

## Accepted Manuscript

An electrochemical biosensor based on hemoglobin-oligonucleotides-modified electrode for detection of acrylamide in potato fries

Maryam Asnaashari, Reza Esmaeilzadeh Kenari, Reza Farahmandfar, Khalil Abnous, Seyed Mohammad Taghdisi

PII: S0308-8146(18)31298-6  
DOI: <https://doi.org/10.1016/j.foodchem.2018.07.150>  
Reference: FOCH 23265

To appear in: *Food Chemistry*

Received Date: 17 June 2017  
Revised Date: 19 July 2018  
Accepted Date: 23 July 2018



Please cite this article as: Asnaashari, M., Kenari, R.E., Farahmandfar, R., Abnous, K., Taghdisi, S.M., An electrochemical biosensor based on hemoglobin-oligonucleotides-modified electrode for detection of acrylamide in potato fries, *Food Chemistry* (2018), doi: <https://doi.org/10.1016/j.foodchem.2018.07.150>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **An electrochemical biosensor based on hemoglobin-oligonucleotides-modified electrode for detection of acrylamide in potato fries**

Maryam Asnaashari<sup>1</sup>, Reza Esmaeilzadeh Kenari<sup>1</sup>, Reza Farahmandfar<sup>1</sup>, Khalil Abnous<sup>2,3,\*</sup>, Seyed Mohammad Taghdisi<sup>4,5,\*</sup>

<sup>1</sup>Department of Food Science and Technology, Sari Agricultural Sciences & Natural Resources University (SANRU), Sari, Iran.

<sup>2</sup>Pharmaceutical Research Center, Pharmaceutical Technology Institute, Mashhad University of Medical Sciences, Mashhad, Iran

<sup>3</sup>Department of Medicinal Chemistry, School of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran

<sup>4</sup>Targeted Drug Delivery Research Center, Pharmaceutical Technology Institute, Mashhad University of Medical Sciences, Mashhad, Iran

<sup>5</sup>Department of Pharmaceutical Biotechnology, School of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran

\* Corresponding authors: Dr. Khalil Abnous (abnouskh@mums.ac.ir) and Dr. Seyed Mohammad Taghdisi (taghdisihm@mums.ac.ir), Tel.: +98 513 1801112, Fax.: +98 513 882 3255

Download English Version:

<https://daneshyari.com/en/article/7583767>

Download Persian Version:

<https://daneshyari.com/article/7583767>

[Daneshyari.com](https://daneshyari.com)