

Manuscript Evaluation Form

PAPER TITLE	Rapid Identification of 44 Steroids in Human Urine Samples using HPLC-ESI-QTOF-MS
AUTHOR(S) NAME	Aarti Yadav, Rajesh Dabur

Sec. A: REFEREE'S ASSESSMENT*(cross as appropriate)*

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality	x			
Importance in its Field	x			
Style & Overall Representation		x		
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Overall the Paper is Rated:	(Excellent ----- Poor) 10 9 8 7 6 5 4 3 2 1			

Criterion	Yes	No	Comments/ Suggestions
Does the title represent manuscript's contents?	x		
Is the Abstract accurate and concise?	x		
Are the approach/ methods properly described?	x		
Are the conclusions and interpretations sound?	x		
Are the references properly cited?		x	The appropriate references, their numbers should be added at some places in the manuscript.
Is this a new/ original/ confirmatory contribution?	x		
Is it within the scope of the journal?	x		

Sec. B: REFEREE'S RECOMMENDATIONS**OTHER SPECIFIC CRITICISMS**

Accept with minor changes

x

Imperfect style

Accept with major changes

Too long

Reject in current form, but may be resubmitted

References incorrectly presented

Reject, with no resubmission

Typographical and Grammatical errors

PAPER TYPE: Research article

x

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

This article is a significant contribution, within the scope of the journal and suitable for publication after some minor revision.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article entitled „Rapid Identification of 44 Steroids in Human Urine Samples using HPLC-ESI-QTOF-MS“, by Aarti Yadav, Rajesh Dabur

In the present study, a soft ionization method for identifying the maximum number of urinary steroids using ultra-performance liquid chromatography coupled with quadrupole time of flight mass spectrometer (HPLC–Q-TOF-MS), with high selectivity and resolution, was developed. Using this time-saving method, 44 steroids belonging to C-18, C-19, and C-21 classes and their conjugates were resolved and identified using positive and negative modes of ionizations by their characteristic ionization and collision energy induced dissociation behaviors.

This article is a significant contribution, within the scope of the journal and suitable for publication after some minor revision.

The references should be cited properly at some places in the article.

Add the adequate references, their numbers after:

characteristic ion peaks reported in literature, on page 4, paragraph 6,

reported in the literature, on page 5, paragraph 3, line 3,

related literature, on page 5, paragraph 3, line 20,

It was in accordance with Kobayashi et al, on page 6, paragraph 2, line 16.

In previous studies, on page 7, paragraph 4, line 4.

Mention the adequate reference numbers in brackets before the sign of punctuation, or before the end of the sentence.

On page 4, paragraph 5, lines 1 and 2, replace 4:1 ratio, instead of 1:4 ratio in the sentence:

Urine samples were diluted with acetonitrile: water (80:20 v/v) in a 1:4 ratio

On page 5, paragraph 3, line 10, replace $[M-2H_2O]^+$, instead of $[M-2H_2O]^+$

Line 14, use the adequate superscript and replace $[M+H]^+$, instead of $[M+H]^+$

Line 20, use superscript and replace MH^+ , instead of MH^+

The English language should be improved at some places, including grammar and punctuation.

For example, state different people, instead of different peoples in the abstract, as well as in discussion.

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Use conjunctions that or which, where appropriate in the manuscript.

Use commas when listing, for example steroids, on page 5, paragraph 2, line 7, or before the corresponding conjunctions in a sentence.

The use of appropriate tense in some sentences of the paragraphs should be applied.

Insert Tables and Figures within the text of the article and format the entire manuscript according to the style of the journal.

Move heading Abstract to the second page

Move heading Conclusion to the eighth page

Add the number of volume and issue to references 1, 6, 7, 26, 27 and 28.

Add the number of issue to references 2, 4, 5, 8, 15, 16, 17, 23 and 24.

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal and pharmaceutical chemistry

Name & Affiliation of referee: Tamara Jovanovic, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Tamara Jovanovic / December 27, 2020

SIGNATURE OF REFEREE / DATE