



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2015_ACSj_18204
Title of the Manuscript:	Electronic effect of substituents present on carbonyl compounds: Analysis of product formation in one-pot synthesis of 1, 3, 4-thiadiazole ring
Type of the Article	Short 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>)



SDI Review Form 1.6

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 manuscript titled <i>Electronic effect of substituents present on carbonyl compounds: Analysis of product formation in one-pot synthesis of 1, 3, 4-thiadiazole ring</i> concerns functionalized N-(4-acetyl-5-substituted-4, 5-dihydro-[1, 3, 4]-thiadiazol-2-yl)-acetamides which were synthesized by three-fold condensation of carbonyl compound, thiosemicarbazide and acetic anhydride in an one pot three component reaction. In the reaction substituents on carbonyl compounds have played a crucial role in yield of the product formation. Carbonyl compounds with either electron withdrawing or electron releasing substituents have formed better percentage of products than un-substituted and sterically hindered compounds. Authors have presented in the manuscript a new one-pot methodology for efficient preparation of functionalized 1,3,4-thiadiazole derivatives starting from carbonyl compounds. These functionalized thiadiazoles may be versatile scaffolds for the synthesis of heterocycles of potent biological activities. The manuscript <i>Electronic effect of substituents</i>	



SDI Review Form 1.6

	<i>present on carbonyl compounds: Analysis of product formation in one-pot synthesis of 1, 3, 4-thiadiazole ring</i> is significant in modern synthetic and biological active compound chemistry. Moreover, despite the fact the manuscript is connected with interested and modern scientific topic, the paper is written rather legible English, the version needs very minor revision. Authors should very carefully check the small and big letters in heads (line 43). Authors should also check the numbers of compounds (should be bold).	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Reviewer Details:

Name:	Anonymous
Department, University & Country	Wrocław University of Technology, Poland