



SDI Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_41128
Title of the Manuscript:	Theoretical Study of High-nitrogen Salts Composed of Amine Cations and Pyrazole-based Anions
Type of the 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>)

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	- Used molecule is not direct Pyrazole. It is derivative of pyrazole. Am I right? If yes, need to change the title of the part pyrazole based Anions. - In line 10, the "NH₃OH⁺" is not correct. - In line 12, mistake the -NO₂ front. - The fig . 1 and 2 are not clear. - Need working flow chart. - Must add the screen shots of working and optimization process in methodology. - The language of this paper is very poor. - In table 2, Ref. Needs for each vale of (ΔH_{of}(literature) in a column not in line 179 and 180. - In line 59, Gaussian G09 is the correct form as Gaussian 09. Am I right? - Add the standard value of heats of formation acts as sensitivity.	
Minor REVISION comments	- The term of "ionic salts" are known as ionic liquids, Author can use it as ionic liquids for specific use. - The no. Of equation 3, 4, 5, 6, 7 are not in same format. - All fig. Need clear image. - Scheme needs clearness. - Methodology is to write up more specific of Gaussian basis set. - Author did not mention that why use five member ring not six member?	
Optional/General comments	It is excellent and interesting work with simple example.	

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