



Mariem Nsibi



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PROFESSIONAL EXPERIENCE

- **PhD in quantitative genetics**
- December 2017 – June 2021 □ The French National Research Institute for Agriculture, Food and Environment (INRAE) □ Research unit 'Genetic Improvement of Fruit and Vegetables (GAFL)'
 - Assessment of two selection strategies : **genomic selection** and **phenomic selection** to breed for agronomically relevant traits in Apricot (*Prunus armeniaca*)
- **End-of-studies internship**
- March 2017 – August 2017 □ INRAE □ GAFL
 - **Genomic selection** – Which prospects in Prunus? Example of *Prunus armeniaca*
- **Research internship**
- February 2016 – June 2016 □ National Institute of Research in Rural Engineering, Water and Forestry □ Laboratory of management and development of forest resources
 - Contribution to the knowledge of biological activities and phytochemical investigation of raw extracts of soursop *Annona muricata*
- **Research internship**
- June 2015 – July 2015 □ National Institute of Agronomic Research of Tunisia □ Laboratory of biotechnology applied to agriculture
 - Optimization of in vitro culture protocols to produce cactus, strawberry and vine plants

EDUCATION

September 2016 – September 2017 • **Master's degree** • Montpellier SupAgro •

Selection and evolution of Mediterranean and tropical plants

September 2013 – June 2016 • **Agronomic science engineering** • The National Agronomic Institute of Tunisia (INAT) • Plant breeding and biotechnology

September 2011 – June 2013 • **Preparatory class** • Faculty of Science of Tunis

Publications

- Adoption and Optimization of Genomic Selection To Sustain Breeding for Apricot Fruit Quality • Published on Genes | Genomes | Genetics
- Assessment of phenomic selection accuracy for fruit quality and phenology in Apricot • To be submitted to Genes | Genomes | Genetics
- Phenomic selection: What prospects within an Apricot diversity panel? • To be submitted

Key skills

Quantitative genetics

Statistical modeling

Bioinformatics

Languages

Arabic

English

French

Softwares

R

Tassel

Matlab

Networking



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