

**Anna Jędrejek** is a researcher at the Institute of Soil Science and Plant Cultivation – State Research Institute in the Department of Bioeconomy and Systems Analysis. She is/was involved in projects funded by the European Union (H2020, FP7) and the Polish government (e.g. NCRD, multi-annual programs) such as BioEcon, AFINET, BioReg, BioBoost, SmartVillages, ECOSERV SustainFARM, LCAgri, BioMAgic, TechRol, Agricultural Drought Monitoring System. In her work she uses GIS environment to conduct spatial or spatio-temporal environmental analyses using data from many different sources including satellite data processing. Moreover, she has experience with database designing and modelling. Her main interests are monitoring various types of negative weather phenomena and their effects on plant health based on optical and radar imaging; possibilities of energy production from agricultural biomass. (HI =4; 40)