

**DOROTA IZDEBSKA-MUCHA****Personal information:**

University of Warsaw	Birth: 18.04.1976
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**Career path:**

2004 –	assistant professor, University of Warsaw, Faculty of Geology, Institute of Hydrogeology and Engineering Geology
1999 – 2004	Ph.D. in Engineering Geology, University of Warsaw. Dissertation title: „ <i>Influence of petrol and diesel oil on deformation properties of clay minerals and clay soils</i> ”, (supervisor prof. dr hab. Barbara Grabowska-Olszewska).
1994 – 1999	M.Sc. in Engineering Geology, University of Warsaw. Thesis title: „ <i>Evaluation of geological engineering conditions in the area of the south-eastern border of Jagodne Lake</i> ” (supervisors: prof. dr hab. R. R. Kaczyński, dr K. Laskowski).

**Publications:**

**IZDEBSKA-MUCHA D., WÓJCIK E.** 2011 - Analysis of clay soils shrinkage parameters according to various methods. *Biuletyn PIG*, 446 (2): 321-327.

**IZDEBSKA-MUCHA D., TRZCIŃSKI J.** 2011 - Microstructural properties of alluvial clayey soils polluted with petroleum fuels for a long period of time. *Biuletyn PIG*, 446 (2): 469-476.

**IZDEBSKA-MUCHA D., SZYSZKO C., TRZCIŃSKI J.** 2011 - Engineering geological and microstructural properties of glacial tills polluted with petroleum substances. *Biuletyn PIG*, 446 (2): 459-468.

**IZDEBSKA-MUCHA D., TRZCIŃSKI J., ŻBIK M., FROST R. L.** 2011 - Influence of hydrocarbon contamination on clay soil microstructure. *Clay Minerals*, 46, 1: 47-58.

**IZDEBSKA-MUCHA D., KORZENIOWSKA-REJMER E.** 2010 - Selected characteristics of clay soils polluted by petroleum substances in the context of their barrier properties. In: Proceedings of the 6th International Congress on Environmental Geotechnics, New Delhi, India, 8-12 November, 2010 "Environmental Geotechnics for Sustainable Development". Eds. Manoj Datta, R.K. Srivastava, G.V. Ramana, J.T. Shahu. Published by Tata McGraw Hill Education Private Limited. Vol. 1, pp. 705-710.

**IZDEBSKA-MUCHA D., KORZENIOWSKA-REJMER E.** 2009 – Oil pollution influence on properties of soils used for mineral sealing barriers in landfills. *Czasopismo Techniczne z. 3-Ś*, pp. 39-54, Kraków. (in polish)

**IZDEBSKA-MUCHA D., TRZCIŃSKI J., ŻBIK M.** 2009 – Force measurements on clean and hydrocarbon contaminated clays. W: Fiore S., Belviso C., Giannossi M.L. (eds.) *Micro et Nano: Sciantiae Mare Magnum*, vol. I, 14th Int. Clay Conf., Castellaneta M., Italy. digilabs s.a.s. Pub., Bari, Italy. str. 304

**IZDEBSKA-MUCHA D., TRZCIŃSKI J.** 2008 – Effects of petroleum pollution on clay soil microstructure. *Geologija*, vol. 50, pp. 69-75.

**IZDEBSKA-MUCHA D.** 2008 - Pore space studies on Wartanian glacial till (Central Poland) polluted with petrol and diesel oil, based on mercury porosimetry. *Geological Quarterly*, 52 (2): 183-190.

**IZDEBSKA D., TRZCIŃSKI J.** 2007 - Microstructural changes in clayey soils due to petroleum pollution. Euroclay2007, 22-27 July 2007, Aveiro, Portugal. Abstract Book, pp. 180-181.

**IZDEBSKA-MUCHA D., TRZCIŃSKI J.** 2007 - Microstructural changes in glacial till due to diesel oil pollution. *Geologos*, vol. 11, pp. 463-471.

**KORZENIOWSKA-REJMER E., IZDEBSKA-MUCHA D.** 2006 - Evaluation of the influence of oil pollution on particle size distribution and plasticity of clay soils. *Engineering and Protection of Environment, Polish Academy of Sciences*, vol. 9, no 1, pp. 89-103. (in polish)

**IZDEBSKA-MUCHA D.** 2005 - Influence of oil pollution on selected geological-engineering properties of clay soils. *Przegląd Geologiczny*, vol. 53, no 9, pp. 766-769. (in polish)

**IZDEBSKA-MUCHA D.** 2003 - Polish versus British methodology of clay soils shrinkage properties testing. Conference materials "40 years of geotechnics at Łódź University of Technology" Łódź-Arturówek 23-24 April 2003, pp. 63-78. (in polish)

Preparation of "Operating instructions for shrinkage limit apparatus WF 2/756 Wykeham Farrance" (2004), in stock of Laboratory of Applied Geology, Institute of Hydrogeology and Engineering Geology, Faculty of Geology, University of Warsaw. (in polish)

### **Grants:**

- 2009 – 2011 1-week grants within the LLP-Erazmus: Università degli studi di Napoli Federico II, Italy (3); Aarhus Universitet, Danmark (1); Suleyman Demirel Universitesi, Isparta, Turkey (1)
- May 2008 – 1-month grant within the CEEPUS II at the Comenius University in Bratislava

### **Teaching experience:**

- Regional soil science and pedology - lecture for 4th year students
- Influence of organic pollution on resistance and deformability of clay soils – lecture
- Organic pollution in the soil ground – lecture (in English)
- Applied geology - laboratory classes for 2nd year students
- Soil science - laboratory classes for 4th year students
- Pedology - laboratory classes for 4th year students
- ABC of soil science - the internet course, co-author

### **Computer literacy:**

Microsoft Office programs: Word, Excel, Power Point – experienced user,

Corel Draw – experienced user,

HTML – basic skills (my homepage: <http://home.geo.uw.edu.pl/dim>),

### **Languages:**

Italian                    basic level

English                   Certificate of Advanced English (2004 r.)

Spanish                   intermediate level

Russian                   good command of written and spoken (no practice lately)

**Additional skills:**

touch typing,

driving licence (since 1994)

**Hobby:**

learning foreign languages, travelling, cooking