Review Form 1.7

Journal Name:	**Journal of Energy Research and Reviews**
Manuscript Number:	**Ms_JENRR_111598**
Title of the Manuscript:	**Optimization of Ash and Energy Yields from the Combustion of Flamboyant Pod, Groundnut Shell and Additive (Kaolin) Composite**
Type of the Article	**Original Research Article**

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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. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**This study optimized the combustion characteristics of the mixture of FB, GNS, and Kaolin with respect to ash yield using the DOD of the Design Expert and the laboratory experiment to validate the process.** **Yes** **Yes** **Yes** **Yes** **No**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	**Yes**	
Optional/General comments	• Authors need to add more quantitative results in the conclusion section • 53% Flamboyant Pod. (Mention wt. % or volume %). Do similar corrections • How the content of filler selected, justify with literature • Emphasize how the study filled a knowledge gap or addressed a specific issue. • Kindly reconcile the conclusion with the study objectives. • What are the practical implications of this study and the future directions? Kindly state? • Table 1: How the factors and their levels are selected. justify with literature • Give a space between the value and unit (Eg. ~~600-900°C~~-------600-900 °C) • Figure 1: Add F4 to the input neurons • Which transfer functions were used in ANN. • Add a small paragraph on Optimization and ANN in the Introduction. You can cite recent papers like; ➢ Sliding wear characterization of epoxy composites filled with wood apple dust using Taguchi analysis and finite element method ➢ Erosion wear analysis of coconut shell dust filled epoxy composites using computational fluid dynamics and Taguchi method ➢ Mechanical and Tribo-performance Analysis of Linz Donawitz Sludge-Filled Glass–Epoxy Composites using Taguchi Experimental Design	

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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)*	

Reviewer Details:

Name:	**Abhilash Purohit**
Department, University & Country	**Galgotias University, India**