

Yakov Kuzyakov

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PERSONAL DATA

Born: August 27, 1963, Moscow, Russia

Marital Status: married with Dr. Irina Kuzyakova (born Kozlovskaya), two children (13 and 18 years old)

DIPLOMAS and DEGREES

- 2/02 Habilitation-postdoctoral qualification (Soil Science). Institute of Soil Science and Land Evaluation, Hohenheim University, Stuttgart, Germany
Thesis: "*Turnover of Low-Molecular Organic Substances in Soil – Tracer Studies and Theory*"
- 2/02 Teaching authority *Venia legendi* for Soil Science
- 6/90 Ph.D. in Biology (Soil Science). Moscow Agricultural Academy, Dep. of Inorganic and Analytic Chemistry and Dep. of Use of Isotopes and Radiation in Agriculture.
Ph.D. Thesis: "*Tracer studies to transformation of Uracil, Glycine and Alanine in Podzoluvisol*".
- 2/86 M.Sc. in Agronomy (Soil Science and Agricultural Chemistry). Martin-Luther-University, Halle/S. Germany.
M.Sc. Thesis: "*Effect of K fertilizers on potato yield and chloride content in soil in a long term field experiment*". Grade: "Excellent "
- 6/80 Diploma of Education, Moscow Special German School

PROFESSIONAL EXPERIENCES and ACTIVITIES

- 1/10-today Visiting professor, Chinese Academy of Science, Institute of Geography, Beijing, China
- 4/06-today Professor for Agroecosystem Research, University of Bayreuth
- 1/06-4/06 Head of the Research Institute of Landscape Matter Dynamics, ZALF Müncheberg
Professor for Landscape Matter Dynamics, Technical University of Brandenburg, Cottbus
- 4/03-12/05 Honor research fellow of German Research Foundation: *Heisenberg-Fellowship*
- 11/04-10/05 Research Associate, School of Agricultural and Forest Sciences, University of Wales, Bangor, England
- 3/04-4/04 Visiting Professor, Dep. of Soil Science, Assiut University, Egypt
- 4/03-5/03 Research Associate, Institute of Grassland and Environmental Research (IGER), England
- 10/01-3/03 Deputy Professor for Dep. of Soil Chemistry University of Hohenheim
- 10/99–3/00+ 9-10/01 Research Associate, Dep. of Environmental Studies, University of California Santa Cruz (UCSC)
- 3/99–10/01 Habilitation research fellow of German Research Foundation, Institute of Soil Science, University of Hohenheim
- 1/97–2/99 Post-Doc, Graduate College of German Research Foundation, Institute of Soil Science, University of Hohenheim
- 5/93–12/96 Researcher, Institute of Horticultural Science, Humboldt University of Berlin
- 9/91–5/93 Head of Isotope-Laboratory, Moscow Agricultural Academy
- 1/90–8/91 Researcher, Moscow Agricultural Academy, Dep. of Use of Isotopes and Radiation in Agriculture
- 12/86–12/89 PhD student, Moscow Agricultural Academy, Dep. of Inorganic and Analytic Chemistry and Dep. of Use of Isotopes and Radiation in Agriculture
- 8/86–12/86 Engineer, Moscow Agricultural Academy, Dep. of Inorganic and Analytic Chemistry

ADVANCED COURSES

- 3/07 *Radiation Protection course*, TU Munich, Germany
- 1/03 *Molecular Microbial Ecology of Soil*, Hohenheim University, Germany
- 2/02 *Micromorphology*, University of Hohenheim, Stuttgart, Germany
- 11/88 *Pedagogics*, Moscow Agricultural Academy
- 5/87 *Use of Tracers and Radiation in Agricultural Research*, Moscow Agricultural Academy

LONG-TERM EXPERIENCE ABROAD

11/04-10/05 UK, Research Associate, School of Agricult. & Forest Sciences, University of Wales Bangor
3/04-4/04 Egypt, Visiting Professor at Assiut University, 2 lecture courses
4/03-5/03 UK, Research Associate, Institute of Grassland and Environmental Research (IGER)
¹³C/¹⁵N studies to CO₂ efflux sources from soil
3/03 + 3/08 Italy, Soil mapping courses with students of Hohenheim and Bayreuth Universities
10/99-3/00 + 9-10/01 University of California Santa Cruz (UCSC)
Environmental Studies Dep., ¹³C-/¹⁴C studies of C turnover in soil – plant system
4/98+3/00+3/07 Portugal and Spain, Soil mapping courses with students
5/99 Sweden, Uppsala, Swedish Agriculture University (SLU), Lectures to C and N turnover
6/98 Hungary, Practice and excursion with students of Hohenheim University
Short visits: UK, USA, Canada, *several EU countries*, *several former Soviet Union countries*, *S-Korea*

SPECIALIZATION in SOIL SCIENCE and ECOLOGY

C sequestration, CO₂ fluxes, nutrient cycling, soil biochemistry, rhizosphere, C and N transformation, Rhizodeposition, priming effects, low molecular organic substances, biodegradation, soil organic matter
Stable and radioactive isotopes

PAPERS: ca. 115 in referred Journals 15 Reviews 3 Monographs

PROJECTS **DFG:** 12 projects, **BMBF:** 2 projects, **EU:** 1 Marie-Curie Fellowship, **DAAD:** >20 projects
Humboldt-Foundation: 2 Fellowships, **Other** foundations: ~ 5 projects

AWARDS

9/2010 *Call for W3 Professorship* for Soil Ecology of Temperate Zones, University of Göttingen
10/2009 *Call for Visiting Professorship* of Chinese Academy of Science, Beijing
11/2005 *Call for W2 Professorship* for Agroecosystem Research, University of Bayreuth
8/2005 *Call for W2 Professorship* for Landscape Matter Dynamics: BTU Cottbus + ZALF Müncheberg
9/2004 *Poster Award*, EUROSIL 2004, Freiburg
9/2002 *Heisenberg Fellowship* of DFG
9/2001 *Best Poster Award*, German Soil Science Society biannual Meeting, Vienna
3/1999 *Habilitation Fellowship* of DFG

OCCASIONAL REVIEWER

German Research Foundation	DFG	Germany
Natural Environment Research Council	NERC	UK
Biotechn. & Biological Sci Res. Council	BBSRC	UK
International Foundation for Science	IFS	Sweden
Volkswagen Foundation	VW	Germany
German Environmental Council	DBU	Germany
Academia Europaea		EU

FIELD EDITOR

EUROPEAN JOURNAL OF SOIL BIOLOGY

EDITORIAL BOARDS

SOIL BIOLOGY & BIOCHEMISTRY PLANT AND SOIL J OF PLANT NUTRITION AND SOIL SCIENCE

OCCASIONAL REVIEWER

> 30 Journals

- Soil Biology and Biochemistry	- Oecologia	- Soil Science Society of America Journal
- Global Change Biology	- Thermochimica Acta	- International Journal of Plant Sciences
- European Journal of Soil Science	- Plant Ecology	- Archives of Agronomy and Soil Science
- Journal of Plant Physiology	- Chemistry and Ecology	- Environmental Science & Technology
- Soil and Tillage Research	- The Holocene	- Environmental and Experimental Botany
- Journal of Arid Environments	- Pedosphere	- European Journal of Forest Research
- Global Biogeochemical Cycles	- FEMS Microbial Ecology	- Journal of the Science of Food and Agriculture
- Biology and Fertility of Soils	- Biogeochemistry	- Australian Journal of Soil Research
- New Phytologist	- Phytochemical Analysis	- Carbon Balance and Management
- Ecological Modelling	- Applied Soil Ecology	- Biological Agriculture & Horticulture
- Geoderma	- Journal of Ecology	- Agronomy for Sustainable Development
- Catena	- Eurasian Soil Science (Pochvovedenie)	- African Journal of Environmental Science and Technology

MEMBERSHIPS

- German Soil Science Society,
 Vice Chairman (2004-2005) and Chairman (2006-2009) Commission IV: Soil Fertility and Plant Nutrition
- German Society for Plant Nutrition
- Russian Soil Science Society - International Union of Soil Science

LANGUAGES

Russian *native*

English *fluent*

German *fluent*

Signature *Kuzjakov*

Bayreuth, 17. November 2010