



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_30468
Title of the Manuscript:	QSAR Study of 3-Phenylamino-1,4-naphtoquinones Anti-Cancer Activities
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>)



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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	The paper describing QSAR of 3-Phenylamino-1,4-naphthoquinones is not suitable for publication in my opinion because it does not present sufficient achievements in comparison to previously published one. Biological data of examined compounds have been already published in 2010 . The structures of them are known already. The aim of the current paper is statistical analysis in the form of multiple linear regression methods. Correlation parameters obtained ($r^2=0.662$, $103 F=17.646$, and $s=0.34033$) for QSAR model are not excellent-high standard error, small F parameter and not very high Pearson coefficient.	Yes the structures of examined compounds are known already because the aim to find relation between descriptor and biological activity and the prediction of unknown compounds to synthesize or to predict the biological activity are other issues. Yes, QSAR model are not excellent but acceptable according to the conditions : $r^2 \geq 0.6$, If the standard deviation s is not much larger than standard deviation of the biological data., F value indicate that overall significance level is better than 95%, $Q_2 > 0.5$
Minor REVISION comments	-	
Optional/General comments	-	