**Dear Prof. Bojan Radak,**

Attached you will find the revised revision of manuscript Number: 5451 and entitled “**Synthesis of CaO/Fe3O4 magnetic composite for the removal of Pb (II) and Co (II) from synthetic wastewater**” according to the reviewer’s comments. The answers to the reviewers are appended below. Please kindly let me know if you received it safely.

Best regards

Dr. Hossein Esmaeili

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**Reviewer A:**

Does the manuscript contain enough significant original material?:

yes

Is the manuscript clearly and concisely written?:

yes

Are the conclusions adequately supported by the data?:

yes

Does the manuscript give appropriate credit to related recent publications?:

yes

Are the references appropriate and free of important omissions?:

yes

Is the length of the manuscript appropriate?:

yes

Does the manuscript need condensation or extension?:

yes

Is the quality of the figures (including legends and axes labelling) satisfactory?:

yes

Are the nomenclature and units in accordance with SI?:

yes

Are the English grammar and syntax satisfactory?:

no

**Response:**

The manuscript is checked thoroughly and the language is revised carefully to avoid any grammar or syntax error. We believe that the language is now in the acceptable level.

**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! :

This paper is spoken about Pb and Co removal by CaO/Fe3O4 composite. I found this manuscript sound and original with strong tests. However, before publishing the following comments should be addressed:

Abstract:

Abstract should be more concise with more emphasis on core data.

**Response:**

Correction was done as suggested.

Introduction:

L27: “Recently, Water pollution…” please correct it to “Recently, water pollution…”

L36: “…from Cobalt salts in nuclear…” please correct it to “…from cobalt salts in nuclear…”

L52-53: (lead and cobalt)

**Response:**

Corrections were done as suggested.

Stock solution:

L65: were usesd!!

Do authors are ensuring about the acid and base molarities (1 M), I think 0.1M is enough.

**Response:**

This is text error and has corrected. We have written 0.1M in L92.

Characterization of adsorbent:

L99: Please delete “(Fig 5)”.

**Response:**

Correction was done as suggested.

Adsorption experiment:

L103: cobalt and lead ions

L110: Please use “Where:” instead of “Where”

**Response:**

Corrections were done as suggested.

Table 1:

What is meaning of “N” in the table. Please define it in the bottom of the table.

For all Figs and Table please used “Co and Pb” not “co and pb”.

During the text please use Fig or Figure (according to journal guidelines).

**Response:**

Corrections were done as suggested.

Effect of pH:

L163: You say “Optimum uptake” I say “optimum uptake”

For all Tables and Figures: please present the test conditions (if applicable).

**Response:**

Corrections were done as suggested.

Kinetic Study:

Please use k1 and k2 instead of K1 and K2.

Figure 12: the equation and R2 value are not useful, please omit it.

**Response:**

Corrections were done as suggested.

References:

Please consult these references in the text:

Ahmadi M. et al., Synthesis of chitosan zero-valent iron nanoparticles-supported for cadmium removal: Characterization, optimization and modeling approach, Journal of Water Supply: Research and Technology - AQUA, Volume 66, Issue 2, March 2017, Pages 116-130.

Papari F. et al., Fluoride ion removal from aqueous solution, groundwater, and seawater by granular and powdered Conocarpus erectus biochar, Desalination and Water Treatment, Volume 65, February 2017, Pages 375-386.

Ahmadi M. et al., Physico-chemical study of dew melon peel biochar for chromium attenuation from simulated and actual wastewaters, Korean Journal of Chemical Engineering, Volume 33, Issue 9, 1 September 2016, Pages 2589-2601.

Fooladvand, M, Adsorption potential of NH4Br-soaked activated carbon for cyanide removal from wastewater, Indian Journal of Chemical Technology, Volume 22, Issue 5, September 2015, Pages 183-193.

**Response:**

Corrections were done as suggested.

General comments:

The English editing is required for this manuscript.

**Response:**

The manuscript is checked thoroughly and the language is revised carefully to avoid any grammar or syntax error. We believe that the language is now in the acceptable level.

**REPORT:**

The paper could be published after moderate revised.

In my opinion, this manuscript should: be published after major revision and additional review

**Responses:**

Many thanks.