

CURRICULUM VITAE

Dr. Olga Yakimenko

Soil Science Faculty,
Lomonosov Moscow State University,
Leniskie Gory, 119992 Moscow, Russia
Fax: +7-495-9328982, Tel.: +7-495-9392129
E-mail: iakim@soil.msu.ru

Education

PhD, Soil Chemistry, Soil Science Faculty of Moscow State University, 1991. Dissertation title: “Influence of Hydrolysed Lignin and Lignin-based Composts on some properties of podzol soil of the south of Komi Republic”.

MSc (University Diploma), Soil Chemistry, Soil Science Faculty of Moscow State University, 1987. MSc Thesis title: “Influence of Hydrolysed Lignin on Some Soil Properties”.

Certificate of Interpreter in Soil Science, 1987

Professional experience

2016 – present: Leading Researcher, Soil Science Faculty, Moscow State University (MSU), Division of Soil Chemistry;

2012 – pres.: Deputy Dean for International Affairs of Soil Science Faculty, Lomonosov Moscow State University; Associate Professor

2008 – 2012: Senior Researcher, Soil Science Faculty, Moscow State University (MSU), Division of Soil Chemistry; 1993- 2008: Scientific Researcher; 1990-1993: Junior Researcher; 1987-1990 PhD-student at the Soil Science Faculty of MSU

Research topics

- Influence of commercial humic substances on soil properties and plant growth. Humic substances from different environments: peat, coal, different composts, organic wastes, commercial humates.
- Soil organic matter; composition, properties and transformation of humic substances; their role in the environment and interactions with xenobiotics; soil fulvic acids.
- Soils of archaeological sites: their chemical properties and specific of organic matter.
- Ecological problems of organic waste materials application in agriculture: lignin, bark, spropel, vermicomposts, sewage sludge. Their transformations in soil, influence on plant growth and soil properties.

Publications

Peer reviewed publications – 37; Presentations at International, National and Regional Meetings –53.

Teaching activities

Undergraduate lectures: Soil Organic Matter, Non-humic Compounds of Soil Organic Matter. Supervise BSc, MSc and PhD students. Review MSc and PhD Thesis.

Awards and fellowships

State University of New York, University at Albany, Dept of Geography and Planning, Fulbright Fellowship, 2005-2006

State University of New York, College of Environmental Sciences and Forestry (SUNY-ESF), Syracuse, NY, 2004

GSF (Forschungszentrum für Umwelt und Gesundheit) Fellowship, Munich, Germany, 1999-2000.

Scholarship at Swedish University of Agricultural Sciences, Uppsala, Sweden, 1994, 1995, 1996.

Prize for young scientists, awarded by Moscow State University, 1994

Scholarship at Humbolt University of Berlin, Inst. of Soil Science and Plant Nutrition, 1992

Professional societies

International Humic Substances Society (IHSS): 2002-pres. IHSS-National Chapter Vice-Coordinator, 2000-2002 IHSS-National Chapter Coordinator; Russian Soil Science Society; Society of Environmental Toxicology and Chemistry (SETAC)

Language knowledge

Russian: fluent spoken and excellent written; English: fluent spoken and good written; German: slight spoken and written.

List of selected publications

1. Maria Pukalchik, Maria Panova, Mikhail Karpukhin, Olga Yakimenko, Kamila Kydralieva, and Vera Terekhova. Using humic products as amendments to restore Zn and Pb polluted soil: a case study using rapid screening phytotest endpoint – Journal of Soils and Sediments, 2017, p.1-12, DOI: 10.1007/s11368-017-1841-y
2. Olga Yakimenko • Daria Khundzhua • Aleksei Izosimov • Viktor Yuzhakov • Svetlana Patsaeva. Source indicator of commercial humic products: UV/Vis and fluorescence proxies – J Soils Sediments, 2016, DOI 10.1007/s11368-016-1528-9
3. Pukalchik M. A., Terekhova V. A., Yakimenko O. S., Kydralieva K. A., and Akulova M. I. Triad Method for Assessing the Remediation Effect of Humic Preparations on Urbanozems - Eurasian Soil Science, 2015, Vol. 48, No. 6, pp. 654–663 DOI: 10.1134/S1064229315060083
4. Stepanov A., Yakimenko O. Remediation of Polluted Urban Soils Using Humic Products. In: Natural Organic Matter: Structure-Dynamics Innovative Applications (Eds: Yiannis Deligiannakis and Ioannis Konstantinou). Book of Abstracts 17th Meeting of the International Humic Substances Society Ioannina, Greece 1-5 September 2014, p.58-59
5. Olk D.C., Yakimenko O.S., Kussow W.R., Dinnes D.L., 2014. Can Humic Products Become Mainstream Amendments for Improving Crop Production? In: Natural Organic Matter: Structure-Dynamics Innovative Applications (Eds: Yiannis Deligiannakis and Ioannis Konstantinou). Book of Abstracts 17th Meeting of the International Humic Substances Society Ioannina, Greece 1-5 September 2014, p.291-292
6. Yakimenko OS, Gorlenko MV, Terekhova VA, Izosimov AA, Pukalchik MA. Influence of commercial humic products on living organisms and their detoxification ability in Cu-polluted soil in model experiment – In: Xu, Jianming; Wu, Jianjun; He, Yan (Eds.) Functions of Natural Organic Matter in Changing Environments (Proceeding of IHSS 16), Springer-Verlag GmbH China, 2012 pp 616-618 ISBN 978-94-007-5633-5
7. Gorlenko M. V., O. S. Yakimenko, et al. 2012. Functional biodiversity of soil microbe colonies affected by organic substrates of different kinds -Moscow University Soil Science Bulletin, 67 (2): 71-78
8. Gosteva, O.Y., Izosimov, A.A., Patsaeva, S.V., Yuzhakov, V.I., Yakimenko, O.S. 2012. Fluorescence of aqueous solutions of commercial humic products - J. Applied Spectroscopy, 78 (6), pp. 884-891
9. Yakimenko O. S. and Terekhova V. A. 2011. Humic Preparations and the Assessment of Their Biological Activity for Certification Purposes-Eurasian Soil Science, 44(11):1222-1230
10. Shubina D.M., Yakimenko O.S., et al. 2010. Spectral properties of humic water solutions // Water: chemistry and ecology. № 3, pp. 21-25.
11. Senesi N., Yakimenko O.S. 2007. Soil Humus as the Factor of Ecosystems' Sustainability in Natural Cataclysms. In: Natural cataclysms and Global Problems of the Modern Civilization – Special Edition of Transactions off the International academy of Science H&E, Baku-Innsbruck, pp 550-554
12. Yakimenko Olga, et al. 2007. The Humus Status of Modern and Buried Volcanic Soils in Mexico and Its Role in the Paleogeographic Interpretation of Tephra--Paleosol Sequences - Eurasian Soil Science, 3:302-309
13. Iakimenko, O.S. 2005. Commercial humates from coal and their influence on soil properties and initial plant development. In: Use of humic substances to remediate polluted environments: from theory to practice, Perminova I.V., Hatfield K., Hertkorn N. (Eds.), NATO Science Series: IV: Earth and Environmental Sciences, Vol. 52, Springer, Dordrecht, The Netherlands, pp. 365-378.
14. Trofimov S., Yakimenko O, et al. 2004. Composition and Properties of Organic Matter in Soils of Ancient Slavic Settlements in the Forest Zone – Eurasian Soil Sci., 9:1057-1066.
15. Yakimenko O. 2001. Soil Fulvic Acid and Fulvic Acid Fraction. – Eurasian Soil Sci., 12: 1448-1459.
16. Otabbong E., Yakimenko O., Sadovnikova L. 2001. Influence of sewage sludge on nutrients availability in a pot experiment – Agrochimia, 2:55-60 (in Russian).
17. Otabbong E., Sadovnikova L., Yakimenko O., et al. 1997. Sewage sludge: soil conditioner and nutrient source. II. Availability of Cu, Zn, Pb and Cd to barley in a pot experiment.-Acta Agric. Scand., Sect.B, Soil and Plant Sci., 47:65-70.
18. Yakimenko O., Velichenko S. 1997.Sewage sludge organic matter transformations in soil in incubation experiment // The Role of Humic Substances in the Ecosystems and in Environmental Protection. Eds: J.Drozd, S.S.Gonet, N.Senesi, J.Weber., p. 915-920.
19. Erasmus Otabbong, Jan Persson, Olga Iakimenko & Ludmila Sadovnikova. 1997. The Ultuna long-term soil organic matter experiment. II. Phosphorus status and distribution in soils. - Plant and Soil, 195: 17-23
20. Orlov D.S., Ammosova Ia.M., Yakimenko O.S.et al., 1996. Humus substances from lignin, bark, composts and soils with composts// Humic Substances and Organic Matter in Soil and Water Environments: Characterisation, Transformations and Interactions. Eds: C.E.Clapp, M.H.B.Hayes, N. Senesi and S.M.Grignith, p.433-439.
21. Sadovnikova L., Otabbong E., Iakimenko O et al. 1996. Dynamic transformation of sewage sludge and farmyard manure components. 2. Copper, lead and cadmium forms in incubated soils.- Agriculture, Ecosystems and Environment, 58:127-132.

22. Yakimenko O., et al. 1996. Dynamic transformation of sewage sludge and farmyard manure components. 1. Content of humic substances and mineralization of organic carbon and nitrogen in incubated soils.- Agriculture, Ecosystems and Environment, 58:121-126.
23. Orlov, D.S., Ammosova, Ia.M.and Yakimenko, O.S. 1994. Agroecological aspects of Using Nontraditional Organic Fertilizers Based on Hydrolyzed Lignin - Eurasian Soil Sci., 26 (1): 56-69.