

Dr Noeleen Smyth

National Botanic Gardens, Glasnevin, Dublin 9

Telephone: +353 1 8040327

e-mail: noeleen.smyth@opw.ie



Noeleen Smyth holds an Honours Degree in Botany and a Diploma in Statistics from Trinity College Dublin, a Diploma in Amenity Horticulture from the National Botanic Gardens Glasnevin and a Diploma in Horticulture from the Royal Horticultural Society. She has completed a Ph.D. at Trinity College Dublin on invasive species control and restoration of the threatened native flora of Pitcairn Island in the South Pacific. Before working with the National Botanic Gardens she worked with the National Parks and Wildlife Service, BEC Consultants, and Natura Environmental Consultants and as a Horticulturalist both at the National Botanic Gardens and Talbot Botanic Garden, Malahide Castle. She has also carried out botanical research in Uganda, Guyana and Pitcairn Island and participated on plant expeditions to Belize, Bhutan, China and Jordan.

Research Interests

- Conservation biology of Pitcairn Island South Central Pacific
- Invasive species control development of practical and economical methodology
- Research into developing alternative species to the invasive species currently available in the trade
- Ferns and fern allied species conservation in Ireland
- Bryophyte conservation Ireland

Qualifications

2008 PhD. *Syzygium jambos* (L). Alston (Myrtaceae) control, and conservation restoration and monitoring, of the threatened native flora of Pitcairn Island, South Central Pacific. University of Dublin, Trinity College, Dublin 2.
2004 Dip. Stats. University of Dublin, Trinity College, Dublin 2.
2002 B.A. Mod. Botany University of Dublin, Trinity College, Dublin 2
1993 Dip. Hort. Royal Horticultural Society, Wisley, Woking, Surrey, GU23 6QB
1991 Dip. Amenity Hort. Teagasc, National Botanic Gardens, Glasnevin, Dublin 9.

Publications

Campbell, C., Kelly, D.L., Smyth, N., Lockhart, N. and Holyoak, D.T., 2016. Genetic variation in the Red-Listed moss *Ditrichum cornubicum* Paton (Ditrichaceae) and implications for its conservation. *Journal of Bryology*, pp.1-11.

Smyth, N., Nienhuis, C., Muldoon, C, & Lynn, D. (2015) Conservation assessment and monitoring methods for the Annex V Clubmoss group (*Lycopodium* spp.) in Ireland. *Irish Wildlife Manual s*, No. 86. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Ní Dhúill, E., Smyth, N., Waldren, S. & Lynn, D. (2015) Monitoring methods for the Killarney Fern (*Trichomanes speciosum* Willd.) in Ireland. *Irish Wildlife Manuals*, No. 82 . National Parks and Wildlife Service, Department of Arts , Heritage and the Gaeltacht , Ireland.

Smyth, N. (2013) Control of Hottentot Fig (*Carpobrotus edulis*) on Howth Head, Dublin. in van Ham, C., Genovesi, P., Scalera, R. (2013). *Invasive alien species: the urban dimension, Case studies on strengthening local action in Europe*. Brussels, Belgium: IUCN European Union Representative Office p. 57.

Smyth, N. (2013) Global and National Strategies Plant Conservation and their implications for Public, Private and Botanic Gardens. *Moorea. The Journal of the Irish Garden Plant Society*. Vol 16. p29.

Smyth, N., Armstrong, C., Jebb M. and Booth, A. (2013) Implementing target 10 of the Global Strategy for Plant Conservation at the National Botanic Gardens of Ireland: Managing two invasive non-native species for plant diversity in Ireland. *Sibbaldia* 11: 125-141.

Smyth,N. 2011. Are you selling aliens? Pp: 10-11. *Growtrade Magazine- serving Ireland's Horticulture Industry*. July 2011. Pilot Issue.

Moorhead,A. & Smyth,N. 2011. Pitcairn Islands. *Forests of the Pacific Islands-Foundations for a sustainable future*. Pp.122-126. Secretariat of the Pacific Community. ISBN: 978-982-00-0488-7.

Smyth,N., Waldren,S. & Kingston, N. 2010. *Abutilon pitcairnense*.Malvaceae. *Plant in Peril*, 35. *Curtis's Botanical Magazine* Vol. 27.Part 4.

Smyth, N. 2010. Plant conservation-Invasive species control and forest restoration on Pitcairn Island, South Central Pacific. Lambert Academic Publishing. ISBN: 978-3-8383-3556-8

Kingston, N., & Smyth, N. 2009. Pitcairn. In Encyclopedia of Islands edited by R.G. Gillespie & D.A. Clague. Pp.744-747. University of California Press. ISBN 978-0-520-25649-1.

Waldren, S., Kingston, N., Smyth, N., Warren, J. & Warren, C. 2005. Integrated plant conservation on Pitcairn Island, South Central Pacific Ocean. Journal of Botanic Gardens Conservation International. Special Biodiversity Issue 2(1): 22-24.

Kingston, N., Waldren, W. & Smyth, N. 2004. Conservation genetics and ecology of *Angiopteris chauiodonta* (Marratiaceae), a critically endangered fern from Pitcairn Island, South central Pacific. Biological Conservation 117: 309-319.

Waldren, S., Kingston, N., Smyth, N., Warren, J. & Warren, C. 2004. Plant conservation activities on Pitcairn Island. Flora English Nature. Summer 2004:14-15.

Career

2008 Conservation Botanist, National Botanic Gardens, Glasnevin, Dublin 9.

2006-2007 Wildlife Officer, National Parks and Wildlife Service, Ely Place, Dublin 2.

2004–2006 Ecological Consultant, Botanical, Environmental & Conservation Consultants, 27 Upper Fitzwilliam Street, Dublin 2.

2002-2004 Postgraduate Research Student, Botany Department, Trinity College, Dublin 2.

2002 Ecological Consultant Natura Environmental consultants, Broomhall Business Park, Rathnew, Co. Wicklow.

1998-2002 B. A. Mod. Botany Student

1994-1998 Horticulturalist, National Botanic Gardens, Glasnevin, Dublin 9.

1991-1994 Horticulturalist, Talbot Botanic Gardens, Malahide Castle, Malahide, Co. Dublin.

Awards

2001 Edge Prize Botany Department Trinity College Dublin

1991 Royal Dublin Society Award Horticultural Student of the Year

1990 Dublin Co. Council Award Horticultural Student of the Year

1990 Dublin Corporation Award Horticultural Student of the Year

Grants

2011 Mayo Co. Council. Pilot control methods and survey of *Gunnera tinctoria* on Claire Island Cliffs, Co. Mayo.

2011 Heritage Council. Grant M01247. Control of invasive Hottentot fig (*Carpobrotus edulis*) in the Republic of Ireland.

2010 Heritage Council. Grant M00316. Control of Hottentot fig (*Carpobrotus edulis*) on Howth Head, Co. Dublin.

2009 Mohammed bin Zayed Species Conservation Fund. Project 0925702. Yellow Fatu (*Abutilon pitcairnense*).

2008 Environment, Heritage & Local Government CSM22/09. Conservation and monitoring of rare and threatened bryophyte species in Ireland.

2008 Environment, Heritage & Local Government CSM22/08. Conservation and monitoring of Killarney Fern and other legally protected Fern Allies in Ireland.

2009 UK Overseas Territories Pitcairn representative at the Cayman Island UKOT conference "Making the right connections".

2008 Royal Horticultural Society (RHS) Travel Bursary to participate on an expedition to remote areas of Bhutan, Central Himalayas.

2002 Irish Research Council for Science, Engineering and Technology (IRCSET) Postgraduate PhD. Funding Award.

2002 Royal Horticultural Society Travel Grant to participate on Glasnevin Central China Expedition

2001 Royal Horticultural Society Travel Grant to participate on Tropical Biology Association Course in Uganda, Africa.

2001 Merlin Trust Travel Award Travel Grant for expedition to Guyana, South America.

1995-2000 Merlin Trust and Royal Horticultural Society Travel Grants for plant collecting expeditions to Belize, Central America.