

Review Form 1.6

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_85626
Title of the Manuscript:	An Application of Interacting Boson Model (IBM-2) Configuration Mixing in Tin nuclei
Type of the Article	

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

(<https://www.journalajr2p.com/index.php/AJR2P/editorial-policy>)

PART 1: Review Comments

	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)
Compulsory REVISION comments	1. In the abstract, it is suggested to include the summarised findings/results of the work. 2. Can the author briefly add some discussions on the discrepancies between some calculated values and experimental values which could be contributed from the neutron two quasiparticle structure?	
Minor REVISION comments	1. Interacting Boson Model-2 is abbreviated as IBM-2. However, in the title, "Interacting Boson Model" is used but the abbreviation is "IBM-2". 2. In the introduction (page 1, line 3), kindly remove the "and so on" or replace it with another example of approach. 3. Kindly check the formatting of the references from [15]-[20].	
Optional/General comments	This paper investigated the normal and intruder 2p-2h bands in even-even tin isotopes using IBM-2 configuration mixing calculations. The calculated values were compared with the experimental values from published works.	

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)	

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