

## VITA

**Full Name:** Wilhelmina Alison Forster

**Present Position:** Plant Protection Chemistry, Forest Technology Division

**Present Employer:** NZ Forest Research Institute Ltd

**Present Work Address:** Private Bag 3020, Rotorua

**Academic qualifications:**

BSc (Chemistry), Waikato University, New Zealand 1989

MSc (Forestry), Virginia Polytechnic Institute & State University, USA 199?

**Years as a practising researcher:** 8 years

**Professional positions held:**

<i>1992-present</i>	NZ Forest Research Institute Ltd, Rotorua
<i>1990-1991</i>	Technician, Ministry of Forestry, Forest Research Institute, Rotorua
<i>1986-1989</i>	Waikato University, BSc studies
<i>1986-1987</i>	Three months undergraduate employment. Pine Chemicals NZ Ltd, Mount Maunganui, Laboratory Technician

**Number of Journal Articles:** 11

**Publications**

Stevens, P.J.G.; Forster, W.A.; Murphy, D.S.; Policello, G.A.; Murphy, G.J. (1992): Surfactants and physical factors affecting adhesion of spray droplets on leaf surfaces. Proc. Southern Weed Science Soc., 354-358

Policello, G.A.; Murphy, G.J.; Stevens, P.J.G. and Forster, W.A. (1993): Dynamic surface tension effects on spray droplet adhesion of organosilicones. Proc. Brighton Crop Protection Conference, Weeds, 1325-1330

Zabkiewicz, J.A.; Stevens, P.J.G.; Forster, W.A. and Steele, K.D. (1993): Foliar uptake of organosilicone surfactant oligomers into bean leaf in the presence and absence of glyphosate. *Pestic. Sci.*, 38, 135-143

Policello, G.A.; Stevens, P.J.G.; Forster, W.A. and Murphy, G.J. (1994): The influence of pH on the performance of organosilicone surfactants. *In: Pesticide Formulations and Application Systems*: Hall, F.R., Berger, P.D. and Collins, H.M. (Eds). ASTM STP 1234, Amer-Soc for Testing and Materials, 14th Volume, Philadelphia, 313-317

Forster, W.A.; Zabkiewicz, J.A. (1994): Effect of an organosilicone surfactant on spray drop adhesion and retention by pea (*Pisum sativum*) leaf surfaces. Proceedings of the forty seventh New Zealand plant protection conference, 387-391

Zabkiewicz, J.A.; Forster, W.A.; Steele, K.D and Liu, Z.Q. (1995): Comparison of uptake into field bean (*Vicia faba*) and Wheat (*Triticum Aestivum*) of organosilicone and non-silicone surfactants. Proceedings of the Fourth International Symposium on Adjuvants for Agrochemicals, 219-224

Forster, W.A.; Steele, K.D and Zabkiewicz, J.A. (1995): High performance liquid chromatographic analysis of nonionic surfactants for foliar uptake studies. Proceedings of the Fourth International Symposium on Adjuvants for Agrochemicals, 266-271

Zabkiewicz, J.A.; Gaskin, R.E.; Forster, W.A.; Liu, Z.Q. (1996): In vivo surfactant uptake into plant leaves - mechanism and structure interactions. *J. Exp. Botany*, 47-51

Policello, G.A.; Stevens, P.G.; Forster, W.A.; Gaskin, R.E. (1996): The influence of cosurfactant and role of spreading in stomatal infiltration by organosilicone. *In: Pesticide Formulations and Application Systems: 15th Volume*, ASTM STP 1268, Herbert M. Collins, Franklin R. Hall and Michael Hopkinson, (Eds), American Society for Testing and Materials. Pp 59-66

Forster, W.A.; Zedaker S.M. and Zabkiewicz, J.A. (1997): Adhesion and retention of triclopyr-organosilicone surfactant mixes to forest weeds. *Proceedings Southern Weed Science Society* 123

Forster, W.A.; Zabkiewicz, J.A.; Murray, R.S. and Zedaker S.M., (1997): Contact phytotoxicity of triclopyr formulations on three plant species in relation to their uptake and translocation. *Proc. 50th Plant Protection Soc. Conf.* 125-128