



INNOVATIVE CENTRE,
FACULTY OF CHEMISTRY Ltd.

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Response to Reviewers

For Prof. Dr. Branislav Nikolić,
Editor of Journal of the Serbian Chemical Society
And Prof. Dr. Miloš I. Đuran,
Inorganic Chemistry Sub Editor

May 16th, 2016
Belgrade

Dear Dr. Nikolić and Dr. Đuran,

We greatly appreciate your and Referees' efforts to carefully review the paper. We do find all the suggested corrections very helpful and valuable as they were made for improving our manuscript. Hopefully, we responded to all concerns raised by the Referees. We incorporated and highlighted all the corrections in revised manuscript.

Please note our responses to the specific points in the appendix to this letter.

As we believe we have made the following revisions accordingly, we would like to ask you to consider our revised manuscript for publication in Journal of the Serbian Chemical Society.

Best wishes,
Ljiljana Mihajlović-Lalić

Appendix: Detailed responses to Reviewers' comments

Reviewer A:

1. Are the references appropriate and free of important omissions? No

We apologize for omissions and we made requested changes.

2. In an enumeration the measure units must appear only at ends.

We have taken this remark into account and we made corresponding corrections.

3. The evolved moieties in first decomposition stage are HCl for complex (1) and HPF6 for complex (2). The found mass loss must be recalculated and I think that will be more appropriate with the theoretical one.

Response for complex (1): We find this remark very constructive and we made suitable changes according to Reviewer's comment.

Response for complex (2): We agree with Reviewer comment that theoretical calculation for HPF6 fragment would give better match with experimental value. However, we were led by the fact that PF_6^- is the only fragment found in the outer coordination sphere. Outer-sphere ion is generally weakly bonded to the first coordination sphere. Taking this fact into account, we supposed this should be the first fragment to leave the complex (2). Beside this, we would like to mention already confirmed way of fragmentation in mass spectra quoted within publication (24) when only $[\text{M}-\text{PF}_6]^+$ molecular ion could be detected. Since this is a common way of fragmentation for this type of Ru(II) complexes, our proposed calculation should be properly justified.

4. At page 7 (row 198) and Fig. 3 the interval must be: $0.2 < \alpha < 0.8$

We thank you for noticing this omission that is corrected.

Reviewer C:

1. Is the manuscript clearly and concisely written? No

We are grateful for all corrections suggested by the Reviewer which we believe improved quality of the manuscript. We have made all suggested corrections in order to represent our study in clear and concise way.

2. Are the English grammar and syntax satisfactory? No

All suggested changes are inserted as requested.

3. The manuscript will need some significant rewriting for clarity and readability. Attention should be paid to the use of articles (often missing) and sentence structure. Corrections are penciled-in directly on pages of the manuscript attached. These are indicative of the kinds of changes needed throughout; personal pronouns should be omitted; a solid cannot be filtered, a mixture may be filtered and the solid collected.

We agree with the Referee and we changed text as requested.