

# Current Pharmaceutical Analysis

## Manuscript Evaluation Form

Editor-in-Chief: Anastasios Economou, Department of Chemistry, Laboratory of Analytical Chemistry, University of Athens, Athens, Greece

<b>PAPER TITLE</b>	Trace determination of Tamoxifen in Cancer patients using optimized Solvent bar microextraction and HPLC-UV
<b>AUTHOR(S) NAME</b>	Persia Behbahani, Nahid Ghasemi, Mahnaz Qomi, Kambiz Tahvildari

### 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		
Description	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			
Is this a new/ original/ contribution?	x			
Is it within the scope of the journal?	x			
<b>Overall the Paper is Rated:</b>	<b>(Excellent ----- Poor)</b> 10   9 <b>8</b> 7   6   5   4   3   2   1			

### Sec. B: REFEREE'S RECOMMENDATIONS

### OTHER SPECIFIC CRITICISMS

Accept with minor changes

x

Imperfect style

x

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

x

**PAPER TYPE:** Research article

Review article

Letter article

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

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

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

Review of the article entitled

Trace determination of Tamoxifen in Cancer patients using optimized Solvent bar microextraction and HPLC-UV, by Persia Behbahani, Nahid Ghasemi, Mahnaz Qomi, Kambiz Tahvildari

In this study, a new, sensitive solvent bar microextraction (SMBE) method coupled with high-performance liquid chromatography-ultraviolet (HPLV-UV) analysis, for determination of tamoxifen, a cytotoxic agent, at trace levels in urine and wastewater was developed. The obtained results indicate that this cost-effective method offers a desirable preconcentration factor and green setup for determination of the rate of elimination of tamoxifen in cancer patients and purification of wastewater.

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

The English language has to be improved.

For example, in the abstract, as well as on page 8, state: The linearity range was between 40 and 10000  $\mu\text{gL}^{-1}$ . Mention the complete term and the abbreviation at the first place where it appears in the manuscript, in the rest of the text use either the abbreviation or full term.

In the Abstract, put the abbreviation after: The solvent bar microextraction (SBME), before method. Some words can be divided into two parts.

Use small letters for relative standard deviations within-day and between day, in the text of the article.

In Key words, state full term solvent bar microextraction, delete one space between real and sample.

Use one space between the numbers and units of measure in the entire manuscript, including % and  $^{\circ}\text{C}$ , as well as symbol h for hours, instead of hr.

On page 2, state the optimized conditions, To the best of our knowledge, the correct spelling for Merck.

Add comma before, which was employed in the microextraction.

State was purchased, instead of were.

On page 3, add one space between Heidolph and (Schwabach, Germany).

State the correct unit of measure for the flow: The flow rate of the HPLC-UV system was adjusted to 10 ml/min, instead of 10 min.

Add v/v for (65:35, v/v), as well as on page 5 for the ratio of 1:1, v/v.

Place number (1) beside the adequate equation.

Use italic for *n*-octanol on pages 5 and 7.

The pH gradient applied for this experiment was 9.24 for the acceptor phase and 3.27 for the donor phase.

The result of each experiment is shown in Table 1.

Place in the same row the numbers and units of measure, for example, on page 3, 200  $\mu\text{m}$  and 10  $\mu\text{L}$ , on page

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5, 4.5 cm, on page 7, 1000 rpm

On page 8, use comma before, such as Micellar liquid chromatography, before, which suggest and in conclusion for: which was successful, offering a desirable preconcentration factor

The last sentence of conclusion should be modified, for example, as follows: This experiment can be useful for determination of the extent of elimination of tamoxifen, a cytotoxic agent, in cancer patients and wastewater.

Place the Figures and Tables at the first place where they are mentioned in the manuscript.

The quality of figures can be improved, resolution or font of letters and numbers increased.

Put the points after the legends of Figures 1 and 2.

In Table 1, state pH of donor phase in the same line, add space between Temperature and ( $^{\circ}\text{C}$ )

In the legends of Tables 1 and 2, state in the urine sample

In Table 2, use font 12 for letters and numbers, like in other tables

In Table 3, state the correct unit of measure for LOD ( $\mu\text{gL}^{-1}$ ), instead of ( $\text{ng L}^{-1}$ ), replace Linearity ( $\mu\text{gL}^{-1}$ ), instead of ( $\mu\text{gL}^{-1}$ ) Linearity, or place the unit of measure in the second line

Format the entire manuscript, including references according to the style of the journal.

The numbers of the last pages should be added to the references, as well as the numbers of issues to some references.

**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

Dr Tamara Jovanovic / March 2, 2019

**SIGNATURE OF REFEREE / DATE**

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