

Institute of Agrophysics (IA PAS) is a research institution of the Polish Academy of Sciences. IA PAS is an institute of Division II of Biological and Agricultural Sciences of the Polish Academy of Sciences.

The main object of research is focused on transport processes in the soil-plant-atmosphere system, properties and processes affecting soil and plant quality, processing for food and energy purpose. The interdisciplinary approach applies physics, physicochemistry and biology for solving contemporary problems of agriculture. Applicable research is focused on developing and improving methods and devices for evaluation and monitoring of soil, agricultural plant materials and gas emission, and on creating new food technologies of biomass processing for energy or new biomaterials and biopreparations.

Mission

The Institute's mission is to conduct research for the sustainable production of agricultural plant raw materials in order to ensure food security and mitigate adverse environmental and climate changes.

Strategy

Major social and economic issues which are the subject of the Institute's mission and strategic objectives, have their source in physical, chemical and biological processes on a molecular scale. Therefore, the implementation of strategic objectives involves studying the phenomena occurring in the soil-plant-atmosphere system on a molecular to macroscopic scale with the use of knowledge from various disciplines of agricultural and natural sciences.