

Review Form 1.6

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| Journal Name: | Journal of Pharmaceutical Research International |
| Manuscript Number: | Ms_JPRI_81264 |
| Title of the Manuscript: | MODELING THE FACTORS ASSOCIATED WITH BMI AMONG TYPE 2 DIABETES MELLITUS PATIENTS: A HYBRID MODEL APPROACH |
| Type of the Article | Research paper |

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.journaljpri.com/index.php/JPRI/editorial-policy>

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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 | None | |
| Minor REVISION comments | <p>The paper used Multilayer Perceptron to develop a hybrid model combining multiple linear regression (MLR) and methodologies (MLP) and validating the proposed hybrid model. The paper contains a good contribution enough to publish in your journal but the references must be update and I can submit the following papers to help author to rich the literature review :</p> <ol style="list-style-type: none"> 1. Hamdy M Youssef, Najat A Alghamdi, Magdy A Ezzat, Alaa A El-Bary and Ahmed M Shawky, <u>A modified SEIR model applied to the data of COVID-19 spread in Saudi Arabia</u>, AIP advances, Vol. 10 , No. 12., 2020. 2. Hamdy M Youssef, Najat A Alghamdi, Magdy A Ezzat, Alaa A El-Bary and Ahmed M Shawky, <u>A new dynamical modeling SEIR with global analysis applied to the real data of spreading COVID-19 in Saudi Arabia</u>, Mathematical Biosciences and Engineering, Vol. 17, No. 6., 2020. 3. Hamdy M Youssef, Najat A Alghamdi, Magdy A Ezzat, Alaa A El-Bary and Ahmed M Shawky, <u>Study on the SEIQR model and applying the epidemiological rates of COVID-19 epidemic spread in Saudi Arabia</u>, Infectious Disease Modelling 6, 678-692 4. 5. Hamdy M Youssef, Najat A Alghamdi, Magdy A Ezzat, Alaa A El-Bary and Ahmed M Shawky, <u>A proposed modified SEIQR epidemic model to analyze the COVID-19 spreading in Saudi Arabia</u>, Alexandria Engineering Journal, Volume 61, Issue 3, March 2022, Pages 2250-2259 | |
| 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> | |

Reviewer Details:

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| Department, University & Country | Arab Academy for Science, Technology and Maritime Transport, Egypt |