**Author’s checklist for manuscript submission**

**Important note:**

a) The corresponding author is kindly advised to read this document carefully and fill this checklist on behalf of the co-authors and return it to the guest editors.

b) Kindly place a tick mark **(√ meaning YES**) or a cross mark (**× meaning NO**) in each row in order to confirm the approval/denial of the checklist.

c) Do not leave any box unanswered. This checklist will take **at least 4-5 hours** to complete and we encourage all the authors to check the manuscript carefully before answering the items specified with a √ or × sign.

d) The authors are advised to strictly follow the author guidelines of the journal and also the guidelines provided in the checklist by the guest editors.

**e) Please provide the following details:**

Manuscript title:

Sustainable resource recovery from waste: Leaching and precipitation of SiO₂, Al₂O₃, and MgO from slag, aluminum cans, and bittern waste

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**CHECK LIST**

| **Aspects to be carefully considered while preparing the manuscript** | **Indicate your response (√ or ×)** |
| --- | --- |
| 1) The title is concise and it reflects the contents of the manuscript | **√** |
| 2) All the names and affiliations of the authors are written correctly | **√** |
| 3) There is only one corresponding author for the manuscript | **√** |
| 4) The manuscript should contain a list of keywords (mandatory):  - Provide a maximum of 6 keywords  - Avoid using abbreviations | **√** |
| 5) Abstract is less than 200 words  - State briefly the purpose of the research, the principal results and major conclusions | **√** |
| 6) Introduction  - Do not summarize the existing literatures in this section  - The main and specific objectives of this work are clearly specified as (i), (ii), (iii), etc. in the form of a continuous text  - Provide recent literature references on the topic | **√** |
| 7) Materials and methods  - All the methods and techniques used in this study are clearly explained  - Source of biomass, inoculation, conditions tested, etc are specified  - The name of the instruments used, their model number, country of manufacture, etc are specified  - Grade of chemicals used in this study is mentioned  - Sample collection, pre-treatment done on the samples, etc, should be specified clearly  - Specify the analytical conditions used to quantify the samples, column specifications in the case of a gas chromatograph, etc  - Statistical analysis of the samples, the use of duplicate or triplicate measurements, analysis of variance (ANOVA), etc should be clearly stated in one sub-section  - Details of the software’s used should also be specified | **√** |
| 8) Results and discussions  - Results and discussions can be separate or combined together  - If they are separate, avoid presenting the results once again in the discussions  - Provide more mechanism oriented scientific discussions and cite adequate literatures to support the facts presented in the manuscript  - Wherever applicable, provide stoichiometric equations and facilitate good science based discussions | **√** |
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