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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4863** |
| Title of the Manuscript: | **Distribution of chemical elements in River waters** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript holds significant importance for the scientific community as it provides a comprehensive assessment of Romania's surface water quality using advanced analytical techniques. By integrating ICP-MS with chemometric methods such as LDA, the study offers a robust approach for detecting and interpreting variations in heavy metals, macro elements, and rare earth elements (REEs).** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract is comprehensive and well-structured, covering key aspects such as the study's objectives, methodology, findings, and conclusions.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript appears to be scientifically sound, as it follows a structured approach by employing ICP-MS for chemical analysis and statistical methods (ANOVA, LDA) for data interpretation. These are widely accepted techniques in environmental science and analytical chemistry, making the study methodologically robust.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality of the article are **mostly suitable for scholarly communication**, but **several areas need improvement** to enhance clarity, coherence, and professionalism |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *Based on the provided abstract,* ***no immediate ethical concerns*** *are apparent in this manuscript.* |  |

**Reviewers:**

**Maryam Arshad, Kohat University of Science and Technology , Pakistan**