REVIEWER COMMENTS:

Authors have evaluated very interesting topic in a manner that included all necessary tests. Therefore, I strongly suggest that paper should be published with some small corrections that will give extra quality to this paper.

1. In the paragraph row90-98 (page 3) is given the goal of the study. My opinion is that it should be extended, with maybe just one sentence, explaining that recycling, and cost reduction should be considered only if no health hazard is introduced.

**This part of the text was extended according to the suggestions of the reviewer: a sentence was added, and the existing sentence was rearranged.**

2. Experimental part – Title of table II. All text after first sentence should be transferred to paragraph preceding the table II.

**Experimental part: all the text after the first sentence was transferred into the body text**

3. Figure 1. Since more than two microconstituents are mentioned in text, please place arrows on figure depicting interdendritic regions and present precipitates.

**The authors deliberately wanted to avoid denotation in the Figure (1) because of clarity, and denotation of regions (dendrite, and interdendritic region)** **was given in the Figure 4.**

4. Caption below figure 1 should be modified: Figure 1. Effect of number of recasting on the alloy microstructure: (a) once casted, (b) four times and (c) eight times casted; SEM (BSE) images.

**Caption below figure 1 was modified according to the suggestions of the reviewer.**

5. Caption below figure 4 should be modified: Figure 4 Macrohardness (a) and microhardness measurements of individual region dendrite (b) and interdendritic region (c) in once casted sample; SEM (SE) images of selected regions.

**Caption below figure 4 was modified according to the suggestions of reviewer.**

6. Caption below figure 6 – second and third sentence should be placed in text, paragraph before fig 6.

**Part of caption of Figure 6 was placed into the text, just before fig. 6.**

7. Caption below figure 7 – second and third sentence should be placed in text, paragraph before fig 7.

**Part of caption of Figure 7 was placed into the text, just before fig. 6.**

8. I suggest that a comment on acceptable level of release of Fe and Co should be commented.

**Level of release of Fe and Co in this study was commented. Extra sentence was added as explaination.**

List of typing corrections

ROW Original Corrected

9 of Co-Cr of commercial Co-Cr

68 ofbio of bio

70 electrolytebaths electrolytebaths

97 all three kinds of casts all three casts

135 withdiamond with diamond

142 hydochloriy hydrochloric

178 KH2PO4 KH2PO4

180 piece sample

220 share distribution

259 depends mainly on depends on

364 10th to 22nd 10th to 22nd

404 ливења претапања

408 гвожђа железа или Fe

410 гвожђа железа или Fe

**All typing corrections are done.**