



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_27900
Title of the Manuscript:	Energy Generation Using Wearable Thermoelectric Power Generator (WTEPG) from the Living Body
Type of the Article	Original research papers

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)
Compulsory REVISION comments	-This work is not correctly describe the wearable system. Your work is just solid state TEG Module. It is not correct approach. -Your work is just low temperature TEG experiment. It can not be a wearable system. - You not attach TEG module to the human body. Your results in real or simulated human body could be very low. - You should change your title. -English writing is very poor. Please check ~! -Please try to check with low temperature TEG research.	1) At first, we described and tested experimentally the TEGs those were available in the market. We tried in different ways (single TEG, double TEG, TEG with fin) to maximize the power output from the existing TEGs. After that we described how to make it more useable for human body by making it flexible. We used different TE materials which have good characteristics at low temperature and numerically analysed the power output for proposed wearable-flexible TEG system. 2) We worked at low temperature because human body temperature is low and temperature difference between body and the environment is low too. The system that we proposed is wearable, which will make it flexible as well. 3) We attached the figures with experimental data (Figs. 14 and 15), which shows that TEG was attached to the human arm. 4) In order to use the TEG on human body the TEG should be wearable as well as flexible. Moreover, our research motivation is to describe the usefulness of flexible-wearable TEG for human boy application. Therefore, we used "wearable" in the title. In the revised manuscript we have removed word from the



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		title. 5) The revised manuscript has been edited by a native English speaker and modified.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		