



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_31440
Title of the Manuscript:	Activated Periwinkle Shells for the Binding and Recognition of Heavy Metal Ions from Aqueous Media
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Adsorption processes have been known over the years as the primary method of metal ions removal from polluted environment. Other methods used for the removal of heavy metals from wastes water effluents involved the use of chemical precipitation, evaporation, electrochemical treatment and the use of ion exchange resins. These methods have been found to be expensive and sometimes inefficient especially when the toxic heavy metals are present in low concentration. In recent years, the use of biomaterials in the sorption process as adsorbent for the removal of heavy metal ions from polluted waste water has been an emerging field of interest for many researchers. These biomaterials have gained importance due to their efficiency, low cost and ready availability. The use of periwinkle shells will add economic value and it provide a potentially inexpensive material that will be used for the removal of metal ions from aqueous media and help reduce the cost of waste disposal. In this case, the main objective of this study is to investigate the possibility of using periwinkle shells to develop a new low-cost adsorbent for the removal of Cr (II) and Zn (II) ions from aqueous media.	
Minor REVISION comments	The paper is well organized. But the manuscript is not ready for publication, as it requires a language revision	
Optional/General comments		

Reviewer Details:

Name:	Arnaldo Sarti
Department, University & Country	Department of Biochemistry and Chemical Technology, Institute of Chemistry (UNESP - Universidade Estadual Paulista, Campus Araraquara), São Paulo, Brazil