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| Journal Name: | [**South Asian Research Journal of Natural Products**](https://journalsarjnp.com/index.php/SARJNP) |
| Manuscript Number: | **Ms\_SARJNP\_134924** |
| Title of the Manuscript: | **Molecular Spectroscopic (FTIR and UV-Vis) and Hyphenated Chromatographic (GC–MS) Characterization of bioactive compounds present in different solvent fractions of extract of leaf of Cola hispida BRENAN & KEAY STERCULIACEAE** |
| Type of the Article |  |

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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.** |  |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** |  |  |
| 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. |  |  |
| Is the manuscript scientifically, correct? Please write here. |  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | The study effectively combines multiple analytical techniques (FTIR, UV-Vis, and GC-MS) to provide a comprehensive phytochemical profile of *Cola hispida*. The research addresses the limited existing data on this traditionally important plant, which is a key strength. The interpretation of spectral data (FTIR and UV-Vis) and chromatographic results (GC-MS) is generally sound, linking specific chemical features to compound classes. The discussion of the variations in phytochemical content across different solvent fractions logically connects to the polarity of the solvents used.  The manuscript is well-organised, with clear descriptions of the methodology and presentation of results in tables and figures. However, improving the resolution of figures would enhance the overall presentation. | Authors agree with reviewer’s comments.  However, the resolution if images submitted are the best forms of images generated by the instrument. The model of the UV-VISIBLE Spectrophotometry used for instance in the characterisation of the fractions was Thermo Scientific Corporation Genesys10 UV Visible Spectrophotometer, which does not generate soft copies. The spectra was first printed on paper, and then photographed into an image. While the resolutions may not be high, the images are clear enough to be seen. |

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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?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |