December 10, 2018

To

Professor D. Hui

Editor-in-Chief

Journal of Composites Part B: Engineering

Dear Professor,

# I would like to submit our manuscript entitled “Isogeometric static and dynamic analysis of laminated and sandwich composite plates using nonpolynomial shear deformation theory” for consideration as research article in Journal of Composites Part B: Engineering.

# In this paper, an effective numerical approach based on the isogeometric analysis (IGA) employing nonpolynomial shear deformation theory (NPSDT) has been proposed and implemented for the static, free vibration and transient analysis of laminated and sandwich composite plates. Also, a Fourier transformation is performed on the transient response to obtain the natural frequency.

# We have carried out an extensive comparative study of total computational time versus total number of elements and found that the IGA-NPSDT approach is more efficient and computationally faster than the FEA-NPSDT and results are relatively close to the analytical solution. This important aspect has a far reaching impact on the complex real world problem over FEM like aerospace, automotive etc., where large number of elements are required.

# We do confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere. All authors have approved the manuscript and agree with its submission to Journal of Composites Part B: Engineering.

# We look forward to your editorial decision on this manuscript. Thank you for your time and consideration.

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# Your sincerely

# Anup Ghosh