

Researcher Full Name  
Serhii YELTSOV

Institution Name  
V.N. Karazin Kharkiv National  
University

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## CURRICULUM VITAE

### PERSONAL

FAMILY NAME: Yeltsov

FIRST NAME: Serhii

DATE OF BIRTH: 1971, January 11 PLACE OF BIRTH: Kharkiv, Ukraine (USSR)

### EDUCATION:

- 1) Candidate of Science (Ph.D. equivalent) 1997, Kharkiv State University, Kharkiv, Ukraine
- 2) Higher education diploma (M. Sc. equivalent) in Psychology, 2006, School of Psychology, V.N. Karazin Kharkiv National University, Kharkiv, Ukraine
- 3) Higher education diploma (M. Sc. equivalent) in Chemistry, 1993, School of Chemistry, Kharkiv State University, Kharkiv, Ukraine

### PRESENT EMPLOYMENT:

2000 – till now: Associate Professor (Docent), Physical Chemistry Department, V.N. Karazin Kharkiv National University, Svoboda sq., 4, Kharkiv, 61022, Ukraine

2006 – till now: Vice Dean of School of Chemistry Kharkiv V.N.Karazin National University

2024 – till now: Head of Educational Department Kharkiv V.N. Karazin National University

### PREVIOUS RESEARCH POSITIONS: (in reverse chronological order)

- 1) 2000-2001 Associate Professor (Docent), Department of Chemistry, Kharkiv Military University, Kharkiv, Ukraine
- 2) 1998-2000 Senior teacher, Department of Chemistry, Kharkiv Military University, Kharkiv, Ukraine
- 3) 1997-1998 Teacher, Department of Chemistry, Kharkiv Military University, Kharkiv, Ukraine
- 4) 1996-1997 Research Associate, Physical Chemistry Department, Kharkiv State University, Kharkiv, Ukraine

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Scopus Author ID: 24824081900 *h-index* = 5

Scopus Author ID: 6602933403 *h-index* = 3

Google Scholar: <https://scholar.google.com/citations?user=JIY4cpcAAAAJ&hl>

### SELECTED SCIENTIFIC PUBLICATIONS

1. A. N. Laguta, S. V. Eltsov, N. O. Mchedlov-Petrosyan. Nitrophenol violet as a new tool for studying of kinetics of reactions in solutions. *J. Chemical Education*, 2021, 98(9), 2964-2972.

2. A. N. Laguta, S. V. Eltsov, N. O. Mchedlov-Petrosyan. Micellar Rate Effects on the Kinetics of Nitrophenol Violet Anion Reaction with HO<sup>-</sup> Ion: Comparing Piszkiwicz's, Berezin's, and Pseudophase Ion-Exchange models. *J. Molecular Liquids*, 2019, 277, 70-77.

3. N. Laguta, S. V. Eltsov, N. O. Mchedlov-Petrosyan. Kinetics of alkaline fading of methyl violet in micellar solutions of surfactants: Comparing Piszkiwicz's, Berezin's, and Pseudophase IonExchange models. *Int. J. Chem. Kinetics*, 2019, 51(2), 83-94.

4. A. N. Laguta, S. V. Eltsov, N. O. Mchedlov-Petrosyan. Quantitative analysis of micellar effect on the reaction rate of alkaline fading of phenolphthalein. *Kharkiv University Bull.* 2018, Ser. Khim., No. 30(53), 18-26.

5. N.O. Mchedlov-Petrosyan, K.V. Roshchyna, S.V. Shekhovtsov, S.V. Eltsov, O.S. Zozulia, I.V. Omelchenko, O.V. Shishkin. Revisiting tetranitrophenolsulfonephthalein. // *Coloration Technology*. 2015. Vol.131. P.1-9.

6. K.V. Roshchyna, S.V. Eltsov, A.N. Laguta, N.O. Mchedlov-Petrosyan. Micellar rate effects in the alkaline fading of crystal violet in the presence of various surfactants. // J. Mol. Liq. 2015. Vol.201. P.77-82.

#### **SELECTED TEXTBOOKS**

1. Mchedlov-Petrosyan N. O., Lebid V.I., Glazkova E.N., Eltsov S.V., Dubina A.I, Panchenko V.G. Colloid Chemistry. Kharkiv: Folio, 2005. 304 p.

2. Eltsov S.V., Vodolazkaya N.A. Manual for Physical and Colloid Chemistry: Kharkiv: V. N. Karazin Kharkiv National University, 2012. 236 c.

3. Eltsov S.V., Vodolazkaya N.A. Physical and Colloid Chemistry in the Course “Medical Chemistry”. Theory and Laboratory Exercises. Kharkiv: V. N. Karazin Kharkiv National University, 2012. 132 p.

4. Eltsov S.V., Vodolazkaya N.A. Practical Medical Chemistry, 2nd Ed. (Revised and Enlarged). Kharkiv: V. N. Karazin Kharkiv National University, 2018. 196 p.

5. Eltsov S.V., Vodolazkaya N.A. Manual for Physical and Colloid Chemistry: 2nd Ed. (Revised and Enlarged) Kharkiv: V. N. Karazin Kharkiv National University, 2018. 236 p.

#### **RESEARCH STATEMENT**

Experimental study of the kinetics and acid-base equilibria in nonaqueous solvents and organized solutions.

#### **SUPERVISION**

Was supervisor of two Ph.D. Students.

#### **AWARDS AND RECOGNITION**

Diploma of the Ministry of Education and Science of Ukraine, 2023