

MARROU, Helene

Assistant professor in Agronomy

Montpellier SupAgro (Département Milieux, Productions, Ressources et Systèmes - MPRS)
UMR Fonctionnement des Systèmes de cultures Tropicaux et Méditerranéens)

Montpellier, France
helene.marrou@supagro.fr

Education

<i>Date</i>	<i>Name of the education programme, Institution</i>
2012	Ph.D. in Agronomy, Montpellier SupAgro, France
2009	Diplôme d'Agronomie Avancée (MSc in Agronomy), AgroParistech, France Major: "Production Végétales Durables" (Sustainable crop production) completed in Montpellier SupAgro, France
2008	Diplôme d'Agronomie Générale (Engineer in Agronomy) , AgroParistech, France

Professional experiences

<i>Date</i>	<i>Position, Institution</i>
2014-...	Assistant professor in Agronomy, Montpellier SupAgro (Département Milieux, Productions, Ressources et Systèmes - MPRS), UMR Fonctionnement des Systèmes de cultures Tropicaux et Méditerranéens (SYSTEM)
2013-2014	Post-doctoral fellow, North Carolina State University (NCSSU), Raleigh, NC, USA - International Crop Research Institute for Semi-Arid Tropics (ICRISAT), Patancheru, India
2013	Research Fellow, Montpellier SupAgro, UMR Fonctionnement des Systèmes de cultures Tropicaux et Méditerranéens (SYSTEM), France
2009-2012	PhD Student, Institut Français de la Recherche Agronomique, (INRA), UMR Fonctionnement des Systèmes de cultures Tropicaux et Méditerranéens (SYSTEM), France
2009	Fellow, Institut Français de la Vigne et du Vin (IFV) - INRA, UMR Ecophysiologie et Génétique Fonctionnelle de la Vigne), France
2008	Quality Management Assistant, Red Land's Roses, Kenya
2007	Fellow, Centre International de la Recherche Agronomique pour le Développement (CIRAD), France

Awards (optional)

<i>Date</i>	<i>Name</i>
2016	AgreenSkills young scientist grant
2012	Silver Medal, French Academy of Agriculture (PhD thesis national Award)
2007	Tisserand Medal, French Academy of Agriculture (Top of the class prize for MSc candidates in Agronomy, national Award)
2007	Julien Coleou Grant (Grant rewarding promising MSc candidates project)

Selected projects funded and managed (max 5):

None.

Number of publications in international journals:)

14 publications (published or under review) in the following peer-reviewed international journals:

Trends in Plant Sciences

Field Crop Research

Agricultural and Forest Meteorology

Global Food Security

European. Journal of Agronomy

Renewable Energy

Environmental Modeling & Software

Crop Sciences

Agronomy Journal

Agricultural Systems

Hirsch index (Web of Science): (*specify*) : **5**

Significant publications (max 10) in the last 3 years:

Marrou, H., Ricaurte, A.J., Ghanem, M.E., Ghaouti, L., Sinclair, T.R. **2017**. What are the determinants of Nitrogen accumulation in grain legumes? **Physiologia Plantarum**. Under review.

Guiguitant J., Ghanem M.E., **Marrou H.**, Gutpa P., Kumar S. **2016**. Relevance of limited-transpiration trait for lentil (*Lens culinaris* Medik.) in South Asia. **Field Crops Research**. In press.

Marrou H., Vadez V., Sinclair T.R. **2015**. Crop survival of drought during establishment: an interspecific comparison of five grain legumes. **Crop sciences**. 55, 1-10.

Marrou H., Sinclair T.R., Metral R. **2014**. Assessment of irrigation scenarios to improve performances of Lingot bean (*Phaseolus vulgaris*) in southwest France. **European. Journal of Agronomy**. 59, 22–28.

Sadras V. O., Vadez V., Purushothaman R., Lake L., **Marrou H.** **2015**. Unscrambling confounded effects of sowing date trials to screen for crop adaptation to high temperature. **Field Crop Research**. 177,1-8.

Ghanem M.E., **Marrou H.**, Sinclair T.R. **2014**. Challenges in Phenotyping Plants for Crop Improvement. **Trends in Plant Sciences**,1(6), 1360-1385.

Ghanem M.E.†, **Marrou H.** †, Biradar C., Sinclair T.R. **2015**. Production potential of Lentil (*Lens culinaris* Medik.) in East Africa. accepted († equally contributed). **Agricultural Systems**. 137, 24–38

Ghanem M.E., **Marrou H.**, Soltani A., Kumar S., Sinclair T.R. **2015**. Model assessment of phenology and yield of Lentil (*Lens culinaris* Medik.) in three locations in the Middle-East. **Agronomy journal** accepted

Sinclair, T.R., **Marrou, H.**, Soltani A., Vadez, V., Chandolu, K. C. **2013**. Initial assessment of soybean traits for production in Africa. **Global Food Security**, 3, 31–40