



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_26430
Title of the Manuscript:	A Hydrodynamic Model of Flow in Bifurcating Streams, Part 2: Effects of Environmental Thermal Differentials
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)
Compulsory REVISION comments	<p>Line 49: Figure/sketch of the bifurcating stream is missing in the manuscript. Authors should include a well-annotated sketch of the stream in the work. Figures should appear in the write-up immediately after reference is made to them.</p> <p>Line 161: Authors should endeavour to state reasons for choosing the analytical solution method that was used over numerical techniques (Finite difference and finite element method).</p> <p>The conclusion is too short. Authors should provide more technical implications/applications of the results of the investigation. This would explicitly spell out the contributions of the work to knowledge. Also challenges encountered in the course of the work (if any) should be stated together with possible ways of solving them.</p>	<p>This is included</p> <p>This is done</p> <p>The perturbation technique, which we used is powerful tool for dismantling nonlinear equations and makes term tractable for solutions. We know it well, and so preferred it to numerical approaches.</p> <p>This is done</p>
Minor REVISION comments	<p>Line 46: The statement should be 'The effects <u>of</u> the...', the underlined word should be included.</p> <p>Line 116: '...strength due <u>to</u> the...', the underlined word should be included.</p> <p>Line 123-124: Cw should be the concentration while Tw should be temperature.</p> <p>Line 133: Second closing bracket in the first term of Equation 20 is not necessary.</p> <p>Line 240: '...purpose <u>was</u> to...', the underlined word should be included.</p> <p>Line 252: '...leads to <u>lose</u>...', the underlined word should be 'loss', the same correction should be made in line 275.</p> <p>Line 276: '...adversely <u>affect</u>...', the underlined word should be 'affects'.</p>	<p>This is done</p> <p>This is done</p> <p>This is done</p> <p>This is done</p> <p>This is done</p> <p>This is done</p> <p>This is done</p>
Optional/General comments		