



TROPIMUNDO

ERASMUS MUNDUS MASTERS COURSE IN TROPICAL BIODIVERSITY AND ECOSYSTEMS

Sabrina Coste, TROPIMUNDO UdG Local Coordinator

Sabrina Coste is Assistant professor at the University of French Guyana (UGF). She holds a PhD in tropical forest plant ecophysiology and she is currently working at the EcoFoG research Unit in Kourou. She is in charge of courses and lectures in biology of organisms, ecology and tree ecophysiology from bachelor to master degrees. Her research focuses on the functional traits diversity of tropical tree species through comparative ecophysiological approaches.

1	Family name	COSTE		
2	First name	Sabrina		
3	Date of birth	02 September 1978		
4	Nationality	French		
5	E-mail	sabrina.coste@ecofog.gf		
6	Education / Professional studies			
	Dates (from-to)	Institution	Degree/diploma	
	2003-2008	AgroParisTech, Nancy	PhD (Tropical forest, Ecophysiology)	
	2001-2002	Nancy I University	MSc (Forest Biology)	
7	Language skills Grade skill 1-5 (1 = basic, 5 = excellent, * = mother tongue)			
	Language	Speaking	Reading	Writing
	English	3	5	4
	French*	5	5	5
8	Membership of professional bodies			
9	Other Skills			
	Computer skills, research skills, managerial capabilities			
10	Name of organisation currently working for and Present position in the organisation	Name of Organisation: University of French Guyana (UdG) Present position in the organisation: Assistant Professor		
11	Years with the organisation	started in 2017		
12	Long-term experience in specific countries/territories			
	Country	Date	Details	
	French Guiana	2013-present	Research on tree functional traits	
	Republic of the Congo	2009-2011	Post-Doctoral Researcher (University of Aberdeen; Cirad-CRDPI Pointe noire)	
	French Guiana	2002-2007	MSc, PhD (EcoFoG research unit)	
13	Professional experience record			
	Location	Date	Organisation	
	French Guyana	2013-present	University of French Guyana (UGF)	
	Position	Assistant Professor		
	Responsibilities	Scientific research, Education, Projects		

14	Publications (10 principal)
	<ul style="list-style-type: none"> • Biwolé A.B., K. Dainou, A. Fayolle, O.J. Hardy, Y. Brostaux, S. Coste, S. Delion, J.L. Betti, J.-L. Doucet. 2015. Light Response of Seedlings of a Central African Timber Tree Species, <i>Lophira alata</i> (Ochnaceae), and the Definition of Light Requirements. <i>Biotropica</i>. 47:681-688. • Coste S., J.-C. Roggy, H. Schimann, D. Epron and E. Dreyer. 2011. A cost-benefit analysis of acclimation to low irradiance in tropical rainforest trees seedlings: leaf-life span and payback time for leaf deployment. <i>Journal of Experimental Botany</i>. 62:3941-3955. • Coste S., J.-C. Roggy, G. Sonnier and E. Dreyer. 2010. Similar irradiance-elicited plasticity of leaf traits in saplings of 12 tropical rainforest tree species with highly different leaf mass to area ratio. <i>Functional Plant Biology</i> 37:342-355. • Coste S., C. Baraloto, C. Leroy, E. Marcon, A. Renaud, A. Richardson, H. Schimann, J.-C. Roggy, J. Uddling and B. Hérault. 2010. Assessing foliar chlorophyll contents with the SPAD-502 chlorophyll meter: a calibration test with thirteen tree species of tropical rainforest in French Guiana. <i>Annals of Forest Science</i> 64. 607. • Coste S., J.-C. Roggy, L. Garraud, P. Heuret, E. Nicolini and E. Dreyer. 2009. Does ontogeny modulate irradiance-elicited plasticity of leaf traits in saplings of rain-forest tree species? A test with <i>Dicorynia guianensis</i> and <i>Tachigali melinonii</i> (Fabaceae, Caesalpinioideae). <i>Annals of Forest Science</i> 66. 709. • Bonal D., C. Born, C. Brechet, S. Coste, E. Marcon, J.-C. Roggy and J.-M. Guehl. 2007. The successional status of tropical rainforest tree species is associated with differences in leaf carbon isotope discrimination and functional traits. <i>Annals of Forest Science</i> 64: 169–176. • Coste S., J.-C. Roggy, P. Imbert, C. Born, D. Bonal and E. Dreyer. 2005. Leaf photosynthetic traits of 14 tropical rain forest species in relation to leaf nitrogen concentration and shade tolerance. <i>Tree Physiology</i> 25(9): 1127-1137. • Cochard H., S. Coste, B. Chanson, J.M. Guehl and E. Nicolini. 2005. Hydraulic architecture correlates with bud organogenesis and primary shoot growth in beech (<i>Fagus sylvatica</i>). <i>Tree Physiology</i> 25(12): 1545-1552.
15	Number of conference presentations (between brackets invited contributions)
	9