



SDI Review Form 1.6

Journal Name:	Asian Journal of Physical and Chemical Sciences
Manuscript Number:	Ms_AJOPACS_40614
Title of the Manuscript:	Application of Novel Eco-friendly Natural Dye Extracted from Leaves of Neem on Silk Fabric
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>)



SDI Review Form 1.6

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>Please submit the manuscript to a language editing service to improve the clarity of the manuscript. This will facilitate readers in understanding the experiments.</p> <p>Please mention if any experiments were done to test the wash fastness of the neem-based dye.</p> <p>In addition, please mention if any mordant was tested.</p> <p>The authors should expose solutions of the extracted dye (at all concentrations) to daylight for 160 hours. The exposed and unexposed dye samples should be tested using TLC to see if the chemical structure of the dye (mainly chlorophyll) has changed after exposure to light. If there is no difference, the authors can conclude that the dye–fabric structure or fabric surface structure has changed after exposure.</p>	<p>The author would like to thank the reviewer for his/her effort</p> <p>Done</p> <p>An experiment is done to test the wash fastness of the neem-based dye. Statements are added: in the abstract, at the end of experimental details (subsection 2.2.4), at the end of results and discussion section (subsection 3.4) and in the conclusion.</p> <p>The dyeing process was done without the application of any mordant. Statement is added in the manuscript (Line 4 – subsection 2.1.1).</p> <p>Statement is added at the end of subsection 2.1.1.</p>
Minor REVISION comments	<p>Please add a small note on whether the surface of the silk fabric was affected adversely at pH 5.0</p> <p>Please clarify whether the “undyed” fabric was completely untreated (was the fabric heated in a liquor that did not contain any colouring matter?).</p> <p>It would be informative to the reader if microscopic images of the undyed and dyed fabric were provided to support the statement that the dyeing process changed the physical properties of the fabric.</p>	<p>The dye extract medium of pH=5.0 can be considered as a moderate acidic medium, so the surface of the silk fabrics under investigation does not affected negatively.</p> <p>“Undyed” fabric was completely untreated. The fabric did not heat in any liquor.</p> <p>In a coming research, microscopic image of each the undyed and dyed fabrics will be taken to make correlation between it and other physical properties (thermal, mechanicaletc).</p>
Optional/General comments	<p>The paper presents interesting information.</p>	