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Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_36555**
Title of the Manuscript:	**Structural and solvent dependence of the electronic properties and corrosion inhibitive potentials of 1,3,4-thiadiazole and its substituted derivatives- a theoretical investigation.**
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	HOMO means Highest occupied molecular orbital, LUMO is Lowest unoccupied molecular orbital. It is written HOMO LUMO orbital energies.Delete orbital. The molecules are small. They should use larger basis sets for example 6-311++G(2d,2p). The sentence "The electronegativities of $-CH_3$ and $-NH_2$ are lower than that of unsubstituted 1,3,4-thidiazole" should be written again In Table 2 oscillator strength and excitation energies are not given. Relationship between electronic properties of molecules and experimental value should be given in more detail. Are there any experimental results as corrosion inhibitors for these substances.	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	***Fatma Kandemirli***
Department, University & Country	***Biomesdical Engineering, Kastamonu University, Turkey***