Dear Mr. Editor,

Please find enclosed the manuscript “**Spider silk as a template for obtaining magnesium oxide and magnesium hydroxide fibers**“ by Svetlana Dmitrović, Marija Prekajski, Bojan Jokić, Goran Branković, Aleksandra Zarubica, Vladimir Žikić and Branko Matović, submitted for publication in Hemijska industrija. The submitted manuscript is original, has not been published elsewhere and has been written and approved by all the stated autors as well as the responsible authorities where the work was carried out. The manuscript is currently not being considered for publication by any other journal and will not be submitted for publication elsewhere while in the reviewing process in the journal *Hemijska industrija*. If accepted, it will not be published elsewhere including electronically, in the same form, in English or in any other language, without the written consent of the copyright-holder. The authors declare that they have no conflict of interest.

The novelty of this paper is that for the very first time, spider silk fibers were used as a scaffold for synthesis magnesium oxide as well as magnesium hydroxide fibers. Fibrous magnesium oxide is an extraordinary material with excellent heat resistance, insulating properties and thermal conductivity and together with magnesium hydroxide is a very interesting material for various applications. The synthesis method was easy, time and cost effective and environmentally benign, and allows tailoring diameter of fibers by using spider silk with different thickness.

**Best regards,**

Svetlana Dmitrović

Corresponding author:

Svetlana Dmitrović

Vinča Institute of Nuclear Sciences

Materials Science Laboratory

P.O. Box 522

11001 Belgrade

Serbia

Phone/Fax: +381 112439-454

E-mail: [svetlana8@vinca.rs](mailto:svetlana8@vinca.rs)

**Suggested referees:**

**Dr Eniko Volceanov**

Institutul de Cercetari Metalurgice, Bucuresti, Romania

Address: Mehadia Street, No.39, Sector 6, Cod 060543, C.P. 17-25, Bucharesti

Tel.: +40 21 220 55 06; +40 21 220 55 08; + 40 21 220 54 01

Fax: +40 21 220 42 95

E-mail:[**evolceanov@gmail.com**](mailto:evolceanov@gmail.com)

[**evolceanov@yahoo.com**](mailto:evolceanov@yahoo.com)

[**evolceanov@metal.icem.ro**](mailto:evolceanov@metal.icem.ro)

**Dr Victor Fruth**

Institute of Physical Chemistry  
Spl. Independentei 202  
060021 Bucharest  
Romania

Tel. +40213188595  
Fax +40213111247  
[vfruth@icf.ro](mailto:vfruth@icf.ro)

**Dr. rer. nat. Ravi Kumar, N. V**Associate Professor,  
Department of Metallurgical and Materials Engineering,  
Indian Institute of Technology-Madras (IIT Madras),  
Chennai 600036, INDIA  
Ph:[+91-44-22574777](tel:%2B91-44-22574777) (HSB138, XRD laboratory) **Fax:**[**+91-4422574777**](tel:%2B91-4422574777) **Email:**[**nvrk@iitm.ac.in**](mailto:nvrk@iitm.ac.in) **URL:**[**http://mme.iitm.ac.in/nvrk**](http://mme.iitm.ac.in/nvrk)