

Biomedical Applications

Various metallic or non-metallic surfaces are frequently treated by electrochemical methods (e.g. electrodeposition, electroless deposition, anodization, passivation, etc.) in order to achieve a desirable property important for biomedical applications. Applications include orthopedic or dental implants, dressings for wound healing and different skin diseases, surfaces for the prevention of bio-film formation of corrosion inhibition in biological media. The aim of this issue of Modern Aspects of Electrochemistry is to review the latest developments of the surface treatments for biomedical applications in relation to electrochemical science and technology. This new volume of Modern Aspect of Electrochemistry brings to the scientists, engineers and students summarized results and new concepts of surface treatments for the biomedical applications which may have significant influence for the future practical applications.

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