

Sylwia Szporak-Wasilewska

PhD Eng.

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Education

- 2012: Warsaw University of Life Sciences, Faculty of Civil and Environmental Engineering, Ph.D. Eng.
- 2003: Warsaw University of Life Sciences, Interfaculty Study of Environmental Protection, M.Sc. Eng.

Didactics

- Decision support systems
- Geographical information systems
- Geoinformation systems
- Information technology
- Informational databases
- Integrated geoinformation systems
- Integrated water management
- Integrated water resources management
- Monitoring of the ecosystems functioning
- Protection of river valley ecosystems
- Water management and water resources protection

Fields of Research

- remote sensing
- modelling of hydrological processes
- geoinformation systems
- protection of river valley and wetland ecosystems

List of Publications

- **S. Szporak**, J. Chormański. 2004: Application of ratio images and Principal Component Analysis for determination of land cover during the flooding in the Lower Biebrza Basin using Landsat 7/ETM+ imagery. Scientific Review Engineering and Environmental Sciences, Annals XIII, Issue 2(29), Warsaw. (in Polish)
- T. Okruszko, A. Brandyk, **S. Szporak**. 2005: Ochrona i renaturyzacja środowiska Bagien Przemkowsko - Przecławskich. Wiadomości Melioracyjne i Łąkarskie Nr 1 (404), Warsaw. (in Polish)

- A. Brandyk, **S. Szporak**, T. Okruszko. 2005: Przemków Landscape Park –key issues in wetlands restoration and management. Wethydro publications: „Antropogenic Influence on Wetlands Biodiversity and Sustainable Management of Wetlands”, Warsaw. (in English)
- A. Brandyk, **S. Szporak**, M. Giełczewski, T. Okruszko. 2006: Zagospodarowanie obszaru Bagien Przemkowsko-Przeclawskich na tle przekształceń w ich sieci hydrograficznej. Prace naukowe Instytutu Inżynierii Ochrony Środowiska Politechniki Wrocławskiej 82, Seria: Studia i Materiały 22. Interdyscyplinarne Zagadnienia w Inżynierii i Ochronie Środowiska, Wydawnictwa Politechniki Wrocławskiej, Wrocław. (in Polish)
- A. Brandyk, M. Giełczewski, **S. Szporak**, T. Okruszko. 2006: The management of Przemkowsko-Przeclawskie swamps against a background of hydrological conditions and environmental protection demands Scientific Review Engineering and Environmental Sciences, Annals XV, Issue 2(34), Warsaw. (in Polish)
- **S. Szporak**, A. Kozioł, D. Mirosław-Świątek, J. Kubrak. 2006: Determination of plant characteristics used in discharge assessment of the Biebrza River Valley. Scientific Review Engineering and Environmental Sciences. Nr 2(34), Warsaw. (in Polish)
- A. Brandyk, **S. Szporak**, M. Giełczewski, T. Okruszko. 2007: Przemkow Peatland. W: Grootjans A., Wołejko L. Conservation of wetlands in polish agricultural landscapes, Szczecin. (in English)
- **S. Szporak**, D. Mirosław-Świątek, J. Chormański. 2008: The flood extent in the lower Biebrza basin calculated by the 1D flow model for different land use scenarios. Annals of Warsaw University of Life Sciences - Land Reclamation, Vol.40, No1, 45-54, Warsaw. (in English)
- D. Mirosław-Świątek, **S. Szporak**, J. Chormański, T. Okruszko. 2008: Hydrodynamic model of the Lower Biebrza River flow – A tool for assessing the hydrologic vulnerability of a floodplain to management practices. International Journal of Ecohydrology & Hydrobiology, Vol. 8, No 2-4, 331-337. (in English)
- U. Somorowska, M. Gutry-Korycka, M. Lenartowicz, J. Chormański, **S. Szporak**. 2011: Charakterystyka uwarunkowań hydrologicznych - Ochrona i renaturyzacja mokradeł Kampinoskiego Parku Narodowego. Praca zbiorowa pod redakcją Ewy Ramus, Published by SGGW, 45-71, Warsaw. (in Polish)