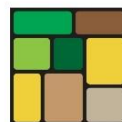


CYCLE	XXXVIII
STUDENT	ANGIONE GIUSEPPINA
TUTOR	Concetta Lotti
CO-TUTOR	-

CURRICULUM	Sustainable Agriculture, Natural Resources and Biodiversity
PROVISIONAL TITLE of the RESEARCH PROJECT	Biodiversity analysis for morpho-agronomic characteristics in wheat varieties
DOCTORAL SCHOLARSHIP	DM 351
SHORT CV	• Master's degree in plant medicine – Department of Soil, Plant, and Food Sciences (DiSSPA), University of Bari “Aldo Moro” (2018–2022). Experimental thesis focused on the “Identification of Functional Molecular Markers for the Selection of Almond Cultivars with Low Amygdalin Content in Seeds”. • Research Scholarship – Council for Agricultural Research and Economics (CREA), Research Centre for Cereal and Industrial Crops (CREA-CI), Foggia (Dec 2021 – Dec 2022). Research activities included the optimization of PCR and Real-Time PCR techniques, varietal fingerprinting of ancient wheat varieties, and the development of molecular diagnostic markers for traits such as vernalization (<i>Vrn</i>), photoperiod (<i>Ppd</i>), and semi-dwarfing <i>Rht</i> genes in wheat. • PhD in Agricultural Genetics – Department of Agricultural Sciences, Food, Natural Resources, and Engineering (DAFNE), University of Foggia (Dec 2022 – present). Research focuses on



	biodiversity analysis and genetic characterization of wheat varieties, with particular emphasis on the role of alternative Rht alleles affecting plant height, coleoptile length, and early vigor to support climate-resilient wheat ideotypes.
PUBLICATIONS	PUBLICATIONS - Puglisi, D., Afshari-Behbahanzadeh, S., Angione, G., Colella, I., Fania, F., Spadanuda, P., Esposito, S., & De Vita, P. (2024). Genomic Prediction Models for Morpho-Phenological Traits in Durum Wheat based on Vrn, Ppd, and Rht alleles. <i>The Plant Genome</i>. - Esposito, S., Palombieri, S., Vitale, P., Angione, G., D'Attilia, C., Taranto, F., ... & De Vita, P. (2024). Identification and development of functional markers for purple grain genes in durum wheat (<i>Triticum durum</i> Desf.). <i>Theoretical and Applied Genetics</i>, 137(9), 210. CONFERENCE POSTERS / ABSTRACTS G. Angione et. al. (First author) From the Green Revolution to Green Resilience: Rht Genes Between Productivity and Adaptation – Poster Communication, From Seed to Pasta V International Conference, Bari, Italy, 24–27 September 2025. G. Angione (co-author). Investigation of VRN-B1 diversity in Triticum spp. using in-silico and molecular approaches – Poster Communication, From Seed to Pasta VI International Conference, Bari, Italy, 24–27 September 2025. G. Angione (co-author). TETRAOMIX Wheat Database: An online platform to manage Triticum germplasm – Poster Communication, From Seed to Pasta VI International Conference, Bari, Italy, 24–27 September 2025. G. Angione (co-author). Digital canopy height measured with RGB-UAV drone revealed the time-sequence activation of Rht and Vrn genes in bread wheat – Poster Communication, Proceedings of the LXVIII SIGA Annual Congress, Viterbo, 9–12 September 2025. ISBN: 978-88-944843-6-6. G. Angione, et al. (First author) Assessment of genetic variation in bread and durum wheat varieties using SSR markers to ensure varietal identity – Poster Communication Abstract – 6.42, Proceedings of the LXVII SIGA Annual Congress, Bologna, 10–13 September 2024. ISBN: 978-88-944843-5-9. G. Angione, et al. (First author) Investigating Rht GA₃-sensitive genes to improve wheat drought



	tolerance through QTL-seq approach – Poster Communication Abstract – 2.52, Proceedings of the LXVII SIGA Annual Congress, Bologna, 10–13 September 2024. ISBN: 978-88-944843-5-9. • G. Angione (co-author). VRN-B1 variability in Triticum spp. revealed by in-silico approach and molecular markers – Poster Communication Abstract – 2.61, Proceedings of the LXVII SIGA Annual Congress, Bologna, 10–13 September 2024. ISBN: 978-88-944843-5-9. • G. Angione (co-author). A dynamic online platform to manage and store Triticum germplasm – Poster Communication Abstract – 6.21, Proceedings of the LXVII SIGA Annual Congress, Bologna, 10–13 September 2024. ISBN: 978-88-944843-5-9. • G. Angione, et al. (First author) Harnessing genetic diversity to enhance cold tolerance in durum wheat through genome-wide association approach: A pathway for climate-adaptive cultivar development – Poster Communication Abstract – 2.18, Proceedings of the LXVI SIGA Annual Congress, Bari, 5–8 September 2023. ISBN: 978-88-944843-4-2. • G. Angione (co-author). Unraveling the genetic mechanism of purple grain pigmentation in durum wheat – Poster Communication Abstract – 1.59, Proceedings of the LXVI SIGA Annual Congress, Bari, 5–8 September 2023. ISBN: 978-88-944843-4-2.
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