

### **Additive manufacturing of CoCrFeMnNi high-entropy alloy/AISI 316L stainless steel bimetallic structures**

Sokkalingam, Rathinavelu; Chao, Zhao; Sivaprasad, Katakam; Muthupandi, Veerappan; Jayaraj, Jayamani; Ramasamy, Parthiban; Eckert, Jürgen; **Prashanth, Konda Gokuldoss** Advanced engineering materials 2023 / art. 2200341

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### **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](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **Dissimilar welding of Al0.1CoCrFeNi high-entropy alloy and AISI304 stainless steel**

Sokkalingam, Rathinavelu; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Journal of materials research and technology 2019 / p. 2683-2694 : ill <https://doi.org/10.1557/jmr.2019.186> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Dissimilar welding of high-entropy alloy to Inconel 718 superalloy for structural applications**

Sokkalingam, Rathinavelu; Pravallika, B; Sivaprasad, Katakam; Muthupandi, Veerappan; **Prashanth, Konda Gokuldoss** Journal of materials research 2022 / p. 272-283 <https://doi.org/10.1557/s43578-021-00352-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

### **Electron-beam welding of high-entropy alloy and stainless steel: microstructure and mechanical properties**

Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss**

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### **Microstructure and mechanical properties of Al-(12-20)Si bi-material fabricated by selective laser melting**

Zhang, Shikai; Ma, Pan; Jia, Yandong; Yu, Zhishui; Sokkalingam, Rathinavelu; Shi, Xuerong; Ji, Pengcheng; Eckert, Jürgen;

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### **Microstructure and properties of insitu high entropy alloy/tungsten carbide composites by mechanical alloying**

Sokkalingam, Rathinavelu; **Tarraste, Marek; Surreddi, Kumar Babu; Traksmaa, Rainer; Muthupandi, Veerappan; Sivaprasad, Katakam; Prashanth, Konda Gokuldoss** Material design & processing communications 2020 / 9 p. : ill

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### **Novel welding of Al0.5CoCrFeNi high-entropy alloy: corrosion behavior**

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; Duraiselvam, Muthukannan; Muthupandi, Veerappan; **Prashanth, Konda**

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### **Powder metallurgy of Al0.1CoCrFeNi high-entropy alloy**

Sokkalingam, Rathinavelu; **Tarraste, Marek; Surreddi, Kumar Babu; Mikli, Valdek; Muthupandi, Veerappan; Sivaprasad, Katakam;**

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

**Singh, Neera; Ummethala, Raghunandan; Karamched, Phani S.; Sokkalingam, Rathinavelu; Gopal, Vasanth; Manivasagam, G.;**

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

Sokkalingam, Rathinavelu; Sivaprasad, Katakam; **Singh, Neera; Muthupandi, Veerappan; Ma, Pan; Jia, Yandong; Prashanth,**

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### **Tungsten matrix composite reinforced with CoCrFeMnNi high-entropy alloy : impact of processing routes on**

**microstructure and mechanical properties**

Satyanarayana, P. V.; Sockalingam, Rathinavelu; Jena, P. K.; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Metals 2019 / art. 992, 12 p. : ill <https://doi.org/10.3390/met9090992> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)