

# 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>	Development an Efficient and Sensitive Magnetic Dispersive Solid Phase Microextraction Technique for Preconcentration of Amphetamine and Methamphetamine Determined by High-Performance Liquid Chromatography and Liquid Chromatography-Tandem Mass Spectrometry in Dietary Supplements
<b>AUTHOR(S) NAME</b>	Maryam Ghalebi, Samin Hamidi, Mahboob Nemati, Farzaneh Lotfipour, and Sina Jalilzadeh

### 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

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

Review article

Letter article

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

This is a significant contribution within the scope of the journal. However, Tables I-IV that are mentioned in the text of the manuscript are missing in the current presentation and should be added and presented, prior to possible publication.

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

Review of the article entitled

Development an Efficient and Sensitive Magnetic Dispersive Solid Phase Microextraction Technique for Preconcentration of Amphetamine and Methamphetamine Determined by High-Performance Liquid Chromatography and Liquid Chromatography-Tandem Mass Spectrometry in Dietary Supplements

In this study, the presence of AM and MET in solid dietary supplements were successfully accomplished with the assistance of a newly developed MDSPE/LC-MS-MS method. The obtained results indicate that the proposed method is sensitive fast, reproducible and simple, and can be successfully used for the pre-concentration and determination of AM and MET as adulterants in dietary supplements.

This is a significant contribution within the scope of the journal. However, Tables I-IV that are mentioned in the text of the manuscript are missing in the current presentation and should be added and presented, prior to possible publication.

The English language has to be improved at some places.

For example in the title of the article state: Development of an Efficient and Sensitive Magnetic Dispersive Solid Phase Microextraction Technique

Some words, such as microextraction and preconcentration can be divided into two parts

On page 5, replace an injector, instead of a injector

On page 6, state: This modification helps reducing toxic gases, instead of help, were placed, instead of were place

On page 7, add was at some places, for example, the temperature was adjusted at 35 °C,

it was well-dispersed in an ultrasonic bath, Precipitated black residue was separated by magnetic field

Correct the second sentence of the second paragraph, as follows:

Then, 10 mL of the aqueous solution, containing 100 mg of  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$  and 45 mg of  $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$  was gradually added to the mixture under the nitrogen atmosphere.

On page 8, state: Accurate amount of each sample was prepared by the following method:

10 mg of  $\text{GO}@\text{Fe}_3\text{O}_4$  was accurately weighed, dispersed into 5 mL of sample (pH 10) and placed in an ultrasonic bath for 3 min to enhance the drug-adsorbent interaction chance.

Subsequently, 300  $\mu\text{L}$  of acetone, as desorption solvent was added to the isolated particles and the mixture was sonicated for 3 min.

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Replace inconvenience, instead of inconvenient

On page 9, MNPs were used for the next experiments.

On page 10, use plural for: In MDSPE, solvents that have the ability to desorb the analyte from the adsorbent can be used as desorption solvents, instead of solvent

the effects of these solvents on the performance of MDSPE were observed, instead of the effect

The last sentences on this page should be as follows: Therefore, 300  $\mu\text{L}$  of acetone was optimal, as the most suitable desorption volume. To complete desorption of AM and MET from the adsorbent, it is of primary importance to set a suitable desorption time.

On page 11, This phenomenon is in accordance with

On page 13, As shown in Table II

In Discussion, all these steps were done in less than 15 min, with consuming 300  $\mu\text{L}$  of acetone

On page 15, replace Figure legends, instead of captions

Use one space between the numbers and units of measure in the entire manuscript.

State 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.

Place in the same row, on page 4, ( $2630 \text{ m}^2/\text{g}$ ), page 5, 1 ml/min, page 6, 500  $^{\circ}\text{C}$

On pages 5, 7 and 11, move the last subheading or heading to the next page

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

The quality of Figure 1, resolution or font of letters can be increased.

Place all the Figures with their legends and all the Tables with their captions at the adequate places within the manuscript.

In the references 14 and 23, add the numbers of volume, issue and pages.

In the reference 24, add the number of last page.

**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 / February 14, 2019

**SIGNATURE OF REFEREE / DATE**

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