



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_29063
Title of the Manuscript:	THEORETICAL STUDY OF COORDINATION OF SUCCINIMIDE, OF ITS N-HYDROXYLSUCCINIMIDE AND OF THEIR DEPROTONATED FORMS
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>)



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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	1 The first paragraph of the Abstract could be removed. Combine the second and the third paragraph of the Abstract. 2 The first sentence in section 2 could be removed. 3 In section 3, "The investigated ligands are shown on figure 1" should be changed into "The investigated ligands are shown in Figure 1." 4 Unify the format of the column "Average" in Table 1. Change all the data in this column into percentage. 5 Make sure references [2] and [20] completed.	1- The ABSTRACT is modified: "Transition metals complexes with a given structure could be alternatives in treatment of some incurable diseases because the coordination of active ingredients modifies deeply the physiological properties of metals and of ligands. This work is a theoretic study of the coordination of succinimide, of N-hydroxosuccinimide and of their deprotonated forms. The aim of this study was the determination of the more favorable coordination site of each ligand. It was found that the succinimide and N-hydroxosuccinimide form complexes via an imide oxygen atom. The succinimide deprotonated species forms a complex through the nitrogen atom. The deprotonated form of the N-hydroxosuccinimide can form a chelate via an imide oxygen atom and the oxygen atom from hydroxyl group. Calculations have been performed by DFT/B3LYP method in the 6-311g++(d,p) orbital basis set in the Laboratory of theoretical chemistry and Molecular Spectroscopy (LACTHESMO), Abomey-Calavi University between January and June 2016".



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		2- The first sentence in section 2 is removed. 3- In section 3, "The investigated ligands are shown on figure 1" is changed into "The investigated ligands are shown in figure 1." 4- All the data in the column "Average" in Table 1 is changed into percentage. 5- References [2] and [20] are corrected and completed.
<u>Minor</u> REVISION comments	None	
<u>Optional/General</u> comments	None	