Evguenii I. Kozliak
Department of Chemistry
University of North Dakota
Grand Forks, ND 58202-9024
Office: (701) 777-2145
Fax: (701) 777-2331
E-mail: ekozliak@chem.und.edu

A. Vitae

Academic Record:	Ph. D., Moscow State University, Moscow, Russia,1987 B. S., Moscow State University, Moscow, Russia, 1983

Experience:

2001-present	Associate Professor, University of North Dakota
1995-2001	Assistant Professor, University of North Dakota
1991-1995	Research Associate, Biochemistry Dept., University of Minnesota-Duluth
1989-1991	Senior Research Associate, Institute of Biochemistry of the USSR Academy of Sciences, Moscow, Russia
1987-1989	Research Associate, Institute of Biochemistry of the USSR Academy of Sciences

Specialty Fields:	physical chemistry chemical kinetics and reaction mechanisms mass transfer applied chemistry and microbiology chemical and biochemical catalysis

B. Selected Publications Related to Present Work (50 total, UND students are underlined):

1. S.R. Phutane, J.N. Renner, S.L. Nelson, W.S. Seames, J. Paca, T.J. Sundstrom, and E.I. Kozliak, Removal of 2,4-Dinitrotoluene from Concrete Using Bioremediation, Agar Extraction, and Photocatalysis. *Folia Microbiologica,* **2007**, *52*(3), 253-260.
2. P. Sardesai, W. Seames, L. Dronen, and E. Kozliak, Exploring the Gas-Phase Anaerobic Photobiofiltration of Hydrogen Sulfide for Coal Gasification Fuel Cell Feed Streams, *Fuel Processing Technology*, **2006**, *87*, 319-324.
3. A. Hoffart, W. Seames, E. Kozliak, S. Riedinger, J. Francini, and C. Carlson. A Two-Step Acid Mercury Removal Process for Pulverized Coal. *Fuel*, **2006**, *85*, 1166-1173.
4. I.E. Popova, T.J. Sundstrom, M.K. Beklemishev, W.S. Seames, C.R. Frihart, and E.I. Kozliak, Penetration of Naphthalene, *n*-Hexadecane, and 2,4-Dinitrotoluene into Building Grade Southern Yellow Pine Softwood: a Qualitative Study, *Forest Products Journal*, **2006**, *56*, 68-75.
5. E.M. Tyapochkin and E.I. Kozliak, Kinetic and Binding Studies of the Thiolate–Cobalt Tetrasulfophthalocyanine Anaerobic Reaction as a Subset of the Merox Process, *Journal of Molecular Catalysis A: Chemical*, **2005**, *242*, 1-17.

Other Significant Publications:

1. V.F. Waingeh, C.D. Gustafson, E.I. Kozliak, S.L. Lowe, H.R. Knull, and K.A. Thomasson.* Glycolytic Enzyme Interactions with Yeast and Skeletal Muscle F-actin. *Biophysics J.*, **2006**, *90*, 1371-1384.
2. I.E. Popova, M.K. Beklemishev, and E.I. Kozliak, Bioremediation of Hydrocarbons in Contaminated Wood: A Feasibility Study, *Engineering in Life Sciences*, **2005**, *5*(3), 223-233.

3. Beklemishev, M.K., and Kozliak, E.I. Bioremediation of Concrete Contaminated by n-Hexadecane and Naphthalene. *Acta Biotechnologica*, **2003**, *23,* 197-210
4. Tyapochkin, E.M. and Kozliak, E.I. Interactions of Cobalt Tetrasulfophthalocyanine with Alkyl Xanthogenates: Evidence for Hydrophobic Effects in the Merox Process. *J. Mol. Catal. A : Chemical,* **2003**, *203*, 37-51.
5. Current, R. W., Kozliak, E.I., and Borgerding, A.J. Monitoring Biodegradation of VOCs Using High-Speed Gas Chromatography with a Dual-Point Sampling System. *Environ. Sci. & Technol.*, **2001**, *35,* 1452-1457.

Synergistic Activities:

1. Submitted 3 patent applications, e.g.: Kozliak, E.I.; Beklemishev, M.K. Removal of Toxic/Hazardous Chemicals Absorbed in Building Materials. **US Patent No. 7,144,725**, issued December 5, 2006.
2. Science Lead in SUNRISE
3. Principal Investigator and Site Director of the NSF-funded Research Experience for Undergraduates program 2003-current)
4. Adjunct Professor, UND Department of Chemical Engineering

C. Other Collaborators:

Wayne Seames, UND and David Tilotta, NCSU, Charles Frihart, Forest Products Lab, Madison, WI

D. Students Advised:

Postdoctoral Scholar (1): Mikhail K. Beklemishev (2000-2002)

Graduate Students (7): Ali Navid (M.S. 1997), Tana Ostlie-Dunn (M.S. 1997), Edward Tyapochkin (Ph.D., 2005), Shannon L. Nelson (M.S., 2006), Inna M. Popova, Ganna V. Baglayeva, Anna A. Raeva (current)

Undergraduate Students (14 at UND): Julie Renner, Dustin Bosch, Teather Sundstrom, Karyanne Leroux, Kaleb Kuether, Ryan Domack, Steven Mattson, Brian Kirby, Kassandra Riley, Ryan Requist, Charles Archer, Michele Jacobson, Edyta Blaczczuk, Andrea Scott.

E. Former Advisors:

Paul M. Anderson, University of Minnesota-Duluth

Anatoly K. Yatsimirsky, UNAM, Mexico City, Mexico