

CURRICULUM VITAE

**Erika Maass**

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**Education**

PhD University of Stellenbosch, Plant Physiology, 1999  
MSc University of Stellenbosch, Plant Physiology, (cum laude) 1984  
BSc University of Stellenbosch (Honns), Plant Physiology, (cum laude) 1983  
BSc University of Stellenbosch, Botany & Zoology, (cum laude) 1981

**Experience**

Jan 2008 - present Director: Teaching and Learning Improvement Unit  
Jan 2005 – Dec 2007 Director: Information and Learning Improvement Centre  
Jan 2001 - Dec 2004 Coordinator: Student Learning & Development  
Jan 1994 - Dec 1997 Dean: Faculty of Science  
Jan 1990 - Dec 1993 Head of Department: Botany  
Jan 1992 - Dec 1992 Deputy Dean: Faculty of Science

**Publications**

- Bolin, Jay F., **Erika Maass**, Kushan U. Tennakoon & Lytton J. Musselman (submitted to Botany). Host specific germination of the root holoparasite *Hydnora triceps* Drège & Meyer (Hydnoraceae)
- Bolin, Jay F., Kushan U. Tennakoon & **Erika Maass** (submitted to Annals of Botany). Mineral nutrition and heterothophy in the water conservative holoparasite *Hydnora* Thunb, (Hydnoraceae)
- Seymour, Roger S., **Erika Maass** & Jay F. Bolin (2009). Floral thermogenesis of three species of *Hydnora* (Hydnoraceae) in Africa. *Annals of Botany* Available online at [www.aob.oxfordjournals.org](http://www.aob.oxfordjournals.org)
- Bolin, Jay F., **Erika Maass** & Lytton J. Musselman (2009). Pollination Biology of *Hydnora africana* Thunb. (Hydnoraceae) in Namibia: Brood-site mimicry with insect imprisonment. *International Journal of Plant Science* **170**: 157-163
- Klaassen, E.S., E. G. Kwembeya & **E. Maass** (2009). A taxonomic revision of the genus *Pentatrachia* (Asteraceae). *South African Journal of Botany* **75**: 153:164
- Chimwamurombe, P.M., **E. Maass** & J. Sheehama (2007). Molecular identification of a fungus associated with the holoparasitic angiosperm *Hydnora abyssinica* in Namibia. *Journal of Pure and Applied Microbiology* **1**: 153-156

- Tennakoon, K.U., J.F. Bolin, L.J. Musselman & **E. Maass** (2007). Structural attributions of the hypogeous holoparasitic *Hydnora triceps* Drege & Meyer (Hydnoraceae). *American Journal of Botany* **94**: 1439-1449
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- Maass, E.** & L.J. Musselman (2001). Parasitic Plants Pummel Pavement - *Hydnora abyssinica* (Hydnoraceae) *Economic Botany* **55**(1): 7-8
- Maass, Erika, Jay, F. Bolin & Roger S. Seymour** (2009). Pollination Biology of the genus *Hydnora* (Hydnoraceae). In: Rubiales, D., J. Westwood & A. Uludag (eds) Proceedings of the 10<sup>th</sup> World Congress of Parasitic Plants p43
- Bolin, Jay. F., Tim J. Motley, **Erika Maass** & Lytton J. Musselman (2009). Molecular and phylogenetic relationships and a revised taxonomy of the holoparasitic family Hydnoraceae. In: Rubiales, D., J. Westwood & A. Uludag (eds) Proceedings of the 10<sup>th</sup> World Congress of Parasitic Plants p19
- Bolin, J.F., K.U. Tennakoon & **E. Maass** (2006a). Germination and seedling development of the highly modified root holoparasite *Hydnora triceps*. Botany 2006 Conference, Annual meeting of the Botanical Society of America, Chico, USA
- Bolin, J.F., L.J. Musselman & **E. Maass** (2006b). The generalist pollination syndrome of the root holoparasite *Hydnora Africana* and a test of a selective insect trapping mechanism. Botany 2006 Conference, Annual meeting of the Botanical Society of America, Chico, USA
- Bolin, J.F., **E. Maass**, L.J. Musselman & K.U. Tennakoon (2005). Floral biology of three Namibian *Hydnora* (Hydnoraceae). Botany 2005 Conference, Annual meeting of the Botanical Society of America, Texas, USA
- Maass, E.**, L.J. Musselman & S. Boles (2004). *Hydnora* – The ingenious genus. Botany 2004 Conference, Annual meeting of the Botanical Society of America, Snowbird, Utah, USA
- Maass E.** (2000). Spontaneous germination in *Striga*. In: Fer, A., P. Thalouarn, D.M. Joel, L.J. Musselman, C. Parker & J.A.C. Verkleij (eds) Proc. 7<sup>th</sup>. Int. Sym. Parasitic Plants, Nantes, France p.102
- Nel Erika** (1984). A re-evaluation of the germination requirements of *Alectra vogelii* Benth. SAAB (South African Association of Botanists) Annual Conference, Potchefstroom, South Africa
- Maass, Erika** (1999). A comparative study of the germination requirements of some economically important *Striga* species. PhD Thesis; University of Stellenbosch
- Nel, Erika** (1984). A re-evaluation of the germination requirements of *Alectra vogelii* Benth. MSc. Thesis (in Afrikaans); University of Stellenbosch