

Review Form2

Book Name:	THERMODYNAMICS STUDY ON THE COAL BED METHANE ADSORPTION CHARACTERISTIC
Manuscript Number:	Ms_BPR_2805
Title of the Manuscript:	THERMODYNAMICS STUDY ON THE COAL BED METHANE ADSORPTION CHARACTERISTIC
Type of the Article	Complete Book

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 minimumof 3-4 sentences may be required for this part.	-	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is.	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
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 minimumof 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.	It could be improved.	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, but is should be revised. -	
Optional/General comments	It is an interesting manuscript about Thermodynamics and coal bed methane adsorption characterization. It merits to be published. However please consider the following comments and suggestions: i) In the abstract it is mentioned the measurements to detect adsoption of methane; but there is missing description unless shortly of the technique, instrumentation and basis applied to do that. Please consider to add some phrase related claryfing this important information. ii) Please evaluate in the Index and content in relation to the title the incorporation of the keyword “application” due to to it has been well developed this topic. So, it is not just theoretical and mechanistic studies showed. Further applications were presented. It is suggested to highlight that in the title; as well as in the abstract. iii) Please check the addition of references, It seems that there are missing in relation to the number of themes and topics presented as well as to the number of pages developed. iv) About the development of the Book chapters please consider to add some figures and/or schema illustrating the themes and topics to trap the attention of readers. v) About the coaled bead methane in the introduction. It seems that it need the justification for the use of this type of material. Please check to add more information highlighting the importance at the place of inconvenients if it is the case. vi) Please in Chapter 1 check the number of references. vii) In the subsection 1.2 there are explanations about equations and functions that should be expressed in mathematical terms. Please check that, and add up on needs equations. viii) In chapter 2 is well developed mathematics and explanations; but there is missing graphs that could help the understanding and lecture. So please consider to add some key graphs. ix) About chapter 3; it is suggested to add some short introduction highlighting the themes and topics developed in relation with methane adsorption. In similar manner this comment take it into account for Ch.2. x) And in chapter 4 as well it is very important to note the importance of the theme with applications. It should be added an introduction showing the wide view of how simple it could be the concept of methane adsorption to real applications in the macro-scale world. xi) Finallyit is suggested to add an extra short chapter developing further discussion and future perspectives affording to new technologies too, where gas adsorption processes are involucred.	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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