



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_8772
Title of the Manuscript:	Performance Analysis of Parabolic Trough Collector in Hot Climate

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Still many errors persist. See corrections to the abstract I dare to suggest. Instead of: The present model use The proposed model; in the existing models use in existing models; A review of the correlations use A review of the equations; new correlations are implemented use new equations were developed and used in the ...; and the mixed convection in use and mixed convection in; in the previous studies, are also taken into account in the present developed model use in previous studies, are included in the proposed model; Kuwaiti house use Kuwaiti dwelling; smallest incident angle use smallest angle of incidence; when a vacuum is present in the annulus between the receiver surface and the glass envelope, the conduction and the convection use when the annulus between the receiver surface and the glass envelope is in vacuo, conduction and convection; and the minimum required use The minimum required; in all hot climatic conditions of Kuwait use under all climatic conditions in Kuwait; Finally, a total avoided CO₂ emission of about use A CO₂ emission reduction of about; Line 15, keywords, delete avoided CO₂ emission. References: line 259 and similar: Do authors mean Rohsenow et al [29] or [29]? Consistency in citing references, please. Instead of "incident angle": Are the authors referring to "angle of incidence"? Misuse of article "the". Check turquoise highlighted excerpts and words to improve English. Some articles "the" were highlighted as error and must be deleted. Reference [2] Price H et al (lines 45-57) dates from year 2002, more than ten years ago, so that the phrase "shows how the economics of future parabolic trough solar power plants are expected to improve" makes no longer sense (verb are should be is). Please check for similar constructions. Lines 226 / 228 must be rewritten. Lines 234, 236 further explain partial differential equation terms and coefficients (incomplete). In this equation: What is m? A dot can be appreciated: Does it mean time derivative? Sketch missing (control volume). Either explain how this equation is obtained or cite reference. Idem equation line 243. Equation (8) (line 248) must explain components. Equation in line 268: definitely needs geometry explained or a sketch; some constituent quantities in the equation and derivatives are not explained. Lines 275, 276: use full stops. Line 282: sentence must be rewritten in good English. (see suggested text highlighted in green) Equation, line 315: explain parameters σ (Boltzmann's constant), ϵ_{esi} (?), explain ϵ and esi. Same for other equations in the paper. Lines 337 and 338: either exhibit the set of algebraic equations or provide a reference, etc, etc. See corrections in revised paper. Overall English revision still required (professional English reviewer). Suggested corrections were highlighted in green, wrong excerpts and errors in turquoise. Delete turquoise highlighted items.	1. All the errors in Abstract and manuscript are corrected. 2. Suggested corrections in green replaced wrong excerpts and errors. 3. The wrong errors in turquoise are deleted. 4. Consistency is considered in citing references. 5. All other modifications in sentences are carried out. 6. Grammar errors mentioned by reviewer are corrected. 7. Lines 226 / 228 are rewritten. 8. Incomplete terms and coefficients in equations are explained. 9. Lines 275, 276: full stops is used. 10. Line 282: sentence is written in good English as suggested text highlighted in green. 11. Equation, line 315: parameters σ is explained. 12. A diagram of the control volume is added starting line 261. 13. Error bars are added to Figure 2. 14. Equations are rewritten in the same typography and size using equation tag.



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The exposure extends too much: Introduction is disperse with over abundance in literature references; must concentrate in weaknesses that lead to the proposed model. Keep an eye on target: the proposed model. Some diagram or sketch of the control volume will improve understanding. Paper can be partitioned into two publications. Equations must be written in the same typography and size. Rewrite them using equation tag (insert menu) in Ms Word. Every parameter or constant must be explained. I still would like the paper to be published but needs further revising. It can be published with the indicated corrections, following revision.	
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