



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research and Reviews in Physics</a>
Manuscript Number:	Ms_AJR2P_63969
Title of the Manuscript:	NUMERICAL MODELING OF PHOTONIC JET BEHIND TRIANGULAR PRISM
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/journal/10/editorial-policy> )

**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)
<b>Compulsory</b> REVISION comments	<p>1. Problem statement is suggested to be included in the abstract section.</p> <p>2. In the introduction, the authors claimed that the problem of scattering in a triangular prism has not been fully studied, as recent publication confirm this. Some recent literature should be cited.</p> <p>3. In the introduction section, the authors stated that to use the findings of this work to answer the following questions:-                      -Is it possible to observe the jet?                      -What should be the characteristic sizes of the triangular prism?                      -What is the optimal value of the refractive index for photonic jet formation?                      A discussion on these questions based on the findings should be addressed and added after the result section.</p>	
<b>Minor</b> REVISION comments	<p>1. Kindly improve the placement of labelling 'a', 'b' and 'c' in Figure 2 and Figure 3.</p> <p>2. Proofreading is recommended to correct some minor grammatical and typing errors. For example, 'scetch', 'les than'. Consistency throughout the article should be checked as well. For example, 'Figure 2' and 'Fig. 3'.</p>	
<b>Optional/General</b> comments	<p>This paper studied the scattering of electromagnetic plane waves by triangular prism and its truncated form using FDTD simulation. The simulation results conclude that truncated triangular prism can improve the main characteristics of the photonic jet. This paper is technically sound with acceptable presentation quality.</p>	



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**PART 2:**

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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