

Competition between densification and microstructure of functional materials by Selective Laser Melting

Singh, Neera; Ummethala, Raghunandan; Hameed, Pearlin; Sokkalingam, Rathinavelu; Prashanth, Konda Gokuldoss Material design & processing communications 2020 / art. e146, 7 p. : ill <https://doi.org/10.1002/mdp2.146> [Journal metrics at Scopus](#) [Article at Scopus](#)

Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites

Sharma, Shubham; **Singh, Neera**; Kumar, Devendra; Gupta, Sumit; Chaudhary, Vijay; Gupta, Niraj; Gupta, Pallav Journal of Advanced Manufacturing Systems 2023 / p. 603-618 <https://doi.org/10.1142/S0219686723500270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of ceramic reinforcement on the microstructural, mechanical and tribological behavior of Al-Cu alloy metal matrix composite

Aktar Zahid Sohag, Md; Gupta, Pallav; Kondal, Neha; Kumar, Devendra; **Singh, Neera**; Jamwal, Anbesh Materials today: proceedings 2020 / p. 1407-1411 <https://doi.org/10.1016/j.matpr.2019.08.179> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Effect of TiB₂ addition on the mechanical and biological response of spark plasma sintered Ti6Al7Nb matrix composites

Singh, Neera; Ummethala, Raghunandan; Surreddi, Kumar Babu; Jayaraj, Jayamani; **Sokkalingam, Rathinavelu**; Rajput, Monika; Chatterjee, Kaushik; **Prashanth, Konda Gokuldoss** Journal of alloys and compounds 2022 / art. 166502 <https://doi.org/10.1016/j.jallcom.2022.166502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formation of fine Mg₂Si phase in Mg-Si alloy via solid-state sintering using high energy ball milling

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Microstructural, mechanical and corrosion behaviour of Al-Si alloy reinforced with SiC metal matrix composite

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Microstructure, wear and corrosion characteristics of Cu matrix reinforced SiC-graphite hybrid composites

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Phase, microstructure, and wear behavior of Al₂O₃-reinforced Fe-Si alloy-based metal matrix nanocomposites

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Recent developments on wear and corrosion behavior of iron/iron-nickel metal matrix composites reinforced with zirconia

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Selective laser melting of aluminum and its alloys

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Spark plasma sintering of Ti6Al4V metal matrix composites: Microstructure, mechanical and corrosion properties

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Subtle change in the work hardening behavior of fcc materials processed by selective laser melting

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Synthesis and characterization of nanocrystalline Fe(100-x)Ni(x) alloy powders by auto-combustion and hydrogen reduction

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Ti6Al7Nb–TiB nanocomposites for ortho-implant applications

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γ and α -(Fe, Ni) phase characterization using image processing and effect of phase formation on the P/M Fe(100-x)Ni(x) alloys properties

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