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Journal Name:	**International Research Journal of Pure and Applied Chemistry**
Manuscript Number:	**2014_IRJPAC_12002**
Title of the Manuscript:	**Matrix Isolation and Theoretical Study on the Photolysis of CH2ClCOCl**
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:

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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	This paper is probably publishable, but should be reviewed again in revised form before it is accepted. Comments: this manuscript is very interesting. The main photolysis products of chloroacetyl chloride under UV light irradiation were CHCl=C=O and HCl while the minor products were CH_2Cl_2 and CO. The experimental and computational results proposed the reactions dominated by the concerted mechanism. However, I don't think this is a well prepared work at its present form. 1. The higher resolution figures should be submitted. 2. English in this manuscript should be improved. 3. Authors should elucidate the experimental results more logically. 4. The computational simulation was not explained and depicted clearly in the context. 5. The concerted mechanism is mentioned in the manuscript; however, it didn't interpret the experimental results more convincingly. 6. Fig.2 in the manuscript was not obviously described and pointed in the context.	
Minor REVISION comments		
Optional/General comments		

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Reviewer Details:

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