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Bioactivity and biointegration of orthopaedic and dental implants -- Surface modification of biomaterials -- Wettability in biomaterials science and modification techniques -- CO2 laser modification of the wettability characteristics of magnesia partially stabilised zirconia -- In vitro biocompatibility evaluation of CO2 laser treated magnesia partially stabilised zirconia -- The effects of CO2 laser radiation on the wettability characteristics of a titanium alloy -- In vitro biocompatibility evaluation of CO2 laser treated titanium alloy -- Enquiry into the possible generic effects of the CO2 laser treatment on bone implant biomaterials.

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