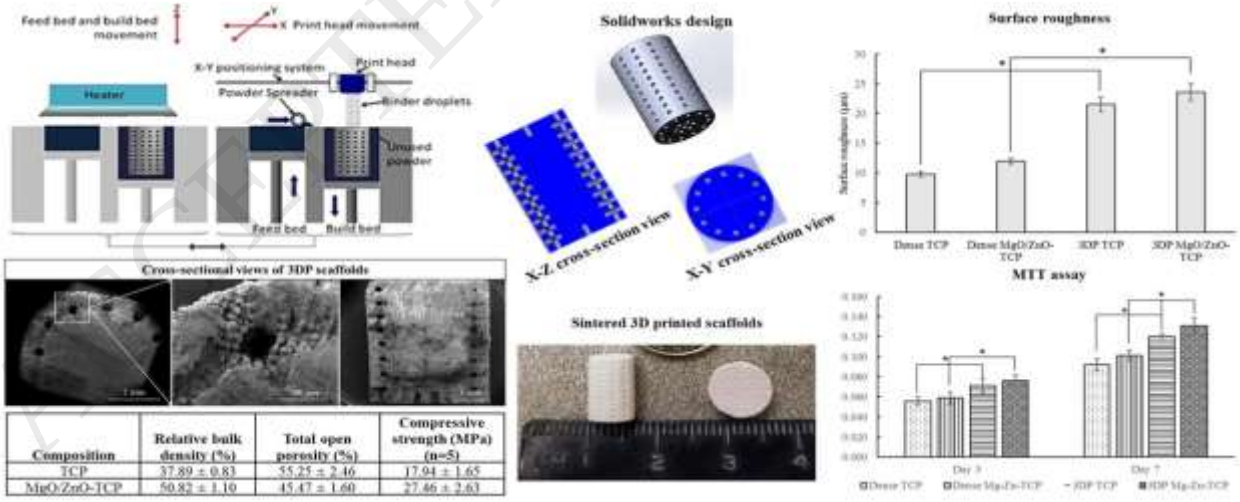
GRAPHICAL ABSTRACT



Composition	Relative bulk density (%)	Total open porosity (%)	Compressive strength (MPa) (n=5)
TCP	37.89 ± 0.83	55.25 ± 2.46	17.94 ± 1.65
MgO/ZnO-TCP	50.82 ± 1.10	45.47 ± 1.60	27.46 ± 2.63

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