



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	2014_AIR_15944
Title of the Manuscript:	Vibration and Temperature Decreasing Through the Material Damping and Tool Path Strategies Applied for Milling the Difficult-to-machine Materials
Type of the Article	Original Research 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:

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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		
Minor REVISION comments	<ol style="list-style-type: none"> 1. Metal matrix composites compositions and production details are not available. 2. Graphs and figures are not mentioned properly. 3. Ranges of vibration value for particular materials are not explained well. 4. The designs of experiments are not well explained. 5. More statistical analysis is required to show the effect of parameters, its significance and percentage influence level. <p>If there is any ethical issue then please clarify.</p>	<ol style="list-style-type: none"> 1. In rows 208-209 (in original manuscript) is mentioned that short fiber composite is based on SiC reinforced by short carbon fibres. We can add that the sample was made by external foreign producer. The sample is a composite ceramic produced by infiltrating a carbon greenbody with high purity liquid silicon at high temperatures (above 1600 °C), leading to the reaction of the Si with the C to form carbon-fiber reinforced SiC. 2. We have checked the figures and graphs in text. 3. The measured individual natural frequencies (ranges) of each mentioned and tested material are not mentioned because it is not important regarding the aim of paper. We present only results (Fig. 11) of ceramic composite with carbon fiber reinforcement that provided the best results for dynamic load conditions to prevent resonance. 4. We have added some data of experiments. 5. We have not done the more statistical analyses or more detailed analyses of effect of individual parameters of milling in this case now.
Optional/General comments		