

**BİYOMATERYALLERDE YÜZEY  
MODİFİKASYONLARI:**  
Metalik İmplantlarda Kaplamalar

**Yazarlar**

Demet ÖZAYDIN GÜNDÜZ  
Prof. Dr. Gökhan KÜÇÜKTÜRK



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# Önsöz

Biyomalzemeler, günümüzde tıp ve diş hekimliği alanlarında önemli bir role sahiptir. Özellikle metalik implantların kullanımı, kemik yerleşimi ve uzun vadeli başarı için yüzey modifikasyonlarıyla iyileştirilebilir. “Biyomateryallerde Yüzey Modifikasyonları: Metalik İmplantlarda Kaplamalar” başlıklı bu kitap, biyomedikal alandaki en son gelişmeleri ve metalik implantlarda kullanılan kaplama teknolojilerinin incelenmesini sunmayı amaçlamaktadır.

Bu kitap, metalik implantların yüzey özelliklerini optimize etmek ve biyouyumluluğunu artırmak amacıyla kullanılan çeşitli kaplama tekniklerini kapsamaktadır. Yazarlar, kaplama süreçlerinin temel prensiplerini, uygulama alanlarını ve avantajlarını açıklamakta; ayrıca, farklı materyallerin ve kaplama yöntemlerinin karşılaştırmalı analizlerini sunmaktadır.

Kitap aynı zamanda, biyomateryallerin biyolojik sistemlerle etkileşim mekanizmalarını anlamak ve kaplama teknolojilerini iyileştirmek için kullanılan yöntemlere odaklanmaktadır. Yüzey modifikasyonlarının biyolojik tepkileri nasıl etkilediğini anlamak, gelecekteki implant tasarımlarını geliştirmek için kritik bir adımdır.

Yazarlar, biyomateryal araştırmacılarına, doktorlara, diş hekimlerine ve ilgili endüstri profesyonellerine, metalik implantlarda kaplama teknolojileri konusunda bir el kitabı sunmayı hedeflemektedir. Bu kitap, metalik implantlarda kaplama teknolojileriyle ilgilenen herkes için değerli bir referans olacaktır.

İyi okumalar.

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