

Short curriculum vitae

Lorenzo Raggi, 2004 Master Degree in Agricultural Science and Technology with the highest rating and full honours, 2007 Philosophy Doctor in Plant Biology and Agri-environmental Biotechnology defending the work thesis entitled “Genetic and Physical Mapping of Candidate Genes for apomixis in *Poa pratensis* L.” approved with the highest rating. From 2007 to 2018, Postdoctoral Researcher at the Department of Agricultural, Food and Environmental Sciences of the University of Perugia and since 2018 is Researcher at the same University where he does official teaching activities in the courses *Biodiversity and Plant Evolution*.

His research activity has focused on different topics related to plant genetics and mainly on the morphological and molecular characterization of plant genetic resources for agriculture and on the study of different aspects of *in situ* conservation. His main specialty relays with genetic diversity characterization that he applied to study landraces of different crop species including barley, common bean and different species of the genus *Brassica*. He also studied genetic control of traits relevant for breeding new common bean varieties able to better adapt to climate change effects – mainly through the manipulation of flowering time – and to produce more nutritious food through biofortification. He also took part in the development of varieties and heterogeneous materials for sustainable agriculture. He has expertise in *in situ* and *ex situ* conservation of both landraces and crop wild relatives.

In 2023 he is author and/or co-author of more than 50 publications in national and international (*peer-reviewed*) scientific journals and of more than 70 Abstracts presented at National and International Congresses. Since 2013 he is member of the Italian Society of Agricultural Genetics and, since 2017, part of the Board of the Section dedicated to Genetic Resources Section of the European Association for Research on Plant Breeding (EUCARPIA).

Five relevant recent publications

Raggi, L., Pacicco, L.C., Caproni, L., Alvarez-mu, C., Barata, A.M., Batir-rusu, D., Díez, M.J., Heinonen, M., Kell, S., Kutnjak, H., Maierhofer, H., Poulsen, G., Prohens, J., Ralli, P., Rocha, F., Rubio, M.L., Sandru, D., Santamaria, P., Sensen, S., Shoemark, O., Soler, S., Str, S., Weibull, J., Maxted, N., Negri, V., 2022. Analysis of landrace cultivation in Europe : A means to support *in situ* conservation of crop diversity. *Biological Conservation*. 267. <https://doi.org/10.1016/j.biocon.2022.109460>

Raggi, L., Caproni, L., Negri, V., 2021. Landrace added value and accessibility in Europe: what a collection of case studies tells us. *Biodiversity and Conservation*. 30, 1031–1048. <https://doi.org/10.1007/s10531-021-02130-w>

Raggi, L., Caproni, L., Carboni, A., Negri, V., 2019. Genome-Wide Association Study Reveals Candidate Genes for Flowering Time Variation in Common Bean (*Phaseolus vulgaris* L.). *Frontiers in Plant Science* 10. <https://doi.org/10.3389/fpls.2019.00962>

Raggi, L., Ciancaleoni, S., Torricelli, R., Terzi, V., Ceccarelli, S., Negri, V., 2017. Evolutionary breeding for sustainable agriculture : Selection and multi-environmental evaluation of

barley populations and lines. *Field Crops Research* 204, 76–88.
<https://doi.org/10.1016/j.fcr.2017.01.011>

Klaedtke, S.M., Caproni, L., Klauck, J., Grandville, P. De, Dutartre, M., Stassart, P.M., Chable, V., Negri, V., Raggi, L., 2017. Short-Term Local Adaptation of Historical Common Bean (*Phaseolus vulgaris* L.) Varieties and Implications for In Situ Management of Bean Diversity. *International Journal of Molecular Science* 18, 1–19.
<https://doi.org/10.3390/ijms18030493>