

# Curriculum Vitae

## Julia Golovko

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### EDUCATION

- 1997-2001            Institute of Petroleum Chemistry, Russian Academy of Sciences, Tomsk, Russia  
Ph.D. in Petroleum Chemistry  
Dissertation: Hydrocarbon Composition of West Siberian and Sakhalin oils of Different Genetic Type
- 1992-1997            Tomsk State University, Tomsk, Russia  
B.S., M.S. in Chemistry  
Thesis: Aromatic Hydrocarbons in Sakhalin Oils

### PROFESSIONAL EXPERIENCE

- 2008-present            Postdoctoral Fellow, University of Houston, Institute for Multi-dimensional Air Quality Studies, Houston: Research in ambient air pollutants dispersion in urban areas
- 2005-2008            Senior Support Engineer, Schlumberger, Client Support Laboratory, Tyumen, Russia: Developed solutions in oil-well cementing sector for Russian Oil&Gas Industry; supervised QHSE procedures in Cementing and Stimulation Laboratory
- 2003, 2004            Postdoctoral Associate, University of Oklahoma, Norman: Assisted in environmental study of man-made contaminants in ground water and soil with the use of gas chromatography isotope ratio mass spectrometer; Accomplished research of metallocomplexes in oils and organic matter as a part of a collaboration with the US Geological Survey
- 2001-2005            Research Scientist, Institute of Petroleum Chemistry, Russian Academy of Sciences, Tomsk, Russia: Performed different assignments, including geochemical research of oils and organic matter; hydrocarbon characterization of West Siberian oils leading to pretreatment for commercial transfer; assisted in development of tests to meet custom needs for local oil, gas and oil service companies

### PUBLICATIONS

Golovko Yu. A., Pevneva G. S., Golovko A. K. (2010): "Saturated Hydrocarbons of Ulyanovsk Oblast Crude Oils and Waxes Isolated from These Oils", *Petroleum Chemistry*, V. 50, No. 3, P.181–188.

N.G. Voronetskaya, Yu.A. Golovko, G.S. Pevneva, A.K. Golovko "Alkyl and Naphthenomonoaromatic Hydrocarbons in West Siberian Oils," in *Progress in Oilfield Chemistry. Smart Fields, Smart Wells and Smart Technologies*, Ed. by Istvan Lakatos., V. 7., (2007), P. 255-268.

K. Stojanovich, B. Jovanchichevich, D. Vitorovich, Ju. Golovko, G. Pevneva, A. Golovko "Hierarchy of Maturation Parameters in Oil-Source Rock Correlations. Case Study: Drmno Depression, Southeastern Pannonian Basin, Serbia and Montenegro," *Journal of Petroleum Science & Engineering*, V. 55, Issues 3-4, (2007), P. 237–251.

K. Stojanović, Br. Jovančićević , Dr. Vitorović, G.S. Pevneva, Ju.A. Golovko A.K. Golovko "New Maturation Parameters Based on Naphthalene and Phenanthrene Isomerization and Dealkylation Processes Aimed at Improved Classification of Crude Oils (Southeastern Pannonian Basin, Serbia)," *International Geochemistry*, V.45, No 8, (2007), P.781-797.

A.K. Golovko, Yu.A. Golovko, G.S. Pevneva, N.G. Voronetskaya. "Petroleum naphthenomono and naphthenobiarenes," *Petroleum Chemistry*, V.46, N2, (2006), P.73-84.

Yu.A. Golovko, L.V. Gorbunova, V.F. Kamyarov, G.S. Pevneva. "Hydrocarbon Composition of Sakhalin Typical Oils," *Petroleum Chemistry*, V.44, N2 (2004), P.89-102.

J.Golovko, G. Pevneva, A. Golovko, "Genetic classification of West Siberian oils by the composition of saturated hydrocarbons" in *Progress in Mining and Oilfield Chemistry*, Ed. by Istvan Lakatos, Vol.4, (2003), P.347-360.

K. Stojanović, B. Jovančićević, A. Golovko, J. Golovko, G. Pevneva, O. Cvetković, V. Vitorović, "Phenanthrene and methylphenanthrene isomers in maturity assessment of biodegraded crude oils (Sakhalin, Russia) ," *Eurasian ChemTech Journal*, N 4, (2002), P. 213-220.

K. Stojanovic, B. Jovancicevic, G. Pevneva, J. Golovko, A. Golovko, P. Pfendt, "Maturity assessment of oils from the Sakhalin oil fields in Russia: phenanthrene content as a tool," *Organic Geochemistry*, Vol.32, N.5, (2001), P.721-731.

J. Golovko, R.P. Philp, G. Pevneva, A. Golovko, "High –molecular weight n-alkanes in oils of West Siberia and Sakhalin" in *Progress in Mining and Oilfield Chemistry*, Ed. by Istvan Lakatos Vol.2, (2002), P. 315-325.

J.A. Golovko, G.S. Pevneva, A.K. Golovko., B. Jovancicevic, "Correlation of Geochemical Parameters with Composition of Arenes and Saturated Hydrocarbons" in *Progress in Mining and Oilfield Chemistry*, Ed. by Istvan Lakatos , Vol.1, (1999), P.183-190.

## GRANTS AND AWARDS

- International Association for the promotion of Cooperation with scientists from the New Independent States of the former Soviet Union (INTAS), Belgium, 2005: "Conference Individual Grant (CIGs), 22nd International Meeting on Organic Geochemistry, 12-16 September 2005, Seville, Spain"
- Science-Support Foundation, Russia, 2004, 2005: Grant "Outstanding Scientists. Candidates and Doctors of Sciences of the Russian Academy of Sciences" among 18 grant holders in "Chemistry and Sciences About Materials" section
- Federal Principal Program "Integracia", Russia, 2002, 2003: International Scholarship Award

- Tomsk Scientific Center, Russian Academy of Sciences, Tomsk, Russia, 2001: Diploma and 3rd place award at the competition for Junior Scientists “Research presentation in English language”
- Russian Foundation for Basic Research, Russia, 2001: Participation at the International Meeting Grant: “20th International Meeting on Organic Geochemistry, 10-14 September 2001, Nancy, France

## **LANGUAGES**

Russian, native  
English, fluent

## **PROFESSIONAL AFFILIATIONS**

Women’s Energy Network  
Society of Petroleum Engineers  
American Meteorological Society