Review Form 1.7

Journal Name:	**Advances in Research**
Manuscript Number:	**Ms_AIR_113724**
Title of the Manuscript:	**Advancements in the Analysis of Sobolev Spaces and Function Spaces on Manifolds: Theoretical Framework and Applications.**
Type of the 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)**	**yes** **yes** **yes** **yes** **yes** **yes** **no**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Should be improved	
Optional/General comments	Reviewer Major review The results are interesting and can be considered for publication after major revision: The authors will consider the following points to improve the quality of the manuscript. 1. Authors must include the need for the study and the application of the study in the abstract. 3. Please indicate which correlations the authors developed and include the results of the analyses in the form of graphs. It is challenging to assess what the current form of the presented manuscript brings to science. 4. The mathematical modelling section needs serious improvement. The explanation should be presented in a paragraph. The basic flow equations should be cited with appropriate refernces. 5. Authors should discuss in which scenario the dual/multiple solutions exist. 6. The physical significance of all figures should be included in the manuscript. 7. What are the practical implications of the present model? 10. Provide a generalized expression for engineering factors and provide proper references. 11. All the expressions and assumptions required proper references. 12. The authors include the stability analysis of the present investigation in the manuscript. 13. Authors expand the abbreviations when used for the first time. 14. The introduction section should be rewritten to contain the authors' contribution to the present investigation. The literature survey must be enhanced from an application point of view. ❖ Numerical solution of heat and mass transfer using buongionro nanofluid model through a porous stretching sheet impact of variable magnetic, heat source, and temperature conductivity	

	❖ Heat enhancement analysis of Maxwell fluid containing molybdenum disulfide and graphene nanoparticles in engine oil base fluid with isothermal wall temperature conditions ❖ Role of Nanofluid and Hybrid Nanofluid for Enhancing Thermal Conductivity towards Exponentially Stretching Curve with Modified Fourier Law Inspired by Melting Heat Effect ❖ Role of Chemically Magnetized Nanofluid Flow for Energy Transition over a Porous Stretching Pipe with Heat Generation/Absorption and Its Stability ❖ Two-dimensional nanofluid flow impinging on a porous stretching sheet with nonlinear thermal radiation and slip effect at the boundary enclosing energy perspective ❖ A theoretical stability of mixed convection 3D Sutterby nanofluid flow due to bidirectional stretching surface. ❖ Stability of magnetohydrodynamics free convective micropolar thermal liquid movement over an exponentially extended curved surface. ❖ Stability of non-Newtonian nanofluid movement with heat/mass transportation passed through a hydro magnetic elongating/contracting sheet: multiple branches solutions.	

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:

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Department, University & Country	**Bacha Khan University, Pakistan**