

**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>

**Densification of the eggshell powder by spark plasma sintering**

**Shukla, Riddhi Hirenkumar; Rathinavelu, Sokkalingam; Kollo, Lauri; Prashanth, Konda Gokuldoss** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 56 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

**Densification of the eggshell powder by spark plasma sintering**

**Shukla, Riddhi Hirenkumar; Sokkalingam, Rathinavelu; Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2023 / art. 171079 <https://doi.org/10.1016/j.jallcom.2023.171079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Development of Ti-eggshell composite for bio-implants applications = Ti-munakoore komposiidi väljatöötamine bioimplantaatide rakenduste jaoks**

**Shukla, Riddhi Hirenkumar** 2025 [https://www.ester.ee/record=b5730420\\*est](https://www.ester.ee/record=b5730420*est) <https://digikogu.taltech.ee/et/Item/e2ae3e2f-5df1-47bb-ac63-a3f64e703685> <https://doi.org/10.23658/taltech.10/2025>

**Kasututest munakoortest saaks teha tehislীগeseid**

**Shukla, Riddhi Hirenkumar** novaator.err.ee 2024 [Kasututest munakoortest saaks teha tehislীগeseid](#)

**Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting**

**Baskaran, Jagadeesh; Muthukannan, Duraiselvam; Shukla, Riddhi Hirenkumar; Prashanth, Konda Gokuldoss** Vacuum 2024 / art. 113065 <https://doi.org/10.1016/j.vacuum.2024.113065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Metallic multimaterials fabricated by combining additive manufacturing and powder metallurgy**

**Yadav, Mayank Kumar; Shukla, Riddhi Hirenkumar; Xi, Lixia; Wang, Zhi; Prashanth, Konda Gokuldoss** Journal of composites science 2025 / art. 80 <https://doi.org/10.3390/jcs9020080>

**Microstructural, mechanical, corrosion, and biological behavior of spark plasma sintered commercially pure zinc for biomedical applications**

**Yadav, Mayank Kumar; Shukla, Riddhi Hirenkumar; Praveenkumar, K.; Nilawar, Sagar; Perugu, Chandra Sekhar; Sellamuthu, Prabhukumar; Chatterjee, Kaushik; Suwas, Satyam; Jayaraj, Jayamani; Prashanth, Konda Gokuldoss** Materials advances 2025 <https://doi.org/10.1039/D5MA00092K>

**A novel Ti-eggshell-based composite fabricated by combined additive manufacturing-powder metallurgical routes as bioimplants**

**Shukla, Riddhi Hirenkumar; Yadav, Mayank Kumar; Madruga, Liszt Yeltsin Coutinho; Jaymani, Jayraj; Popat, Ketul; Wang, Zhi; Xi, Lixia; Prashanth, Konda Gokuldoss** Ceramics international 2024 / 11 p <https://doi.org/10.1016/j.ceramint.2024.12.073>

**Ti6Al4V coating on 316L substrate by laser-based fusion process**

**Shukla, Riddhi Hirenkumar; Prashanth, Konda Gokuldoss** Transactions of the Indian Institute of Metals 2023 / p. 435-445 <https://doi.org/10.1007/s12666-022-02748-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Õrnad munakoored võivad saada tugevaks tehispusaks**

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