



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_31499
Title of the Manuscript:	Performance of sand and wood fibres in tertiary treatment of effluent discharged by lagoons
Type of Article:	

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The research paper should be completely cleared. 1- The authors are requested to pre-estimate capital costs associated with the construction filters for 1 m³/d influent as a table presented and discussed. Moreover, this estimation requested to compare with other reported literatures, possibly. Authors mentioned that they have not been able to estimate the cost of the technology at this stage. This will be done later when we will work on a larger scale. But, it should be recognized that financial analysis could be a valuable tool for examining sustainability of presented process and technology. At this stage, a pre-estimation of economic analysis should at least done for 1m³/day of inflow based on the results generated by bench scale trials. 2- Author mentioned that the introduction has been reviewed and improved. But still there is no any literature review regarding similar studies in other literatures. Through adding new literatures, the references section would be enriched. 3- The Section MATERIALS AND METHODS are still need to improve. It should be include the sub-sections as following: - The characteristic of inlet wastewater, - Chemicals and instrumentation (with name of company, with model and country), - Pilot plant setup, - Start-up and acclimatization, - Operational procedure, - Wastewater sampling and analysis (here, the method of Bacterium identification should also explain), - Statistical analysis (formula used for calculations). 4- Pilot plant setup section should include a Schematic diagram Figure of the systems with dimensions (mentioned on the figure) that are used. The Operational procedure should also include Q (L/day).	1- The investment cost was estimated. . We have referred to other authors who have worked in the same field. 2- We have reviewed the literature to improve the document. To this end, several authors who have carried out similar work have been cited. At the same time, the references section was enriched. 3-The Material and Method section has been reviewed and improved with subtitles introduced in accordance with the reviewer's recommendations concerning: characteristic of inlet wastewater, Chemicals and instrumentation (with name of company, with model and country), Pilot plant setup, Start-up and acclimatization, Operational procedure, Wastewater sampling and analysis (here, the method of Bacterium identification should also explain), The statistical analysis was made explicit by the formulas. 4 -A diagram of the pilot was given with indications on the dimensions of the various layers. The operating procedure mentions as a daily rate of hydraulic load was 50 l / m² / twice, ie 100 l / m² / day.