

## Additive manufacturing of high-entropy alloys

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## Additive manufacturing of novel ceramic-based composite scaffolds for bone tissue engineering = Uudsete keraamikal põhinevate komposiitkarkasside kihtlisandustehnoloogia luukoetehnika

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## Additive manufacturing of silicon-wollastonite/bioactive glass based biomaterials by Selective Laser Melting

**Kamboj, Nikhil Kumar; Rodriguez Barbero, M. A.; Rodrigo, C.; Kazantseva, Jekaterina; Hussainova, Irina** 44th International Conference & Exposition on Advanced Ceramics and Composites, January 26–31, 2020, Daytona Beach, Florida : Abstract book 2020 / art. ICACC-S5-028-2020 ; p. 133 [https://ceramics.org/wp-content/uploads/2018/09/ICACC20\\_Abstacts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstacts_WebFinal.pdf)

## Bioactive ceramic scaffolds for bone tissue engineering by powder bed selective laser processing : a review

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## Bioceramic scaffolds by additive manufacturing for controlled delivery of the antibiotic vancomycin

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## Bioinert ceramics scaffolds for bone tissue engineering by laser-based powder bed fusion : a preliminary review

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## Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review

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## Biomimetic design of implants for long bone critical-sized defects

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## Circular economy approach to recycling technologies of post-consumer textile waste in Estonia : a review

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## Deposition of iron oxide nanoparticles on mesoporous alumina network by wet-combustion technology

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## Fibrous alumina-based Ni-CeO<sub>2</sub> catalyst : synthesis, structure and properties in propane pre-reforming

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## Hybrid metal-ceramic biomaterials fabricated through powder bed fusion and powder metallurgy for improved impact resistance of craniofacial implants

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### **Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel**

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### **Modelling of impact-abrasive wear of ceramic, metallic, and composite materials**

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### **Nanostructural evolution in mesoporous networks using in situ high-speed temperature scanner**

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### **A novel approach to fabricate Si3N4 by selective laser melting**

**Minasyan, Tatevik**; **Liu, Le**; **Aghayan, Marina**; **Kollo, Lauri**; **Kamboj, Nikhil Kumar**; **Aydinyan, Sofiya**; **Hussainova, Irina** Ceramics international 2018 / p. 13689-13694 : ill <https://doi.org/10.1016/j.ceramint.2018.04.208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Novel silicon-wollastonite based scaffolds for bone tissue engineering produced by selective laser melting**

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### **Numerical study on the effect of geometry on mechanical behavior of triply periodic minimal surfaces**

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### **Optimisation of trabecular bone mimicking silicon-hydroxyapatite based composite scaffolds processed through selective laser melting**

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### **Selective laser sintered bio-inspired silicon-wollastonite scaffolds for bone tissue engineering**

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### **Synthesis of porous bio-ceramic (Silicon and Calcium silicate) implants by selective laser melting for local delivery of Vancomycin**

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### **Tribological and circular economy aspects of polypropylene/cotton fibre hybrid composite**

**Hussain, Abrar**; **Podgurski, Vitali**; **Goljandin, Dmitri**; **Antonov, Maksim**; **Kumar, Rahul**, 1993-; **Kamboj, Nikhil Kumar**; **Rahmani Ahranjani, Ramin**; **Viljus, Mart**; Ahmad, Tahir; **Krumme, Andres**; **Krasnou, Illia** Proceedings of the Estonian Academy of Sciences 2022 / p. 186-193 : ill <https://doi.org/10.3176/proc.2022.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)