



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_54936
Title of the Manuscript:	Effect of Humidity on Friction of Molybdenum Disulfide Films Produced by Thermal Evaporation on Titanium Substrates
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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	<p>There are yellow colour highlights in the manuscript. Please make changes accordingly.</p> <p>Carry out following changes also -</p> <p>Smoother appearance. Quantify the surface roughness.</p> <p>w as thickness of the wear track is wrongly defined. Please correct it.</p> <p>Scale bar in microstructural graphs is desirable.</p> <p>At different humidity levels different loads are used in tribotest. How the results are comparable?</p> <p>Solid-lubricant MoS₂ coatings are very sensitive to water vapor and not suitable for applications in moist environments. It has been proved in previous studies. Still this study is carried out. What is the purpose of study?</p> <p>Experiment conducted with a layer of water film is at different loads than the corresponding test done without the water film. How the results could be compared?</p> <p>Al pin showed lower value of COF than Steel pin at 15%RH and the reverse trend was observed at 35 and 50%RH. This is not explained.</p> <p>MoS₂ coatings obtained by thermal evaporation is neither referenced nor explained.</p>	
Minor REVISION comments		
Optional/General comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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