



SDI Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | 2014_PSIJ_9211 |
| Title of the Manuscript: | URBAN SPRAWL ANALYSIS AND TRANSPORTATION USING CELLULAR AUTOMATA AND MARKOV CHAIN |
| 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) |
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| Compulsory REVISION comments | <p>1. In the Material Section, you should clearly tell us how to conduct the Idrisi software and overlay in detail. And the Idrisi software version and operations. Because it is very important for readers to reproduce the experiments and process described.</p> <p>2. The table 6 and 7 has some repeats for example the 1.757315 in the table 6 is the same 1.76 in table 7. So you need regulate it to avoid the repeatness when you design the tables.</p> <p>3. Personally, I think the manuscript is prolix. For example, the Fig.8 and Fig.9 can be integrated into one figure. In this integrated figure, you can use different colours or textures to represent urban sprawl during different epochs.</p> <p>4. I think the figure can be improved a lot. For example, the Fig.2, 4, and 6 can be better. Because you label it in the figure, you can delete the legend in the figures. And it is bad layout in the figure 3,5,8,9 due to the too much blank space in the lower right corner. In addition, the figures are not clear to see. So you need do it better.</p> <p>5. As for the URBAN SPRAWL ON TRANSPORTATION, I think you just cite others'</p> | <p>1. Stating details on how we use Idrisi software is like teaching people the Idrisi manual. The essence of manuals is to teach people how to use the tool. There are different approaches to solving a problem but the basic thing is to solve the problem. Giving details on how a software was used will make the paper too long. We believed that a summary of the methodology and more on results, analysis and conclusion are okay for a good paper.</p> <p>2. We have adjusted Table 6. Removed Tables 7 and 8.</p> <p>3. We have integrated the figures together.</p> <p>4. The figures have been improved upon.</p> |



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| | achievements. So you did not write it on this topic. Thus, I suggest you delete this part. Or delete some. Instead of this, you can deepen your analysis and discuss on the urban sprawl and land sustainable utilization. Because you only can speak what you did. | 5. Further work has been done to improve the effects of urban sprawl on transportation in this area. |
| <u>Minor</u> REVISION comments | | |
| <u>Optional/General</u> comments | The authors have done much research works and Land Consumption Rate and Land Absorption Coefficient were introduced to aid in the quantitative assessment of the change, urban sprawl models were developed. The results and discussions contribute in the field of land use change science. And this study is compatible with the aims and scopes of Physical Science International Journal. The manuscript contains some small problems. Authors should improve it. | All suggested corrections have been made. |