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| Book Name: | [**Disease and Health: Research Developments**](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5097** |
| Title of the Manuscript:  | **A Review on Stress, Stressors-their effects and Adaptive Response** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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. A minimum of 3-4 sentences may be required for this part.** | **The presented manuscript is composed in a complex manner. At its core is description of variations in chromosomes shape that is caused by application of EMS and MMS. This process is complex because such effects as threshold concentration and preconditioning were identified. Optimal time for maximal effect of preconditioning was 8 h. The Introduction is rather generaly stress-field oriented. It speaks about history and phylosopy. I took from it a specific information that every cell has to solve many thousands DNA problems a day. All of this took the authors 15 pages. As a result the whatever looks as a specific introduction to the following manuscript – the 1 page pharagraph 3.2 is too concise and so hard to read.**  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes**  |  |
| 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. | **The abstract is inline with that part that is presented in the Introductional part. However the article is a lithe bit schizophrenic and the other half that has to represent the main body of the manuscript is missing. In the abstract it is reflected as “**All the above aspects are explained in detail and befitting conclusions are given in this review paper to further understand the intricacies involved in stress, its genetics and their implications.**”** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes. Everything in the manuscript seems scientifically correct.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **There are plenty of references. Some of them are new.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | There are no problems with reading. However there were many words that were mistyped in the manuscript. They should be corrected. |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewers:**

**Alexander G. Dimitrov, Institute of Biophysics and Biomedical Engineering - Bulgarian Academy of Sciences, Bulgaria**