

Bölüm 11

ADLİ GENETİKTE NANOTEKNOLOJİ UYGULAMALARI

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“Modern bilim, biyolojik olaylara (yaşama) moleküler düzeyde bakmakta, özellikle çok hızlı ve çok sayıda paralel ve/veya art arda devam eden biyolojik reaksiyonları anlamaya ve buradan alacağı bilgiler ile esas olarak yaşam kalitesini arttıracak teknolojik gelişmeler sağlamaya çalışmaktadır.”

(Nanoteknoloji Strateji Grubu, 2004)

GİRİŞ

Bilim ve teknolojinin hızla geliştiği bu yüzyılda kriminal olaylar her gün artan bir hızla devam etmekte ve bu tür olayların çözümüne büyük katkı sağladığı dünyaca kabul edilen çeşitli analiz teknikleri suçların aydınlatılması ve suçluların tespitinde kullanılmaktadır. Adli bilimler alanındaki araştırmalarda amaç, tesadüflere yer vermeyerek insan etkisini mümkün olduğu ölçüde en aza indirmek ve laboratuvar faaliyetlerindeki geçerlilik ve güvenilirliği en yüksek noktaya taşımaktır. Adli bilim laboratuvarları, talep edilen test ve analizleri geçerli kılınmış metotlara uygun olarak, doğru donanım ve malzeme kullanarak ve gelişen teknolojinin nimetlerinden faydalanarak, eğitilmiş, deneyimli ve nitelikli çalışanlar ile yapmaktadırlar.

Adli Bilimler pek çok bilim dalını içerisinde barındıran multidisipliner bir yapıdır. İşlenen suçlar neticesinde olay yerinde bırakılan delilleri günümüzün mevcut bilimsel ve teknik yöntemleri yardımıyla inceleyip değerlendirerek yü-

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