

## Review Form 1.6

Journal Name:	<b>Journal of Materials Science Research and Reviews</b>
Manuscript Number:	<b>Ms_JMSRR_94617</b>
Title of the Manuscript:	<b>An Enhanced Micro-Spring Constitutive Model of Metal Rubber</b>
Type of the Article	<b>Original Research Article</b>

### 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:

<https://journaljmsrr.com/index.php/JMSRR/editorial-policy> )

### PART 1: Review Comments

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Compulsory</b> REVISION comments	<p>An enhanced micro-spring model is studied which uses adaptively deformed micro-springs with random spatial distribution and includes the micro-contact frictional states and contains macroscopic and microstructural parameters.</p> <p>With the variation of equivalent stiffness, the theory of static compression and the phenomenon of complicated micro-contact friction for MR are illustrated. Using theoretical model, dynamic simulation model and practical experiments in combination, the feasibility of the model is checked.</p> <p>Overall, the manuscript is presented in well manner. The theoretical derivations as well as illustrations are convincing. Such type of model is expected to have good impact on future research in this area.</p> <p>I recommend the publication of this article in its present form.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

### PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

Name:	<b>Baljeet Singh</b>
Department, University & Country	<b>Post Graduate Government College, India</b>