

BIOSKETCH

a. Professional Preparation

Kiev Polytechnic Institute, Ukraine, Chemistry MS with High Honors, 1962

Boreskov Institute of Catalysis, Russia, Physical Chemistry PhD, 1971

Boreskov Institute of Catalysis, Russia, Physical Chemistry Dr. Sci., 1989

b. Appointments

2007-present Senior Researcher, Adjunct Professor of Chemical Eng., Dept. of Energy Environmental and Chemical Engineering, Washington University in St. Louis, St. Louis 2007–2017 Ass Prof., Parks Coll. of Eng., Aviation and Techn, Saint Louis Univ., St. Louis

1997-2007 – Res. Assoc. Prof., Dept. of Chem. Eng., Washington Univ., in St. Louis, St. Louis

1995-1997 Visiting Prof., Dept. of Chemical Eng., Washington Univ. in St. Louis, St. Louis

1992-1997 Professor of Chemical Engineering, Kiev Polytechnic Institute, Kiev, Ukraine

1992-1994 Vice-President of International Solomon University, Kiev, Ukraine

1964-1991 Siberian Branch of Russian Academy of Sciences, including:

1986-1991 Chief of Lab., Deputy Director of Tuvinian Technological Institute, Kyzyl

1964-1986 Sen. Res. Assoc., Junior Res. Assoc, Boreskov Inst. of Catalysis, Novosibirsk

1962-1964 Chemical Engineer, Kiev Chemical Plant, Kiev, Ukraine

c. Awards

Since 2001 Honorary Professor of Polytechnic University in Wuhan (China).

Since 2010 Honorary Doctor of the University of Gent (Belgium).

Since 2011 Honorary Fellow of the Australian Institute of High Energetic Materials.

Since 2011 Chevron Chair Professorship at the Ind. Inst. of Techn. (IIT), Chennai, India.

2013, “Lifetime Achievement Award”, (Math in Chemical Kin. and Eng., MaCKiE-2013)

Since 2013 Fellow of Academy of Sciences- St. Louis (St. Louis, MO, USA)

2013 James B. Eads Award, Academy of Sci. of St. Louis, Outstanding Scientist Award

2014 Sarton’s Award on history of chemical kinetics (University of Gent, Belgium)

2014 STAR’s Award “10 years of service NSF research mentor program”

d. Publications **d1. Books** (1) G.S. Yablonskii, V.I. Bykov, A.N. Gorban' and V.I. Elokhin, "Kinetic Models of Catalytic Reactions", in "Compreh. Chem. Kinetics," vol. 32, Amst., Elsevier, 1991 (2) G. B. Marin, G. Yablonsky, "Kinetics of Complex Reactions. Decoding Complexity" J.Wiley-VCH", 2011 (3) D. Constales. G.S. Yablonsky, J. Thybaut, D.R. D’hooge and G. B. Marin “Advanced Data Analysis and Modeling in Chemical Engineering”, Elsevier (2016) 399 pp (4) V.I. Bykov, S.B. Tsybenova, G.S. Yablonsky, “Chemical Complexity via Simple Models: MODELICS”, De Gruyter, Berlin (2018) 374 pp and **other 3 books; d2. Chapters in books** (1) G.S. Yablonskii, V.I. Elokhin, "Kinetic Models of Heterogeneous Catalysis, Perspective in Catalysis, Blackwell Scientific Publishers, 191-249(1992) (2) A. Efstahiou, J. Gleaves, and G. Yablonsky, “Transient Techniques: Temporal Analysis of Products (TAP) and Steady-State Isotopic Transient Kinetic Analysis (SSITKA)”, in the book “Characterization of solid materials: from structure to surface reactivity”, Chapter 21 (M. Che and J.C. Vedrine, Eds), J. Wiley-VCH, 2012 and other **5 Chapters in books; d3. Publications in peer-reviewed Journals-** G.S. Yablonsky, M. Olea, G. Marin. (2003) Temporal Analysis of Products: Basic Principles, Applications, and Theory, *J. of Catalysis*, 216(1-2), 120-134 and other papers, **more than 170; d4. Editor.** One of the editors of “*Advances in Chemical Engineering*” **All publications** can be found online via google.scholar or <http://www.sciencedirect.com> **e. Invited Lectures at International and American conferences – 45 e. Synergetic Activities.** Organizer of many International Conferences and Workshops , in particular in area of catalysis and mathematical modeling of chemical processes. **f. Teaching.** Presently (2007-2016) I am teaching “Gen. Chem. I and II” and “Selected Topics of Phys. Chem.” and “Engng. Chem.” in SLU. Being in many universities as a Visiting Professor (Ghent, Lausanna,

Belfast, Bangkok, Wuhan, Singapore, Mumbai, Oslo), I presented different courses, "Chemical Kinetics", "Advanced React. Engng.", "Principles of Chem. Engng.", "Applied Heterogen. Catalysis", in particular an original course "Chem. Kinetics in Heterogen. Catalysis"
g.Thesis' Advisor of 10 graduate students

http://en.wikipedia.org/wiki/Grigoriy_Yablonsky

<https://scholar.google.co.uk/citations?user=z4bORCYAAAAJ>