

Review Form 1.6

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| Journal Name: | International Astronomy and Astrophysics Research Journal |
| Manuscript Number: | Ms_IAARJ_79041 |
| Title of the Manuscript: | Dark matter in the planetary system |
| Type of the 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:

(<https://www.journaliaarj.com/index.php/IAARJ/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) |
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| Compulsory REVISION comments | | |
| Minor REVISION comments | <p>In the reference [2], a modified theory of gravity was proposed. The paper under review contains an application of this new theory to the processes of planet formation and structure of planetary systems. This study is of interest because it helps to test the theory by observations.</p> <p>The article can be published after minor additions.</p> <p>1. In the Introduction to the article, it is desirable to briefly describe the main fundamentals of the theory [2], so that readers can immediately understand it without referring to other articles.</p> <p>2. Strong restrictions on the amount of dark matter in the solar system were obtained from the spacecrafts motion. See, e.g., arXiv:1306.3043 . It is necessary to explain how the results obtained in the article are consistent with these data.</p> <p>After these improvements, the article can be published in the International Astronomy and Astrophysics Research Journal.</p> | |
| Optional/General comments | | |

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

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Reviewer Details:

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| Name: | Yury Eroshenko |
| Department, University & Country | Institute for Nuclear Research, Russia |