Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Although it covered all the ground, none of them were discussed in depth. In addition, the data collection is global, so it is fragmented. It would be more valuable if the author could do some research himself and draw conclusions from it.   It cannot be accepted in its current state as it is a bit disorganized: a) Include a section where the objectives of the work are explained, what type of review is being carried out and how the bibliographic search has been carried out, in which databases and with what criteria. b) Include a discussion section in which the results are discussed, the current lines of work and where the next advances in this area are directed. The collected work should be structured. c) Include a section of conclusions summarizing the scientific contribution and lines of future work.

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 82381

Title: Resilience by design: How nature, nurture, environment, and microbiome mitigate stress and allostatic load

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02445272

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2022-12-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-02 07:23

Reviewer performed review: 2023-01-07 04:37

Review time: 4 Days and 21 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This paper is written about various factors related to resilience. The content is not in-depth, but it covers a wide range of points of interest, is easy to read, and seems appropriate for a minireview. This includes topics such as what is resilience, HPA-axis, DHEA, circadian rhythm, chronic stress, epigenetics, microRNA, single nucleotide polymorphism, psychological interventions, oxytocin, microbiome, exercise. I think it's generally good, so I'd like to point out a few small points.   1. There are some modern terms, phytochemicals, adaptogen and exekines, which ordinary researchers do not see, so please add a brief explanation.   2. In the section of Impact of chronic stress on brain and gene expression, epigenetics and microRNAs are mentioned. In the subsequent contents, there is a description of epinenetics, but the relationship between chronic stress and microRNA is not addressed. Please provide additional information on that point.   3. In the main text, the first appearance of the term oxytocin, its abbreviation is not given and in subsequent texts it is indicated as oxytocin (OXT). Please correct this point.   4. In the reference list, some reference titles, such as 57, 61, 66, 73, 75, 89, 127, and 167, have the first letter of the word capitalized. Please unify according to the guideline.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

| statements | Conflicts-of-Interest: [   ] Yes   [Y] No |

SPECIFIC COMMENTS TO AUTHORS

The author has made changes based on the comments and I have no further comments.