



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_33416
Title of the Manuscript:	Maximization of Transfer Ratio and Minimization of Harmonics in Three Phase AC/AC Matrix Converter
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	Please specify the switching frequency value of the converter. THD value is very high not suitable for drives application. The voltage waveforms were exact sinusoidal without switching pulses, but the waveform used for measuring THD is not exact. It need some clarifications.	Switching frequency of the converter is 50,000Hz. THD value is very high and it is obtained without adding any filter to the design and it is high mostly because of switching losses and drive losses and it can be the part of my future work to design a filter that would reduce the value of THD. Voltage waveforms are made at the input and at the point applied to the load connected to the circuit. THD values are mostly taken at load or output side and it would never be sinusoidal in case of because of no filter connected to the circuit.
<u>Minor</u> REVISION comments	Improve figures: many figures are not clear (X axis and Y axis values) Extend the state of the art section including more recent papers.	Figures are improved by expanding them and it would increase the document pages. Recent research papers are added to it.
<u>Optional/General</u> comments	Option to specify the output filter design values. Can show the pulse waveforms.	Filter would be added to the circuit after designing and a new research problem will be stated according to filter. It can be my future work.