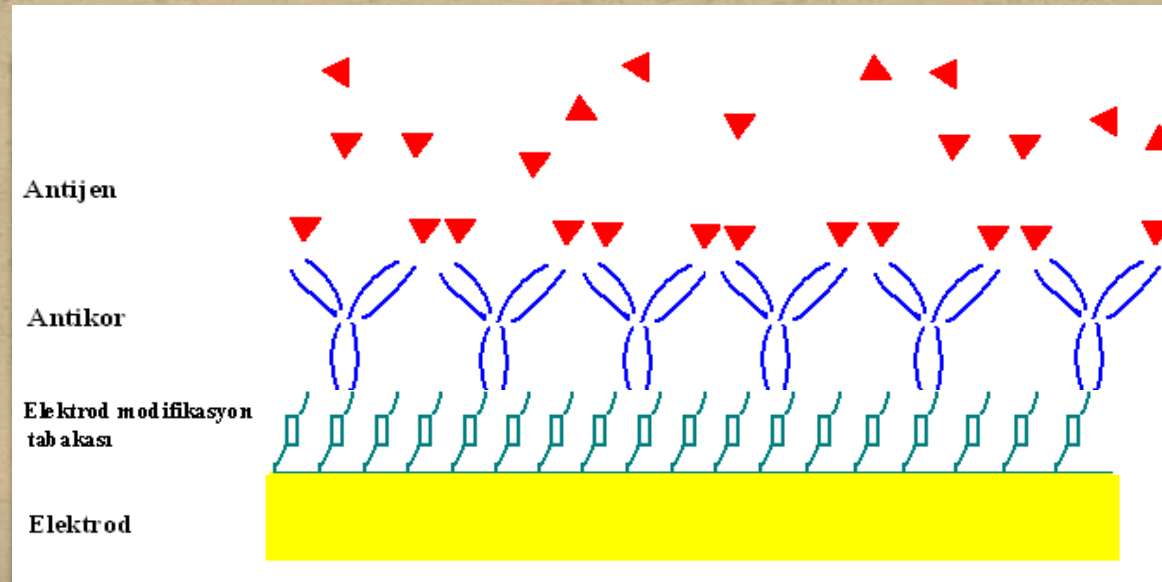
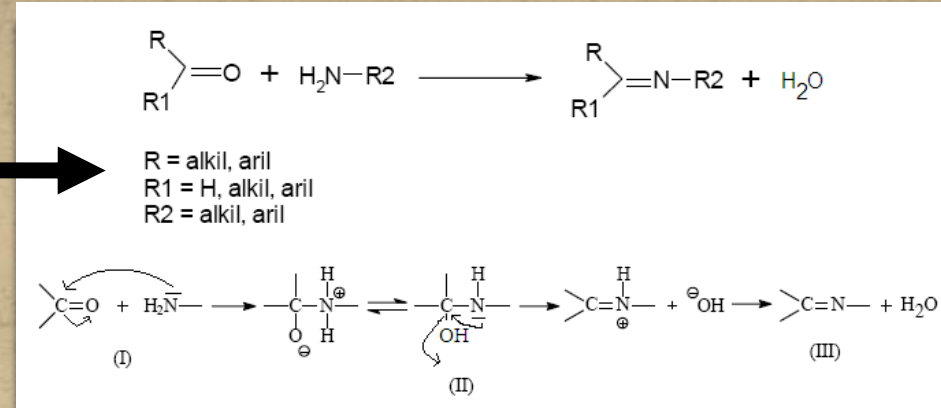
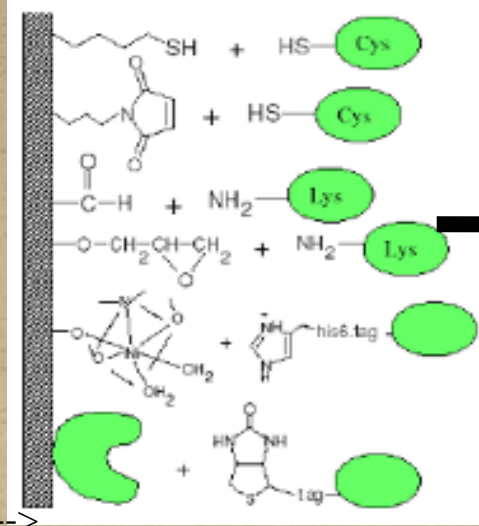


# Kimyasal Sensörler

- Sensör yüzeyi kimyası ve transdüser yüzeyi

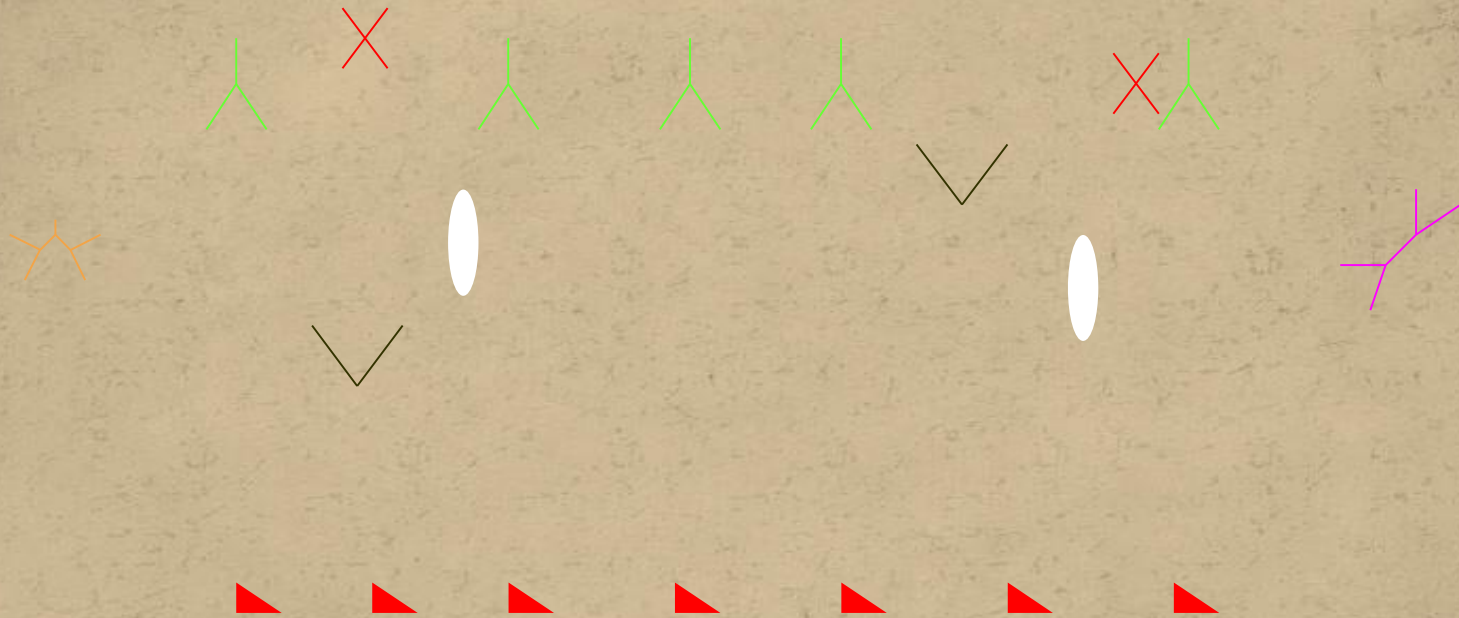
## Sensör Yüzeyi Kimyası ve Transdüser Yüzeyi

Tiyol.....  
 Maleimide.....  
 Aldehit.....  
 Epoxy.....  
 Kompleks.....  
 Streptavidin.....  
 Transdüser  
 (Elektrot)



Elektrot yüzeyi seçimli olarak antikor veya antijen ile hazırlanabilir

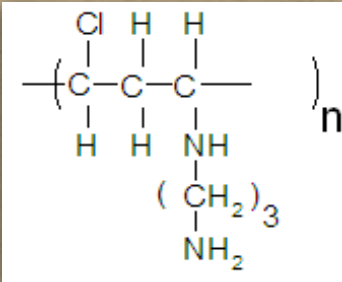
# Antijen-Antikor etkileşmesi



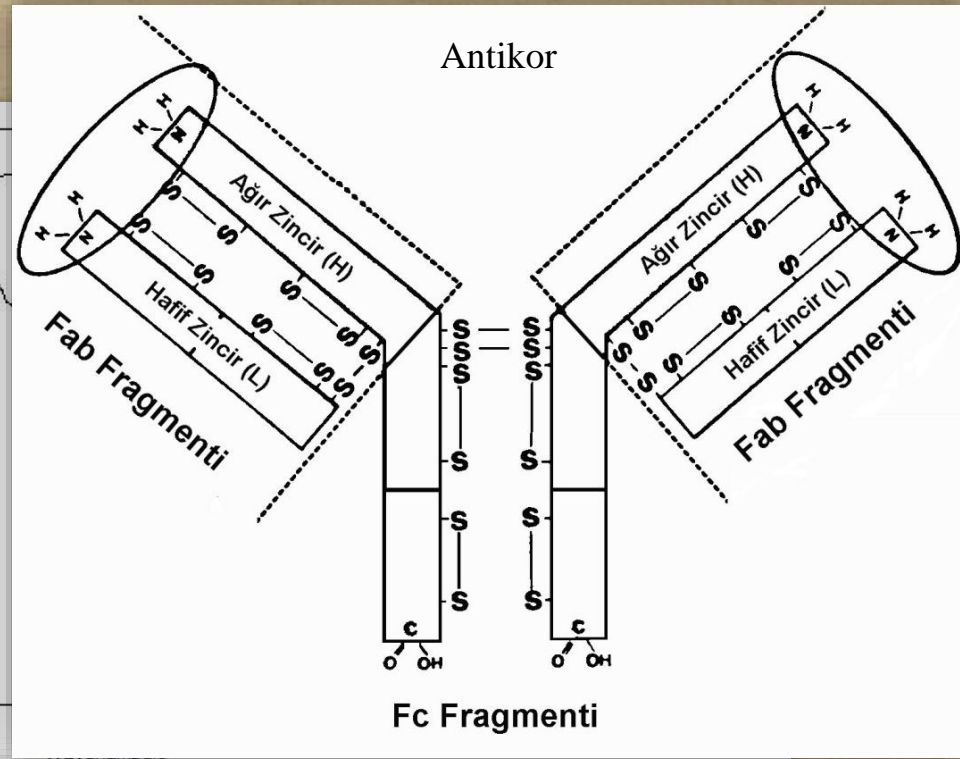
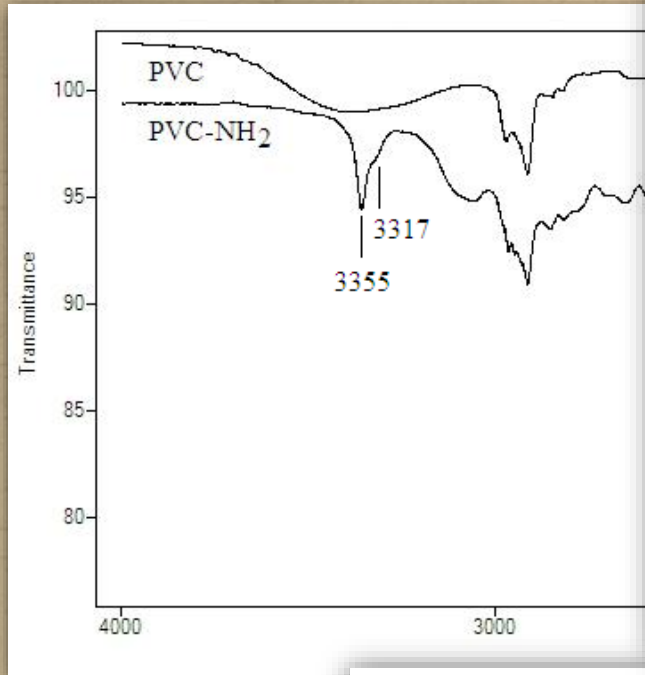
**Elektrot**

Elektrot yüzeyi seçimli olarak antikor veya antijen ile hazırlanabilir

# Aminlenmiş-Polivinil klorür (PVC-NH<sub>2</sub>) sentezi



● Element analizi: C, % 39.04; H, % 6.080; N, % 9.97



■ 3355, 3317 cm<sup>-1</sup>; -NH<sub>2</sub>

■ 1629 cm<sup>-1</sup>; R-C=N-

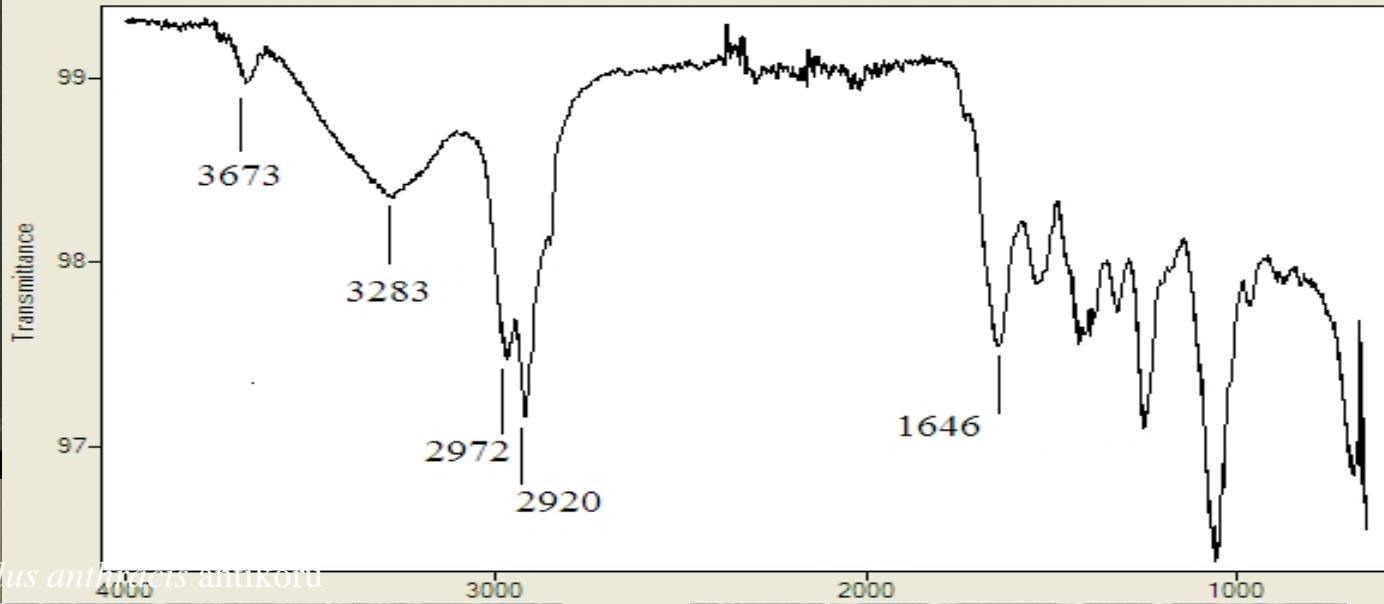
Elektrod modifikasyon tabakası

Elektrod



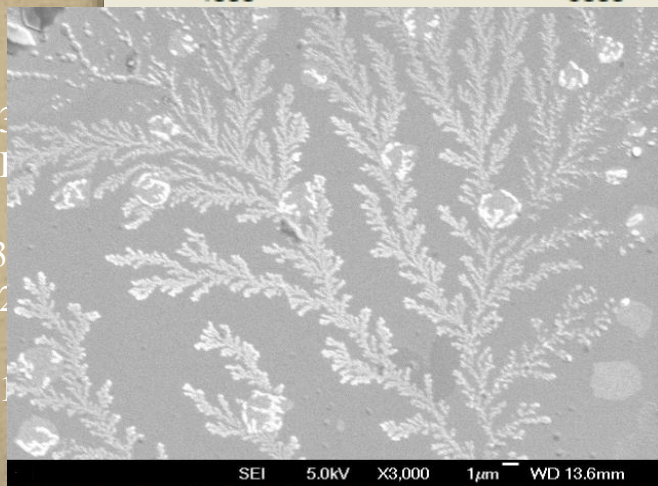
# PVC-NH<sub>2</sub> kaplı kristal yüzeyi – SEM ve FTIR-ATR

Fiksatif – Aminlenmiş PVC



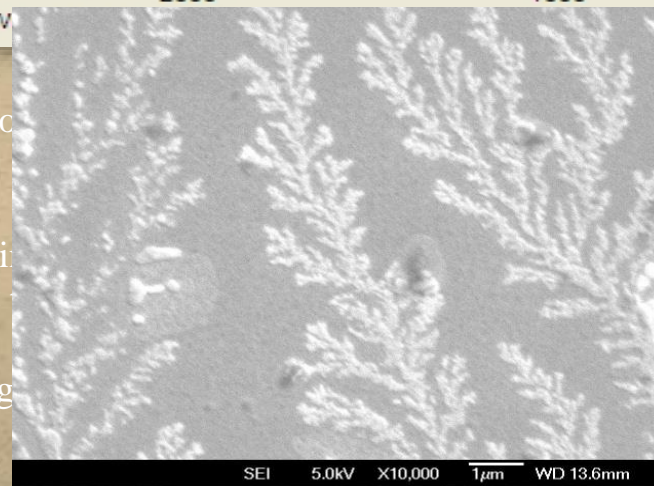
*Bacillus anthracis* antikorları

- 3
- -NH
- 3
- 2
- 1



3000x

■ i ; hidro  
■ i ; inter/i  
■ gerilme  
■ - konjug

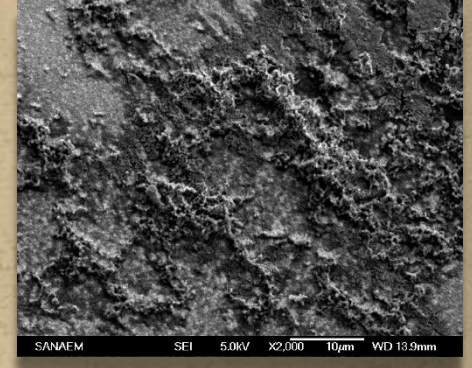
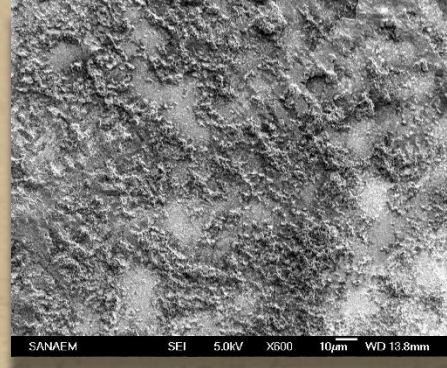
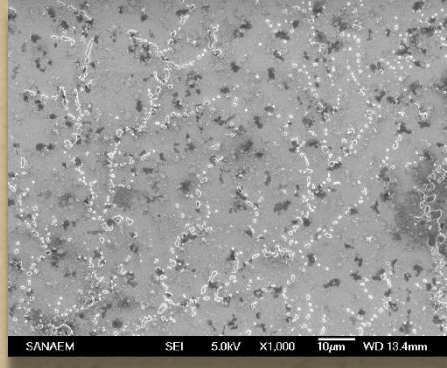
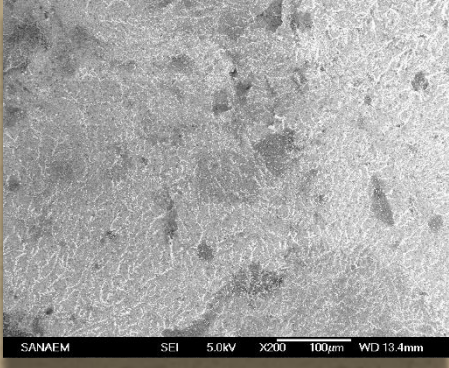


10000x

grupları

# Örnek: antikor - antijen etkileşmesi

Akrep



Antikor

Antikor-Antijen



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## Polymers in sensor applications

Basudam Adhikari\*, Sarmishtha Majumdar

*Materials Science Centre, Indian Institute of Technology, Kharagpur 721302, India*

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