**SDI Review Form 1.6**

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| Journal Name: | Current Journal of Applied Science and Technology |
| Manuscript Number: | **Ms_CJAST_44861** |
| Title of the Manuscript: | **Torque ripple minimization in Switch Reluctance Motor using Model Predictive Control for water pumping application** |
| 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)

**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 | 1. Model predictive control needs to be more detailed.<br>2. Compared with other predictive control methods, advantages of the proposed model predictive control need to be described.<br>3. How to determine the parameters of MPC in the Matlab should be illustrated. Is there any theoretical background to support? Please provide more detail about the impact of each parameter in the MPC.<br>4. Any experimental validation?<br>5. It's hard to believe that the torque ripple is 0%. | |
| **Minor** REVISION comments | 1. There are some typo and grammar mistake, please proofread again.<br>2. The resolution of Fig.1 is poor.<br>3. Please add some result comparisons with other SRM control methods to show the advantages of the propose method. | |
| **Optional/General** comments | This manuscript needs to be polished and refined before publish. | |

**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) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | |

**Reviewer Details:**

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