

# Electrochemical cotinine sensing with a molecularly imprinted polymer on a graphene-platinum nanoparticle modified carbon electrode towards cigarette smoke exposure monitoring

[Kshama Parate](#)<sup>a</sup>, [Chandran Karunakaran](#)<sup>b</sup>, [Jonathan C. Claussen](#)<sup>a</sup>  

<sup>a</sup> Department of Mechanical Engineering, Iowa State University, Ames, IA, 50011, USA

<sup>b</sup> Biomedical Research Laboratory, Department of Chemistry, VHNSN College (Autonomous), Virudhunagar, 626 001, Tamil Nadu, India

Received 20 August 2018, Revised 26 January 2019, Accepted 7 February 2019, Available online 8 February 2019, Version of Record 16 February 2019.