

Review Form 3

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_126163
Title of the Manuscript:	THE PHYSIOLOGICAL AND PHARMACOLOGICAL ROLES OF MELATONIN AND PREGABALIN.
Type of the Article	Review Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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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 minimum of 3-4 sentences may be required for this part.	The topic you've presented highlights the significant roles of melatonin and pregabalin in medicine and physiology. Melatonin's functions extend beyond sleep regulation, offering potential therapeutic benefits due to its antioxidant, anti-inflammatory, and neuroprotective properties. Its versatility makes it a candidate for treating a range of disorders, particularly those connected to circadian rhythms and inflammation.	
Is the title of the article suitable? (If not please suggest an alternative title)	On the other hand, pregabalin stands out for its broad application in managing conditions like fibromyalgia, epilepsy, and neuropathic pain, thanks to its action on calcium channels and its relationship with GABA neurotransmission. The focus on its pharmacokinetics and therapeutic indications provides valuable insight into maximizing its effectiveness while minimizing side effects.	
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.	This article seems to offer a comprehensive review of both compounds, aiming to unravel their molecular mechanisms and therapeutic potentials. It underscores the importance of ongoing research into how melatonin and pregabalin can be integrated into clinical practice for managing sleep disorders, inflammation, and neurological diseases.	
Are subsections and structure of the manuscript appropriate?	Pregabalin is recognized for its effectiveness as an anticonvulsant and analgesic, especially useful for treating anxiety disorders, epilepsy, and neuropathic pain. Its mechanism of affecting calcium channels underlines its importance in pain and seizure management. However, the conclusion importantly notes the need for further research to fully understand the long-term implications of using these compounds, which is crucial for expanding their clinical use safely	
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 minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Both substances show significant promise, but careful attention to their long-term effects and potential adverse outcomes, especially with pregabalin, is necessary to ensure patient safety and optimize therapeutic efficacy. Expanding research on melatonin's immunomodulatory and anti-cancer effects could enhance its clinical utility even further. The article has enough value and considerations to be published.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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