Date: 06.11.2016

To

The Editor

*Journal of the Serbian Chemical Society*

Dear Sir/Madam,

 Thank you for your valuable reports on our manuscript, “**Microwave Assisted Synthesis of Substituted 4-Chloro-8-methyl-2-(1,3-diphenyl-1*H*-pyrazol-4-yl)-1,5-dioxa-2*H*-phenanthren-6-ones and Their Antimicrobial Activity**”, which we submitted to ***Journal of the Serbian Chemical Society*** (**Ref. No. JSCS 2267**).

 Based on your advices, we incorporate revisions in manuscript. We consider all the comments of editor, here with submitting replies to editor’s comments as a file in addition to revised manuscript.

**Comment 1:** **Most important issue concerns to reaction applied for synthesis
derivatives 4. Namely, in Discussion authors said that they applied
Vilsmeier–Haack reagent (DMF/POCl3) for that transformation. Indeed,
reaction conditions described in Experimental section do correspond to
Vilsmeier–Haack conditions. However,   Vilsmeier–Haack reagent
(DMF/POCl3) serves for formylation of electron-rich aromatic ring, i.e.
introducing the aldehyde function, not for Michael reaction following with
SN2. We ask authors to comment such outcome, to clarify type of reaction and
mechanism which occurs since, according to claimed structures of derivative
4, they do not observed products of Vilsmeier–Haack reaction. Since
different outcome was observed, authors should provide copies of 1H and 13C
NMR spectra for all derivatives 4, as supporting material.**

*Reply*: We have taken up the synthesis as per literature and as per our previous work.

1. K. Hemanth Kumar, P. Thirumalai Perumal, *Chemistry Letters*, **34**, (2000), 10.
2. D. Ashok, B. V. Lakshmi, S. Ravi, A. Ganesh, *Med. Chem. Res*.**24** (2015) 1487.

And Spporting material has been provided.

**Comment 2:** **In mass spectra of derivatives 4e-g calculated values are given with 6
decimal places, and observed with 4. Please, harmonize that.**

*Reply*: That was fixed.

**Comment 3:** **In 1H NMR spectra of all derivatives 4 signals for H-9 were defined with
9 H-atoms. That must be explained. In addition, coupling constants for
direct coupling protons must be harmonized, for examples see 4c, 4d J values
4.5 and 4.6 Hz**

*Reply*: The doublet corresponding to H-9 was mixing up with multiplet corresponding to aromatic protons. So, we are representing the whole bunch of peaks as multiplet containing peaks of H-9 and aromatic protons as well.

**Comment 4: For derivatives that contain F atoms (3e and 4e), corresponding C-F
coupling constants in 13C NMR must be calculated.**

*Reply*: Coupling constants were given.