

Review Form 1.7

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_99444
Title of the Manuscript:	The Effect of Turmeric Extract on Spermatozoa Motility in Fresh Semen of Goats
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 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	1. The study is aimed at the evaluating the effect of turmeric extract administration on spermatozoa motility in fresh semen of goats. The problem is definitely challenging for the industry of goat breeding. The motility of sperm cells was assessed microscopically. It was found out that administration of 50 mL extract provided most significant effect on sperm cell motility. However, higher amounts of the extract did not produce further effect of cell motility that needs to be explained. The table of results does not provide data of statistical analysis. Finally, use of just one microscopic approach is obviously insufficient to evaluate the quality of sperm. For example, although the authors try to discuss the effect of lipid peroxidation on spermatozoa motility, they provide neither data on oxidative status of the semen samples nor on the effect of the turmeric extract on the level of free radicals and lipid peroxidation products. The paper looks more like a short communication rather than a comprehensive research and additional studies are obviously needed. 2. Yes 3. Yes 4. Yes 5. Use of just one method of microscopy is not sufficient to evaluate the sperm quality and the effect of the treatment. Therefore, further studies are needed. 6. Yes	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	English needs corrections in places	
Optional/General comments	I would strongly recommend to perform additional studies, including the assessment of oxidative status of the semen, level of DNA fragmentation and apoptosis markers.	

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

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Reviewer Details:

Name:	Mikhail Bibov
Department, University & Country	Rostov State Medical University, Russia