

Review Form 3

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_130975
Title of the Manuscript:	Environmental friendly dyeing of silk using temple used marigold flower
Type of the Article	

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PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<div>Reviewer's comments</div> <div>Paper: Environmental friendly dyeing of silk using temple used marigold flower</div> <div><div>1. The idea of this project is quite good. However, some other points to be taken into considerations.</div><div>2. After dyeing, how the flower wastes are to be eco-friendly disposed?</div><div>3. For dyeing with natural colours, the use of mordant and fixing agents are must. Common salts (brine) is not a fixing agent – some metal salts are well-known as fixing agent.</div><div>4. For satisfactory dyeing, colour fastness to washing, light and rubbing are to be assessed by standard procedures of BIS, SDC or AATCC. Mare washing with water is not sufficed to judge its suitability.</div><div>5. The used of single natural colour is not suffice. At least 3-4 flowers of different colours should be assessed.</div></div>	<div>2. As no harmful chemicals or solvents used in extraction process so, the flowers can be used as compost , leftover flower material is rich in organic matter and nutrients, making it suitable for composting. It can improve soil fertility and microbial activity when mixed with compost piles. It can also be used as Livestock & Poultry Feed Additive .The marigold residue contains carotenoids (like lutein), which improve egg yolk color and skin pigmentation in poultry.</div> <div>3. Metal salts (like copper sulfate, and ferrous sulfate) can introduce heavy metal residues, which are harmful to the environment. Common salt is non-toxic, biodegradable, and does not cause water pollution. Metal salts can make fabrics brittle and cause skin irritation in some cases which is not the case with common salt.</div> <div>4.Textile material was washed with detergent and colour was measured with NS 800 spectrophotometer after every washing.</div> <div>5. We are focusing mainly on temple floral waste so, marigold is majorly present in temple floral waste. Also, the colour of marigold flower is stable as compared to other flowers.</div>

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?	<div>(If yes, Kindly please write down the ethical issues here in details)</div>	<div>There are no ethical issues in the manuscript.</div> <div>All the comments of reviewers have been fulfilled</div>