**RESPONSE TO REVIEWERS**

**Response to Reviewer A:**

General remarks

The term novel for levan and pullulan should be sparingly used since the
structure of these polysaccharides is known for decades. These
polysaccharides are only new as coating agents for CeO2 particles.

**The term novel was deleted in the text except line 59 where it is mentioned that levan and pullulan are novel compounds for coating CeO2.**

The references should be given in the style requested by the Journal of the
Serbian Chemical Society. For example, the journal abbreviation should be
given; in ref. 30 the journal abbreviation is not correct, etc. Please,
recheck the references.

**The references abbreviations and style were corrected.**

The concentrations should be given in SI units.

**It was done (line 122, 131 and 232 - in Fig 5.)**

Specific remarks

Line 78 - There is something wrong in stoichiometric equation (1). The number
of oxygen and hydrogen atoms on the left side of equation is higher than on
the right side of equation. Although the equation is already given in
reference 31 in the same form, the equation should be stoichiometrically
correct.

**The equation given in reference 31 was changed. The number of oxygen and hydrogen atoms is the same on both sides of equation, so the equation is stoichiometrically correct now.**

Line 105 - No need to mention the XRD method for determination of crystallite
size since the results of this method are not given in the part RESULTS AND
DISCUSSION.

**This sentence was deleted.**

Line 110 - The term girders is not appropriate. I believe that the authors
meant grid. The whole sentence should be rephrased in order to be more
correctly written in English.

**The term girders was changed in grid and the sentence was rephrased.**

Line 155 - There is a formulation in brackets “data not shown” that
probably refers to the influence of temperature not time, since the
influence of coating time is given in Fig. 2B.

**It was changed in “influence of temperature” (line 154).**

Line 173 - The weak bands at around 2920 cm-1 and 2850 cm-1 that corresponded
to asymmetric and symmetric vibrations of C-H in CH2 stretching frequencies
are hard to detect in presented spectra. The authors might consider
enlarging the part of spectra where these bands appear in order to emphasize
the presence of these bands.

**These bands were enlarged in Supplementary Fig 3.**

Line 187 - The absorption at 1400 cm-1 is not marked in Fig 3. in spectra of
uncoated CeO2, and since it is not expressed in spectra, should be eliminated
from text. On the other hand disappearance of the absorption at 1505 cm-1
from spectra of CONP coated with the investigated polymers and glucose was
not discussed.

**The absorption at 1400 cm-1 was eliminated from the text. Disappearance of the absorption at 1505 cm-1 from the spectra of coated CONPs was discussed (line 188-191).**

Fig.5. The number of important digits for R2 is too high.

**The number of important digits for R2 was presented with 2 decimal places.**

The Conclusion should be more detailed in direct conclusions driven from
presented work.

**It was done (lines from 267 to 281).**

Text in Serbian language should be rephrased in order to be idiomatic.

**It was done.**

**Response to Reviewer B:**

ADDITIONAL COMMENTS

Please indicate the page numbers for suggested corrections.
Please, be as specific as possible if major correction by the author(s) is
recommended! :

     Page 4, Reaction on line 78: what is –δ in the reaction? Also on the
left side H20 (with zero instead O) is used instead of H2O.

**-δ means oxygen nonstoichiometry, i.e. there is a lack of oxygen in the formula. It’s correct to be CeO2- δ because it indicates that pores of Ce4+ ions also have Ce3+ ions, which have less than 2 oxygen atoms. That there would be no confusion, we eliminated –δ and wrote correct equation. 1/2 O2 means that oxygen is taken from the atmosphere during the reaction.**