



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2015_BJAST_17576
Title of the Manuscript:	Effects of tilt angle on flat-plate solar thermal collector systems
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	1- The lines 69, 70, 71 and the equation 3 must be rearranged to show information and equations of H, H_o, H_D and to refer to the references. 2- Fig. 2 Sunshine duration throughout the year must be adjusted to show 12 month instead of 11 month and the (year of months) is better to become as (months of the year) 3- use update references as in [11] -Solar Engineering of Thermal Processes Fourth Edition – 2013.	All correction have been made
<u>Minor</u> REVISION comments	1- The statement in line 18 (Since the fiat plate solar collectors are positioned at an angle to the horizontal) should be corrected to (Since the flat plate solar collectors are positioned at an angle to the horizontal) 2- In line 30 (For example, Lunde[9] and Garge[10]) $\beta_{opt} = \pm 15^\circ$, Duffie and Beckman[11] suggested $\beta_{opt} = (\phi \pm 15^\circ) \pm 15^\circ$ and Heywood[12] concluded that $\beta_{opt} = (\phi \pm 15^\circ)$. It is need to be checked. 3- In line 41 (monthly, seasonal, semi-annual, annual, $\phi \pm 15^\circ$ and ϕ). Is better to be (monthly, seasonal, semi-annual, annual) for the variations of tilt angle β between $\phi - 15^\circ$ and $\phi + 15^\circ$. 4- in line 93 (The equations which calculate total solar radiation falling on tilted surface for optimum tilt angle the 94 monthly, the seasonally, the semi-annually, the annually, latitude $\pm 15^\circ$, and latitude) is better in the form as (The equations which calculate the total solar radiation (monthly, the seasonally, the semi-annually, the annually) falling on tilted surface for optimum tilt angle of latitude $\pm$	All correction have been made



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	15°, and latitude) 5- In line 113 the reference should be written as [18]. 6- Equations (2, 3, 4, 5) needs references.	
<u>Optional/General</u> comments		