

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

Kumar, Rahul, 1993-; Rezapourianghahfarokhi, Mansoureh; Rahmani Ahranjani, Ramin; Maurya, Himanshu Singh; Kamboj, Nikhil Kumar; Hussainova, Irina Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A comprehensive review on development of waste derived hydroxyapatite (HAp) for tissue engineering application**

Kumar Yadav, Mayank; Shukla, Riddhi Hirenkumar; Prashanth, Konda Gokuldoss Materials today: proceedings 2023 / 7 p. : ill <https://doi.org/10.1016/j.matpr.2023.04.669>

**Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles**

Pandey, Vivek Kumar; Srivastava, Kumar Rohit; Ajmal, Gufran; Thakur, Vijay Kumar; Gupta, Vijai Kumar; Upadhyay, Siddh Nath; Mishra, Pradeep Kumar International Journal of Molecular Sciences 2019 / Art. nr. 5110 <https://doi.org/10.3390/ijms20205110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Effect of laser surface texturing and fabrication methods on tribological properties of Ti6Al4V/HAp biocomposites**

Sadlik, Julia; Kosinska, Edyta; Tomala, Agnieszka; Bankosz, Magdalena; Polajnar, Marko; Kumar, Rahul; Kalin, Mitjan; Kravanja, Gaia; Hribar, Luka; Hussainova, Irina Materials 2025 / art.2468 <https://doi.org/10.3390/ma18112468>

**Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering**

Rodrigo-Vazquez, C. Sara; Kamboj, Nikhil Kumar; Aghayan, Marina; Saez, Ada; De Aza, Antonio de; Rodriguez, Miguel Angel; Hussainova, Irina Ceramics international 2020 / p. 26936-26944 : ill <https://doi.org/10.1016/j.ceramint.2020.07.171> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Phase formation, microstructure and mechanical properties of Mg67Ag33 as potential biomaterial**

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**Selective laser melting of high-strength, low-modulus Ti–35Nb–7Zr–5Ta alloy**

Ummethala, Raghunandan; Karamched, Phani S.; Rathinavelu, Sakkalingam; Singh, Neera; Aggarwal, Akash; Sun, Kang; Ivanov, Eugene; Kollo, Lauri; Okulov, Ilya; Eckert, Jürgen; Prashanth, Konda Gokuldoss Materialia 2020 / art. 100941 <https://doi.org/10.1016/j.mtla.2020.100941> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)