



SDI FINAL EVALUATION FORM 1.1

PART 1:

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-naphthoquinones Anti-Cancer Activities
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
I still think that statistical analysis in the form of multiple linear regression methods with rather poor statistics is not sufficient to be outstanding scientific publication. Maybe the authors will decide to resolve statistical analysis applying more sophisticated methods of analysis.	Many authors consider high Q2 (for instance, $Q2 > 0.5$) as an indicator or even as the ultimate proof of the high predictive power of, the QSAR model. There are several examples of recent publications, in which the authors claim that their models have high predictive ability without validating them by use of an external test set: ➤ Gironbs, X.; Gallegos, A.; Ramon, C.D. J. Chem Inf Comput. Sci. 2000, 46, 1400-1407. ➤ Bordhs, B.; Kijmives, T.; Szant, Z.; Lopata, A. J. Agric. Food Chem. 2000, 48, 926-931. ➤ Fan, Y.; Shi, L.M.; Kohn, K. W.; Pommier, Y.; Weinstein, J.N. J. Med. Chem. 2001, 44, 3254-3263. ➤ Randic, M.; Basak, S.C. J. Chem. Inf. Comput.Sci. 2000, 40, 899-902. ➤ Suzuki, T.; Ide, K.; Ishida, M.; Shapiro, S. J. Chem. Inf. Comput. Sci. 2001, 41, 718-726.