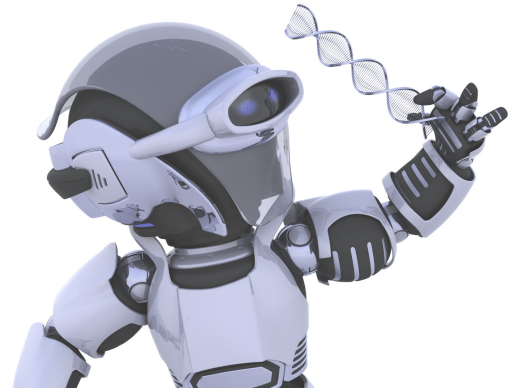




SAKARYA ÜNİVERSİTESİ

# FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ

Sakarya University Journal of Science (SAUJS)



SAKARYA  
ÜNİVERSİTESİ

e-issn: 2147-835X

SAÜ Fen Bil Der/SAUJS

Cilt/Volume: 25

Sayı/Issue: 1

Şubat/February 2021