April 21, 2017

Prof. Dr. Jasna Djonlagic

Sub Editor

Journal of the Serbian Chemical Society

Ref. No.: JSCS-PM-4538

Title: **“Effect of nano- and micro-alumina fillers on some properties of poly(methyl methacrylate) denture base composites”**

Thank you for giving us another opportunity to improve our manuscript. We have tried our best to make the necessary corrections according to the Reviewer’s Comments. The itemized corrections are appended below. Besides, we have carefully checked through the whole manuscript and corrected some mistakes. We hope the revised paper would satisfy you and the reviewers.

Thank you.

Yours sincerely,

Fathie A.M Kundie

On behalf of my co-authors.

Universiti Kebangsaan Malaysia

**Answers to Reviewer #B Comments**

**Comment 1:**

**There are two phrases in the text that I would rephrase; I comment that in the manuscript they are both in page 15**

1. It seems that something is wrong with the beginning of this sentence “I addition,”
2. Reformulate this sentence “which is in consistent with FTIR”
3. I would say behaviour “This attitude”

**Response to the comment**

1. Changed to “In addition”
2. Changed to “which is consistent with FTIR results”
3. Changed to (This behaviour)

**Comment 2:**

**The images provided show the good dispersion of particles in the matrix, but in the** **discussion the authors explain the mechanical behavior of the material trough** **agglomerates that are not seen in any image. This puzzles me a bit.**

**Response to the comment**

To be clear we inserted this phrase on page 13, paragraph 2 (line 13);

(i.e., decrease in fracture toughness)

**Comment 3:**

**I would also ask the authors to say what crystallographic form of alumina particles are they** **using in this research.**

**Response to the comment**

Corundum, ICDD 00-10-0173

**Comment 4:**

**When you discuss the thermal stability of composites compared to pure PMMA it is not exact what you want to say, weather the composites are more stable or the composite with nanofiller is the best of all three.**

**Response to the comment**

**Original sentence:** “Comparedtopure PMMA, the PMMA/Al2O3 composites are the most thermally stable”

**Changed to:** “Comparedtopure PMMA, the PMMA/Al2O3 composites are more thermally stable”

**Comment 5:**

**This comment on page 11, paragraph 3 (line 3);**

**What Al2O3 micro or nano**

**Response to the comment**

Al2O3- micro and nano-composites

**Additional Corrections**

1. Fig. 7 on page 12 has modified.
2. Page 13, paragraph 2 (line 3 & 4), this sentence “increasing filler volume fraction resulted in decreased flexural strength, and improved flexural modulus” has deleted because it is a repetition for the next one.