

SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_126203
Title of the Manuscript:	DNA Barcoding assisted authentication of polyherbal formulation – Triphala
Type of Article :	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
2.Revised-ms_JABB_126203_v1 Changes made in conclusion are satisfactory to limit the conclusion to this study. However, In analysis of raw materials of herbal origin morphological evaluation and microscopic evaluation are essential and sufficient to ensure botanical identity of the herb. Chemical analysis gives an idea about presence of active constituents. DNA barcoding is not essential in routine herbal raw material analysis. Manufacturers has to carry out analysis of raw materials very frequently hence they require cost effective, feasible and fast methods in which preparation of sample or sample solution does not consume much time.	Thank you for your valuable feedback. There are many scientific reports stating that morphological and biochemical evaluation can lead to misidentification of the herbal species. There are several plants showing similar morphological characteristics and can be falsely identified by the lack of expertise of collectors which may lead to severe health hazards. Molecular identification can provide much efficient and accurate identification of the species. With the proposed technique, the herbal species can be authenticated in a single step PCR reaction.