

Keywords: [Powder Metallurgy](#), [Metal Powder](#), [Manufacturing](#), [Materials](#)

## Introduction

Abstract  
Introduction  
1.1 Background  
1.2 Objectives  
2. Materials and Methods  
2.1 Materials  
2.2 Methods  
3. Results and Discussion  
3.1 Results  
3.2 Discussion  
4. Conclusion  
References

000000  
000000  
000000  
000000



### Acknowledgement



### Conflict of Interest



### References

- Niinomi M, Nakai M, Hieda J (2012) Development of new metallic alloys for biomedical applications *Acta Biomater* 8: 3888-3903.
- Xu W, Lu X, Wang LN, Shi ZM, Lv SM, et al. (2018) Mechanical properties, in vitro corrosion resistance and biocompatibility of metal injection molded 12Mo alloy for dental applications *J Mech Behav Biomed Mater* 88: 534-547.
- Croes M, Bakhshandeh S, I Hengel AJV, Lietaert K, Kessel KPMV, et al. (2018) Antibacterial and immunogenic behavior of silver coatings on additively manufactured porous titanium *Acta Biomater* 81: 315-327.
- Anuar A, Guraya T, Chen ZW, Ramezani M, Ormazabal MSS, et al. (2021) ( H F W R I E X L O G G L U H F W L R Q G H S H O G H Q W J U D E O - V W U X T F W X U H R Q I D W L J X H F G D F I N J U R Z W K R I G V ) biomedical Co-29Cr-6Mo alloy processed by laser powder bed fusion. *J Mech Behav Biomed Mater* 123: 104741.
- Jang TK, Kim DE, Han G, Yoon CB, Jung HD, et al. (2020) Powder based additive manufacturing for biomedical application of titanium and its alloys: a review *Biomed Eng Lett* 10: 505-516.
- Mazigi O, Mathan BK, Xu J, Choe HC, Ye QS, et al. (2017) In-Situ Alloy Formation of a WMoTaNbV Refractory Metal High Entropy Alloy by Laser Powder Bed Fusion (LPBF) *Sci Eng 3: 509-517*.
- Cheisson T, Schelter EJ (2019) Rare earth elements: Mendeleev's bane, modern marvels *Science* 363: 489-493.
- Zhong T, Kindem JM, Bartholomew JG, Rochman J, Craiciu I, et al. (2017) Nanophotonic rare-earth quantum memory with optically controlled retrieval *Science* 357: 1392-1395.
- Ryoo R, Kim J, Jo C, Han SW, Kim JC, et al. (2020) Rare-earth platinum alloy nanoparticles in mesoporous zeolite for catalysis *Nature* 585: 221-224.
- Wang H, Wu X, Yang Y, Nishiura M, Hou Z, et al. (2020) R V \ Q G L R V S H Alternating Copolymerization of Functionalized Propylenes and Styrene by Rare-Earth Catalysts *Angew Chem Int Ed Engl* 59: 7173-7177.
- Alonso E, Sherman AM, Wallington TJ, Everson MP, Field FR, et al. (2012) Evaluating rare earth element availability: A case with revolutionary demand from clean technologies *Environ Sci Technol* 46: 3406-3414.
- Huang T, Zhang SW, Xie J, Zhou B, Wu LF, et al. (2021) ( J H F W L Y K R I G V O - V W U X T F W X U H R Q I D W L J X H F G D F I N J U R Z W K R I G V ) of quadrivalent cerium by synthesized laurylsulfonate green rust in a central composite design *J Environ Sci (China)* 107: 14-25.