CATALYSIS IN INDUSTRY

(Kataliz v Promyshlennosti)

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REQUIREMENTS FOR THE CONTENT OF ARTICLES:

<u>Article type:</u> laboratory research, pilot-scale research, commercial operation experience, working to improve methods of analysis and preparation of catalysts, analytical review, historical overview, biographical note, announcement of events, etc. If you are not sure if the material has interest for the journal, you can always send a text to a preliminary introduction and approval.

The article is divided into parts:

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1) the practical importance of the work and the prospects for industrial use;

2) the novelty of the work compared to existing domestic (foreign) base analogue in the process technology, creating a new or improving existing catalysts (improving quality and efficiency of the catalyst, reducing the cost and etc.), design of catalytic reactors;
3) an overview of the catalysts presented in the article (composition, the manufacturer).

ii. The abstract should reflect the basic purpose, originality, relevance of the work, specific information about the object of study, conditions, and research methods, results and comparison with analogous, practical recommendations for the industry. Identifies specific data with exact values.

iii. Text articles - The article begins with <u>a title</u> that reflects the decision of the practical problem of the present work. <u>The introduction</u> contains a description of the existing

problems in the industry, the purpose of work, the problem, rationale for choice of research methods. <u>The experimental part</u> describes the experimental technique, chemical composition and method of preparation of test specimens, including a comparison with the most effective industrial counterparts, test conditions, a description of the parameters and criteria selected for evaluating the effectiveness of the task. <u>Discussion of the results</u>. Conclusion (short) or numbered findings should be consistent with the abstract (not repeating it word for word), the contents of the article and reflect the complete solution of the problem, as well as provide practical advice (for industrial use, to conduct further research to create technology, installation, development prospects work).

iv. References include sources containing materials used by the author, and is made according to example:

1. Y. Zhu, R. Tan, J. Feng, S. Ji, L. Cao. // Appl. Catal. A 209 (2001) p.71

References in the text are given in brackets: [1] or [2-6]. The numbering of the sources shall comply with the order of links in the text. It is unacceptable to refer to unpublished works, as well as to the older literature then 1985.

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v. ILLUSTRATIONS (drawings, photographs, graphics) as separate files - TIF, JPEG (300 dpi). Allowed to provide illustrations and captions in Word format in one single file.

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