# Annex 2 to the Regulations of the International Doctoral Studies of the IPG PAS adopted by the Scientific Council of the Institute of Plant Genetics PAS on December 13, 2019

# Learning outcomes at the International Doctoral Studies of the Institute of Plant Genetics Polish Academy of Sciences in Poznań

PhD students graduating the International Doctoral Studies IPG PAS in Poznań achieve the following learning outcomes in the areas of:

# Knowledge

* + have extensive knowledge of agriculture and horticulture, with particular emphasis on broadly understood plant genetics and genomics, to the extent that revision of existing paradigms,
  + have advanced knowledge, taking into account the latest global achievements, covering theoretical foundations and general issues as well as selected specific issues and development trends in these disciplines, directly related to with the subject of conducted research,
  + they know research techniques used in biology and agricultural sciences and are able to use them in scientific work,
  + know the fundamental dilemmas of modern civilization and the important determinants of research activity,
  + they can assess the value of scientific publications and research projects, and have knowledge of the principles and possibilities of financing projects.

# Skills

* + have the skills to independently search, analyse, select and evaluate information from various sources of knowledge,
  + are able to analyse the results of scientific work related to the conducted research,
  + have the skills enabling publishing the results of their own research in scientific and popular science journals,
  + can creatively participate in the preparation of a research project, also in an international environment,
  + can plan their own development and act for realising it,
  + they are able to use a foreign language to the extent enabling participation in an international scientific environment.

# Social competences

* + are people involved in the scientific life,
  + can serve with their knowledge the society in the field of their area of expertise,
  + are aware of their own research competences and are able to critically assess their level in relation to the standards dominant in practiced field of knowledge and their own specialty,
  + are aware of the ethical principles applicable to scientific activities, including the principle of public ownership of research results, including the principles of intellectual property protection,
  + are aware of belonging to the scientific community and understand the need to represent their interests in society.