

CURRICULUM VITAE

1. Current Position

Laurent CRESPEL

Associate Professor (Exceptional Class)

CNECA Section No. 5

Institut Agro Rennes-Angers

Department of Plant Sciences for Agriculture and Horticulture (SVAH)

Joint Research Unit (UMR 1345) – Institute for Research in Horticulture and Seeds (INRAE/Institut Agro/University)

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2. Academic Qualifications

2019 Habilitation to Supervise Research (HDR), Life Sciences, University of Angers, entitled: Contribution to Rose Breeding: From the Exploitation of Wild Genetic Resources to the Genetic and Environmental Determinants of Traits of Interest.

The HDR was defended on 11 December 2019 before the examination committee composed of:

- Sylvie Baudino, Professor, University of Saint-Étienne, Reviewer
- Evelyne Costes, Research Director, INRA Montpellier, Reviewer
- Jean-Louis Julien, Professor, Clermont Auvergne University, Reviewer
- Fabrice Foucher, Research Director, INRA Angers, Examiner
- Didier Peltier, Professor, University of Angers, Examiner
- Soulaïman Sakr, Professor, Institut Agro Rennes-Angers, HDR Supervisor

1998–2001 PhD in Organism Biology, Aix-Marseille III University, awarded with Highest Honours and Jury Congratulations.

Dissertation entitled: Genetic Variability and Reproductive Biology of Dihaploid, Diploid and Tetraploid Roses: Applications to Cultivated Rose Breeding.

The doctoral research was carried out under a CIFRE industrial fellowship with Meilland Star Rose under the supervision of S. Gudin and defended on 10 July 2001 before the examination committee.

3. Professional Experience

2007–present Institut Agro Rennes-Angers – Associate Professor (Exceptional Class) in Ornamental Horticulture

- 2001–2007 Meilland International – Deputy Research Director, Scientific Manager and Rose Breeder
- 1998–2001 Meilland Star Rose – Research Scientist
Development of hybridization strategies between wild and cultivated roses

4. Major Scientific Responsibilities and External Appointments

- 2009–present Scientific Expert, POPAM Scientific Committee, CTPS
- 2011–2024 Scientific Expert, ASTREDHOR Scientific Council
- 2016–2023 Co-coordinator, Rencontres du Végétal Conference
- 2024–present Chair, ASTREDHOR Scientific Council
- 2024–present Member, ACTA Scientific and Technical Advisory Board

5. Scientific Leadership of National Research Projects

- 2013–2016 CASDAR ARIAGE Project (with ASTREDHOR) – Genetic and environmental determinants of architectural traits governing plant shape in garden rose shrubs.
- 2018–2022 CASDAR IRRADIANCE Project (with ASTREDHOR) – Development of an innovative controlled-environment cultivation system to produce compact and well-branched horticultural plants through light quality management.
- 2021–2022 Private research project (with RED HORTICULTURE) – Effects of light quality × light intensity interaction on the architecture and physiology of young tomato plants.
- 2025–2027 France 2030 Regional Innovation Project (Centre-Val de Loire), LUCEM (with France Pilté) – Development of an illuminated rolling-bench cutting propagation system for roses.

6. Doctoral and Postdoctoral Supervision

Two PhD candidates and two postdoctoral researchers.

7. Publications and Scientific Output

Google Scholar profile: <https://scholar.google.com/citations?u=&user=kmfS2jUAAAAJ>