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evaluating potential materials in our surroundings that could be used for a specific biomedical application. Many times, this selection process simply involved consideration of the mechanical properties of the material to restore basic function at the implant

Progress in material design for biomedical applications Similarly,  $MFe_2O_4$  ( $M = Mn, Co, Ni, Zn, \text{ etc.}$ ) have been investigated for targeted drug delivery and therapy; such applications are extensively reviewed elsewhere [44,154]. Additionally, the potential of cerium oxide and calcium oxide in biomedical applications have also been extensively investigated.

Biocompatible Metal - an overview | ScienceDirect Topics PLA blends with different natural and synthetic polymers have been developed by solvent and melt blending techniques and further processed based on end-use applications. A variety of PLA blends has been explored for biomedical applications such as drug delivery, implants, sutures, and tissue engineering. Poly(lactic acid) blends in biomedical applications ... An implant is a medical device manufactured to replace a missing biological structure, support a damaged biological structure, or enhance an existing biological structure. Medical implants are man-made devices, in contrast to a transplant, which is a transplanted biomedical tissue. The surface of implants that contact the body might be made of a biomedical material such as titanium, silicone, or apatite depending on what is the most functional. In some cases implants contain electronics e.g. art Implant (medicine) - Wikipedia Amazon.in - Buy Biomedical Materials — Drug Delivery, Implants, and Tissue Engineering: Volume 550 (MRS Proceedings)

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biomedical implants and the concern with their contact with cells and microorganisms at early phases of bone healing has boosted the development of surface topographies presenting drug delivery potential for, among other features, bacterial growth inhibition without impairing cell adhesion.

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