COVER LETTER

To: Dr Snežana Gojković

Editor,

Journal of the Serbian Chemical Society

Dear Editor,

I am sending revised manuscript, which title is **“Electrochemical study of novel composite electrodes based on glassy carbon bulk-modified with Pt and MoO2 nanoparticles supported onto multi-walled carbon nanotubes“**.

The cover letter contains comments of authors on the questions of reviewer.

**1) The last paragraph of the Introduction, page 3:**

**„Nanoparticles/carbon matrix/electrolyte solution form three phases  
contacts which are responsible for specific electrochemical behaviour of  
electrodes. On the one side, there are kinetics limitations related to  
electron transfer hindrances during redox proces at electrodes. On the other  
side, accumulation af charge and electrosorption is responsible for high  
capacitance.“**

**a) The quoted discussion related to the results of this work should be  
presented in the Results and Discussion section, not in the Introduction.**

The quoted text has been removed to the Results and Discussion section.

**b) Please clearly state in the last paragraph of the Introduction that the  
MWCNTs modified with MoO2 and Pt nanoparticles were used in this study.**

It has been corrected.

**c) Instead of “proces” should be “process”.**

It has been corrected.

**2) Experimental, Composite electrode preparation, page 4:**

**„Small amount of residual oxygen, as well as oxygen from functional groups  
in resin during carbonization step could produce specific structure and  
chemical composition of final material. MWCNTs provide mechanical stability  
of electrode and contribute to electric conductivity, while Mo species and  
Pt enhances electrochemical characteristics of materials. Pt and chemical  
species of generated during carbonization of resin containing MoO2 can be  
efficient electrocatalysts for water decomposition. The chemical species  
formed during carbonization of resin containing MoO2 are or carbides or  
non-stoichiometric oxides of Mo or even elemental Mo.  All these species are  
known for their good electrocatalytic performances.“**

**The quoted text does not belong to the Experimental section. Please remove  
it to the Results and Discussion section (and adjust it if necessary).**

The quoted text has been adjusted and removed to the Results and Discussion section.

**3) At least part of your response to my previous Comment #4a should be  
included in the manuscript. For instance, please state in the Results and  
Discussion section that the porosity and specific textural characteristics  
of MoO2-MWCNT-GC and Pt-MWCNT-GC were most likely responsible for their  
improved charge storage and areal capacitance as compared to commercial GC.**

The author`s response has been added in the manuscript, more precisely in the Results and Discussion section.

**4) Supplementary Material, page 1:**

**Instead of “as well 6 as M NaOH” should be “as well as 6 M NaOH”.**

It has been corrected.

**5) Fig. S-2a:**

**The cyclic voltammogram recorded on the GCE at a sweep rate of 50 mV s–1  
is missing. Please provide it in the figure.**

It has been corrected.

**6) Fig. S-2c:**

**The color of the cyclic voltammogram recorded at a sweep rate of 10 mV s–1  
and its color code in the legend of the figure are not same. Please  
harmonize.**

It has been corrected.

**7) Caption of Fig. S-2:**

**It is stated in the caption of Fig. S-2 that the cyclic voltammograms were  
recorded on GCE, MoO2-MWCNT GC and Pt-MWCNT GC at the sweep rates of 0.01,  
0.025, 0.05, 0.1, 0.15, 0.2 and 0.25 V s–1. However, Figs. 5 and S-2 show  
that the cyclic voltammetry measurements were actually performed at the  
following sweep rates: 5, 10, 20, 50 and 100 mV s–1. Please revise the  
information given in the caption.**

It has been corrected.

**8) Page 11, line 6:**

**Instead of “qausi-reversible” should be “quasi-reversible”.**

It has been corrected.

Sincerely,

Jelena Čović,

Ph. D. Student

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