

June 23, 2014



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 10540-review.doc).

**Title:** Arsenic exposure decreases rhythmic contractions of vascular tone through sodium transporters and K<sup>+</sup> channels

**Author:** Javier Palacios, Chukwuemeka R Nwokocha, Fredi Cifuentes

**Name of Journal:** *World Journal of Farmacology*

**ESPS Manuscript NO:** 10540

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

**Reviewer 1**

General

(1) We have enumerated the pages of the manuscript.

(2) The English and grammar of the entire manuscript have been corrected by a native English Speaker. We delete "called" (p.1, line 20), and "the" (p.1, line 22). We rewrite p.3, line 13 and line 15.

Abstract

(3) We delete the sentence beginning "vascular" in line 13 because the idea was repeated.

(4) We modify the sentence of the conclusion.

Introduction

(5) Under section "Vascular rhythmic contractions", we include VDCC and TRP channels as mechanisms involved in maintaining calcium oscillations.

(6) Ref 65: We removed the Ref 65 because it is out of context in this review.

**Reviewer 2**

Introduction

(1) We changed "The toxicity of this heavy metal ..." by "The toxicity of this metalloid ..."

(2) We indicated what the other natural sources of arsenic contamination in addition to water.

(3) Although we have no figures to indicate the areas of China that present contamination by copper smelters, we have included some epidemiological studies on exposure to arsenic in copper smelters workers, steel or iron in China.

Thank you again for publishing our manuscript in the *World Journal of Farmacology*.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Javier Palacios', with a stylized flourish at the end.

Javier PALACIOS, PhD  
Departamento de Ciencias Químicas y Farmacéuticas  
Facultad de Ciencias de la Salud  
Universidad Arturo Prat  
Iquique, 1110939-Chile.  
E-mail: [palacios.unap@gmail.com](mailto:palacios.unap@gmail.com)