

ROZBICKA Katarzyna

Ph Doctor

Contact

Warsaw University of Life Sciences-SGGW
Faculty of Civil and Environmental Engineering
Division of Meteorology and Climatology
Water Center - Laboratory
6 Ciszewskiego str.
02-776 Warsaw



Tel: 48 22 59 35 273
e-mail: katarzyna_rozbicka@sggw.pl

Education

Master thesis	Nicolaus Copernicus University in Toruń, Faculty of Biology and Earth Sciences, direction Geography, 1997.
PhD thesis	WULS-SGGW, Faculty of Civil and Environmental Engineering, speciality: Environmental Sciences; PhD in agricultural sciences, 2006.

Didactics

- Meteorology and Climatology
- Air Pollution and Protection of the Atmosphere
- Applied Climatology
- Urban Climatology
- Climate changes and their effects in environment

Fields of Research

- Air Pollution in urban agglomeration
- Research air quality and appearing of photochemical smog on urban area and their relation with meteorological conditions
- Agroclimate and bioclimate of Poland

Participation in research projects

2008-2012 Supervisor of research project Ministry of Science and Higher Education „Influence meteorological conditions on photochemical smog in the Warsaw agglomeration”

2008-2010 Performer of research project Ministry of Science and Higher Education „Structure of meadow heat balance in different depth of groundwater level”

Courses and trainings

- 2008** Training in Institute of Meteorology and Water Management (IMGW) and Center of Education Hydrology and Meteorology (CEHM) – lectures of synoptic meteorology and forecasting on the base accessible measurement data, IMGW Warsaw
- 2008** Statistica – elementary course – StatSoft Poland Sp. z o.o in Cracow
- 2009** Statistica – multiple analysis – StatSoft Poland Sp. z o.o in Cracow

List of Publications:

1. **Rozbicka K.** 2008: Estimation influence meteorological conditions on nitrogen dioxide concentration in Warsaw-Ursynow area. Air protection in theory and practice. Institute of Environmental Engineering of the Polish Academy of Sciences in Zabrze, T.2, p.187-199.(in polish)
2. Kleniewska M., **Rozbicka K.** 2008: Relationship between sulphur dioxide and nitrogen dioxide concentration and wind direction in Warsaw agglomeration. Monography "Climate and urban bioclimate" editorial by Kłysik K., Wibig J., Fortuniak K. Publisher University of Łódź, p.431-443. (in polish)
3. Majewski G., Przewoźniczuk W., Kleniewska M., **Rozbicka K.** 2009: Analysis of variation for some air pollution in relationship with precipitation in the Ursynow area. Acta Agrophysica 13(2)\167, p.419-434. Publisher Institute of Agrophysic PAN in Lublin. (in polish)
4. **Rozbicka K.**, Majewski G., Rozbicki T. 2009: Characteristic atmospheric stability in urban station –Ursynow WULS and suburban station –Legionowo. Acta Agrophysica 13 (2)\167, p. 473-485. Publisher Institute of Agrophysic PAN in Lublin. (in polish)
5. **Rozbicka K.**, Rozbicki T., Kleniewska M. 2010: Preliminary results of research on variability of tropospheric ozone in the southern part of the Warsaw agglomeration. Acta Agrophysica 179 (2), s.71-80. Publ. Inst. Agrophysic PAN Lublin.
6. **Rozbicka K.**, Majewski G., Rozbicki T. 2010: Variability of tropospheric ozone concentration in the southern part of the Warsaw agglomeration. Monography: Air protection in theory and practice. Institute of Environmental Engineering of the Polish Academy of Sciences in Zabrze, t. 2, p. 293-302, Zabrze.(in polish)
7. Majewski G., Odorowska M., **Rozbicka K.** 2012: Analysis of thermal conditions in Ursynow-WULS station in Warsaw in 1870-2009. Water Environment Rural Areas, 2012 (IV-VI): t.12 z.2(38), p.171-184. Institute of Technology and Life Sciences in Falenty.(in polish)

Script

Collective work: Gołaszewski D., Kleniewska M., Majewski G., Rozbicka K., Błędzińska A., 2009: Exercises of Meteorology. Autor's chapter (8&9): Air pressure and wind. Publ. WULS Warsaw, p.112-122. (in polish)