

Review Form2

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|--------------------------|-------------------------------------------------------------|
| Book Name:               | Mathematics and Computer Science: Contemporary Developments |
| Manuscript Number:       | Ms_BPR_2386                                                 |
| Title of the Manuscript: | A Proof of the Twin Prime Conjecture                        |
| Type of the Article      | Book chapter                                                |

PART 1: Review Comments

| Compulsory REVISION comments                                                                                                                                                                                                         | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.                        | This manuscript talks about a topic which is very important for mathematicians in general and number theorists in particular. The twin prime conjecture is still considered to be an open problem of number theory. Mostly, the logic presented in this manuscript is largely displaced as compared to previous attempts to prove this conjecture.                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)                                                                                                                                                | Yes, it is suitable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                             |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.                                                                          | Yes,the abstract is comprehensive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             |
| Are subsections and structure of the manuscript appropriate?                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                             |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part. | The manuscript at times talks about the author's observations rather than talking about the proofs. Explicit proofs need to be mentioned for all the observations and theorems mentioned in this manuscript. In case this is addressed, it would be more appropriate to be designated as mathematical proof. This property of any mathematical proof is missing in the present form of this manuscript.                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                             |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.<br>:                                                                                             | Khare, M., &Chitta, K. (2023). A logical approach to validate the Goldbach conjecture: Part I. <i>Journal of AppliedMath</i> , 1(4), 192. <a href="https://doi.org/10.59400/jam.v1i4.192">https://doi.org/10.59400/jam.v1i4.192</a><br><br>Khare, M.; Chitta, K. Identification of Composite Combinations: Key to Validate Goldbach Conjecture. Preprints 2020, 2020110593. <a href="https://doi.org/10.20944/preprints202011.0593.v2">https://doi.org/10.20944/preprints202011.0593.v2</a><br><br>Khare, M.; Chitta, K. Successive Addition of Digits of an Integer Number: On Properties and Role in Studying Distribution of Primes. Preprints 2020, 2020060276. <a href="https://doi.org/10.20944/preprints202006.0276.v2">https://doi.org/10.20944/preprints202006.0276.v2</a> |                                                                                                                                                             |

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| Minor REVISION comments                                                               |                                                                                                                                                                           |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is.                                                                                                                                                               |  |
| Optional/General comments                                                             | The approach discussed in this manuscript is very similar to those mentioned in suggestions of additional references. Any repetition of same approach should be checked . |  |

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) |
| 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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|----------------------------------|-----------------------|
| Name:                            | Kalyan Lakshmi Chitta |
| Department, University & Country | India                 |