

**Pr. Lamiae GHAOUTI**

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## **Education**

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**2007:** PhD Diploma in Agronomy specialized in Plant Breeding in Georg-August University of Göttingen in Germany. The thesis was titled "Comparison of pure line cultivars with synthetic cultivars in local breeding of faba bean (*Vicia faba* L.) for organic farming".

**2003:** Engineer in Agronomy specialized in Plant Breeding at the Hassan II Institute of Agronomy and Veterinary Medicine, Rabat, Morocco. The research was led in the frame of IPGRI project (International Plant Genetic Resources Institute) to develop *in-situ* conservation of faba bean in Northern Morocco.

**2001:** Diploma of General Agronomy at Hassan II Institute of Agronomy and Veterinary Medicine, Rabat, Morocco

## **Professional Experience**

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**Since 2021:** Deputy Director of Cooperation, Partnership and Development at IAV Hassan II

**Since 2017:** Head of the Department of Production, Protection and Biotechnologies of Plants at IAV Hassan II

**Since 2011:** Lecturer and Researcher in the Department of Production, Protection and Biotechnologies of Plants at IAV Hassan II. Experience in Genetic Diversity Principles, Plant breeding and Quantitative Genetics with a focus on faba bean (*Vicia faba* L.).

**2008-2011:** Legume plant breeder and member of the Research Department in the plant breeding company NPZ (Norddeutsche Pflanzenzucht Hans-Georg Lembke) KG in Hohenlieth, Germany.

**2004-2007:** Assistant to research at the Department of crop Sciences in Georg-August University of Göttingen in Germany.

## **Awards**

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Winner of Rümker Price 2009; Price of the best young researcher in Plant Breeding at the national level in Germany. <https://idw-online.de/en/news306492>

## Relevant Publications

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- Adhikari K., H. Khazaei , **L. Ghaouti**, F.Maalouf , A.Vandenberg A., W. Link , D. M O'Sullivan, **2021**. Conventional and Molecular Breeding Tools for Accelerating Genetic Gain in Faba Bean ( *Vicia Faba L.*). *Frontiers in Plant Science.*;12:744259. doi: 10.3389/fpls.2021.744259. eCollection 2021.
- Aqtbouz N., W. Link, L.Belqadi and **L. Ghaouti**, **2018**. Genetic diversity among North African faba bean landraces for competitive ability against weeds. Accepted in *Journal of Cultivated Plants* ISSN 0027-7479.
- Marrou H., J.J. Ricaute, J.A. Clavijo Michelangeli, M.E. Ghanem, **L. Ghaouti** and T.R. Sinclair, **2017**. Is Nitrogen accumulation in grain legumes monitored by growth or ontogeny? *Physiol Plant.*;162(1):109-122. doi: 10.1111/ppl.12617.
- Ennami. M, R. Mentag, **L.Ghaouti**, **2017**. Host differentiation and variability of *Orobanche crenata* populations from legume species in Morocco as revealed by cross infestation and molecular analysis. *Pest Management Science*. ID: PS4536
- Ennami M., F.Briache, J. Mbasani Mansi, F.Gaboun, **L. Ghaouti**, L. Belqadi and R.Mentag, **2017**. Genetic Diversity of Moroccan *Orobanche crenata* Populations Revealed by Sequence-Related Amplified Polymorphism Markers *Journal of Agricultural Science*; Vol. 9, No. 4; ISSN 1916-9752 E-ISSN 1916-9760.
- **Ghaouti L.**, A. Schierholt, and W. Link, **2016**. Effect of competition between *Vicia faba* L. and *Camelina sativa* as a model weed in breeding for organic conditions. *Weed research*. DOI: 10.1111/wre.12193.
- **Ghaouti L.**, and W. Link, **2009**. Comparison between local vs. formal breeding and inbred line vs. synthetic cultivars for organic farming. Case of *Vicia faba* L. *Field Crops Research*, 110: 167-172.**F Ghaouti L.**, W. Vogt-Kaute, W. Link, **2008**. Development of locally-adapted faba bean cultivars for organic conditions in Germany through a participatory breeding approach. *Euphytica*. 162: 257-268.

## Communications

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**Ghaouti L.** Mosseddaq F. et Chtaina N., **2018**. IAV Hassan II. Rôle Clé des Analyses dans la Modernisation du Pilotage et de la Gestion des Productions Agricoles. Logistiques des Analyses Techniques Végétales, Animales et des Microorganismes. Salon International de l'Agriculture au Maroc SIAM, 26 Avril 2018, Meknes, Maroc.

**Ghaouti L.**, N. Tayeh, **2018**. 8ème Conférence plénière. Voies de progrès génétique pour les légumineuses en Europe et en Afrique du Nord. Deuxième Rencontres Francophones sur les Légumineuses. RFL2, Toulouse, France, 17-19 Octobre 2018.

**Ghaouti L.**, **2018**. Genetic diversity of faba bean landraces in Morocco: Conservation and Valorization. Faba bean Workshop. Seventh International Food Legume Conference, ILRFC VII, Marrakech, Maroc, 6-8 May, 2018.

**Ghaouti L.**, **2017**. IAV Hassan II, Plateforme de Formation et de Recherche en Amélioration Génétique Végétale: Actions/Potentialités d'un Acteur Clé. Session Progrès Génétique, Levier d'Amélioration de la Production et de la Productivité des Filières Végétales.Salon International de l'Agriculture au Maroc SIAM, 19 Avril 2017 Meknes, Maroc.

**Ghaouti L.**, N. Aqtbouz, L. Belqadi and W. Link, **2016**. Genetic diversity of *Vicia faba* L. landraces in Morocco: a reservoir for the enhancement of the competitive ability to weed stress. The third International American Moroccan Agricultural Sciences Conference – AMAS Conference III. December 13-16, 2016, Ouarzazate, Morocco.

**Ghaouti L.**, **2016**. The Future Agriculture in Africa in the context of Climate changes. Session of Mitigation, Adaptation and Resilience to Climate Change in Africa: Role of Science, Technology and Continental Cooperation. The 22nd session of the Conference of the Parties (COP 22). Marrakech, Morocco. 7-18 November 2016.