

Review of: "A memory dependent analysis on permeation of non-Gaussian laser pulse through human skin"

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Potential competing interests: No potential competing interests to declare.

In this article a thermodynamic analysis of laser treatment on human skin by a memory dependent heat conduction model, it has been done. In here, two different types of laser beam are considered to validate thermos elastic observations with the optical results.

There are the following points and questions about this article:

1. It is necessary to number the references in the text in order, not according to the alphabetical letters of the authors.
2. In Fig. 3, in the vertical axis, you used the normalized value of I_p relative L_0 , but for this normalization, the value of L_0 must be known.
3. Is the unit of L_p and L_0 in terms of W/Cm^2 or another?
4. Why did you use non-Gaussian laser pulse in your work? What is the physical reason for using this distribution?
5. Apart from the phenomena of absorption and scattering, do not other physical phenomena happen in the skin, or have you not considered them?
6. On page 12, what are the h and l units?
7. On page 12, line 13, "Gasussian" should be corrected to "Gaussian".
8. On page 15, the 2nd line of the conclusion section, the word "you" should be corrected to "we".
9. Why did you use laser pulses 193 nm and 633 nm? Can only these wavelengths be used in this work or can other wavelengths be used as well?

In general, I think that after the corrections and the answers to the mentioned questions, the research work of this article is interesting and can be published in this journal.