

## **Additive manufacturing of high-entropy alloys**

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

**Kamboj, Nikhil Kumar** 2020 [https://www.ester.ee/record=b5379547\\*est](https://www.ester.ee/record=b5379547*est) <https://digikogu.taltech.ee/et/Item/92f8dc95-1820-45b0-bbdc-4193e44ec978>

## **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\\_Abstracts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC20_Abstracts_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**

**Kamboj, Nikhil Kumar; Rodriguez, Miguel Angel; Rahmani Ahranjani, Ramin; Prashanth, Konda Gokuldoss; Hussainova, Irina** Proceedings of the Estonian Academy of Sciences 2019 / p. 185–190 : ill <https://doi.org/10.3176/proc.2019.2.10> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_2/proc-2019-2-185-190.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-185-190.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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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## **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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## **Fibrous alumina-based Ni-MO<sub>x</sub> (M= Mg, Cr, Ce) catalysts for 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**

**Rahmani Ahranjani, Ramin; Kamboj, Nikhil Kumar;** Brojan, Miha; **Antonov, Maksim; Prashanth, Konda Gokuldoss** *Materialia* 2022 / art. 101465 <https://doi.org/10.1016/j.mtla.2022.101465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ionic substituted hydroxyapatite for bone regeneration applications : a review**

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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**

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**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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**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**

**Kamboj, Nikhil Kumar; Hussainova, Irina;** Rodríguez Barbero, M. A.; Rodrigo, S.; **Prashanth, Konda Gokuldoss** 43rd International Conference & Exposition on Advanced Ceramics and Composites : abstract book 2019 / p. 190 [https://ceramics.org/wp-content/uploads/2018/09/ICACC19\\_Abstacts\\_WebFinal.pdf](https://ceramics.org/wp-content/uploads/2018/09/ICACC19_Abstacts_WebFinal.pdf)

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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*

