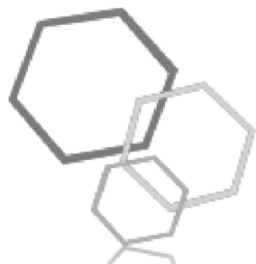


pISSN 2306-871X (Print)

ISSN 2313-4984 (Online)

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE



# *JOURNAL OF CHEMISTRY AND TECHNOLOGIES*

Scientific journal

---

**Volume 26, Issue 1, 2018**

Published semiannually

Published since 1993

Dnipro  
Oles Honchar Dnipro National University

*Founder:*  
*Oles Honchar Dnipro National University*

*Issue considered and recommended for publication by the decision of Academic Council of Oles Honchar  
Dnipropetrovsk National University, protocol № 6 from 21.12.2017.*

The journal publishes new research papers in the field of applied and theoretical chemistry dedicated to the synthesis of organic compounds, formation of polymeric compositions, analysis of different objects, development of technologies for producing plating, studying the mechanisms of chemical reactions, investigation of coordination compounds and some aspects of the history of science.

For professors, lecturers, researchers, post-graduate and graduate students of chemistry and chemical technology.

EDITOR-IN-CHIEF                      Professor **S. I. Okovytyy** DSc (Chem.)  
EXECUTIVE SECRETARY              **L. O. Ivanitsa**, PhD (Chem.)

EDITORIAL BOARD MEMBERS (UKRAINE):

Prof. **V. F. Vargalyuk**, DSc (Chem.); Prof. **A. B. Vishnikin**, DSc (Chem.); Prof. **O. V. Harchenko**, DSc (Chem.); Prof. **O. B. Velichenko**, DSc (Chem.); Prof. **V. K. Lukashev**, DSc (Chem. Tech.), Prof. **O. V. Chervakov**, DSc (Chem. Tech.); Prof. **K.M. Sukhyy**, DSc (Chem. Tech.); Prof. **Y. A. Vashchenko**, DSc (Chem. Tech.); Doc. **I. M. Tarabara**, PhD (Chem.); Doc. **K. Y. Varlan**, PhD (Chem. Tech.); Doc. **N. V. Kondratyuk**, PhD (Food tech.); **K. A. Plyasovskaya**, PhD (Chem.).

FOREIGN MEMBERS OF EDITORIAL BOARD:

Prof. **J. Leszczynski** (Jackson State University, USA); Prof. **R. Paton** (University of Oxford, UK); Dr. **O. Zhurakovskiy** (University of Bristol, UK); Prof. **L. Gorb** (Jackson State University, USA); Prof. **L. Ye** (Lund University, Sweden); Prof. **J. A. Torres** (University of Granada, Spain); Dr. **O. Isaev** (University of North Carolina at Chapel Hill, USA); Dr. **Y. Pauku** (University of Minnesota, USA); Dr. **A. Arbuznikov** (Technical University of Berlin, Federal Republic of Germany); Prof. **B. Rasulev** (North Dakota State University, USA)

Certificate of Registration  
KB № 23401-13241ПП from 24.05.2018

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Publisher          | Oles Honchar Dnipro National University                             |
| Address of founder | 72, Gagarin Ave., Dnipro, 49010, Ukraine                            |
|                    | tel.: +(38056)776-82-23, e-mail: chem.dnu@gmail.com                 |
| Journal site       | <a href="http://chemistry.dnu.dp.ua">http://chemistry.dnu.dp.ua</a> |

**Journal Title:**

JOURNAL OF CHEMISTRY AND TECHNOLOGIES

**Volume 26, Issue 1, 2018**

## TABLE OF CONTENTS

### Chemical Technology

- 1 Modification technology of montmorillonite by polyionenes**  
*Kostyantyn M. Sukhyy, Elena A. Belyanovskaya, Mikhaylo P. Sukhyy, Vitaliy I. Tomilo*
- 9 Obtaining technology for nanocomposites based on polyamide-6 and organomodified montmorillonite**  
*Kostyantyn M. Sukhyy, Elena A. Belyanovskaya, Mikhaylo P. Sukhyy, Vitaliy I. Tomilo, Roman D. Lytovchenko*
- 20 The effect of surface modification of particulate kcl filler on rheological behaviour of its paste-like composites**  
*Alexander B. Surovtcev, Anton M. Polivyanii, Viktor S. Tokarev, Michail P. Dyachenko, Oleh M. Shevchuk, Stanislav V. Tokarev*

### Organic Chemistry

- 31 Studying the kinetics of liquid phase hydrazinolysis butyl 2-(2R-9-oxoacridine-10(9H)-yl)acetates**  
*Yuriy V. Karpenko, Ludmila A. Omelyanchyk*

### Analytical Chemistry

- 40 Study of the interaction of Hg (II) with potassium triiodide under the conditions of electrotitrimetry**  
*Maryna V. Manzyuk, Olexander K. Balalayev, Tatjana N. Avdienko, Olena V. Volnyanska, Mykola V. Nikolenko*

### History of Science

- 50 Finkelstein associate member of an USSR: Dnipropetrovsk period of life and scientific activities**  
*Valerij S. Kovalenko, Viktor F. Vargalyuk, Nadiia V. Stets*
- 58 Scientific heritage of Fedor Chmylenko (to the 70th anniversary of the birthday of the teacher)**  
*Oleksandr M. Baklanov, Larisa P. Sidorova, Larisa P. Zhuk, Tetiana M. Derkach, Natalia M. Smitiuk, Svetlana N. Khudyakova, Oksana V. Saevich, Katerina V. Matorina, Lidiya O. Ivanitsa, Anna Yu. Chernyavska*

