



CURRICULUM VITAE

Edwina E. Cole B.A. (mod.), Dip. Stat., Ph.D.

EDUCATION

2000 **Ph.D.** School of Botany, Trinity College, Dublin 2
Multi-Proxy Evidence from Bogs for Environmental Change in Ireland over the last 1,200 years. A high resolution study that investigated both climate and anthropogenic impacts at three sites across Ireland using various palaeoecological techniques.

1997 **Dip. Stat.** Department of Statistics, Trinity College, Dublin 2
Advanced number management skills including parametric and non-parametric statistics.

1995 **B.A. (mod.)** School of Natural Sciences, Trinity College, Dublin 2
Research Project: A study of the dynamics of *Querceto-Carpinetum* communities following natural disturbance in Bialowieza Forest, Eastern Poland. First Class Honour obtained.

1991 **Leaving Certificate** Cross & Passion College, Kilcullen, Co. Kildare
6 Honours and 1 Pass, all at higher level.

CAREER HISTORY

Digitisation of biological records into Recorder 6, NPWS Nov 2007-present
Main duties include digitising various records held by NPWS into Recorder 6.

Field Ecologist, BEC Consultants Aug 2003–Oct 2003; Jul 2004–Oct 2004; May 2005–Oct 2005; May 2006–Oct 2006; May 2007–Oct 2007
Survey work on the Irish National Native Woodland Survey. Duties included arranging access for surveys with landowners, field surveys of selected woodland sites, collection of samples for further analysis and data entry.

Digitisation of scarce plant and rare bryophyte data into Recorder 6, NPWS Nov 2006–Jul 2007
Outputs included a Recorder 6 database populated with data and a report detailing the methods used and summary statistics on the entered records.

Drafting of Species Action Plan for the Killarney Fern (*Trichomanes speciosum* Willd.), NPWS Nov 2005–Dec 2005
Main duties included working closely with experts in NPWS and EHS drafting the SAP with reference to relevant literature.

Wildlife Inspector Grade III, NPWS Dec 2004–Apr 2005
(Maternity Cover) Responsible for data management, website content and botanical information within NPWS. Main duties included rare plant queries, initial assessment and preparation of responses to Section 21 licence applications, digital database queries, population of Recorder with datasets and servicing the NPWS website.

Data Collection for the National Platform for Biodiversity Research, BEC Consultants Oct–Nov 2004
Main duties included the collection, analysis and presentation of biodiversity data from both members of the Platform and other scientists working in biodiversity research areas.

Publication and Report Data Entry, NPWS Apr–Jun 2004
Main task included the compilation of publications and reports, both produced and held by research and regional staff, into a searchable bibliographic tool that facilitates easier access to the literature held by NPWS.

Post-Doctoral Research Fellow, School of Botany, Trinity College Dec 2000–Dec 2002
Research Project: Quantification of Irish Holocene climate change from high altitude lake sites. In conjunction with the EU funded Irish Palaeoecological Data Synthesis and Analysis Project (IPAL).

SKILLS & ADDITIONAL INFORMATION

- Experienced in field work involving field descriptions, plant identification, map reading and coring of sites for palaeoecological investigations
- Experienced in laboratory analyses including pollen and fungal spore analyses, pH, tephrochronology, loss on ignition, macro- and micro-charcoal analyses and the preparation of samples for ^{210}Pb and ^{14}C dating
- Competent in the use of scanning electron microscopes, stereo- and compound microscopes and microscopic photography
- Computer literate with excellent working knowledge of the Internet, e-mail, word processing (WORD), spreadsheet (EXCEL), database (Access, Recorder), presentation (Powerpoint), statistical (Datadesk), bibliographic (EndNote) and palaeoecological (TILIA) packages
- Experienced in writing of articles, progress reports and research proposals
- Competent in data entry, analysis and presentation
- Excellent interpersonal and communication skills
- Experienced in administration and maintaining accounts
- Full clean driving licence
- Awarded both Junior and Senior Edge prizes in Botany (1994 & 1995 respectively)
- Member of the Irish Association for Quaternary Studies (IQUA), Irish Seedsavers Association, and the Quaternary Research Association (QRA)

PUBLICATIONS

Leira, M., **Cole, E.E.** & Mitchell, F.J.G. (2007) Peat erosion and atmospheric deposition impacts on an oligotrophic lake in eastern Ireland. *Journal of Paleolimnology* **38**: 49-71

Cole, E.E. (ed.) (2004) *Reports, Publications & Theses both produced & held by the National Parks & Wildlife Service, 2004*. Unpublished Report produced for the National Parks & Wildlife Service, Dublin

Cole, E.E. & Mitchell, F.J.G. (2003) Human impact on the Irish landscape during the late Holocene inferred from palynological studies at three peatland sites. *The Holocene* **13** (4) 507-515

Leira, M., **Cole, E.** & Mitchell, F. (2002) History of a presently acidic lake in eastern Ireland (Kelly's Lough, Co. Wicklow) determined through analysis of the sedimentary record. *Irish Association for Quaternary Studies Newsletter* **28**: 6

Cole, E. (2001) Irish Palaeoecological Data Synthesis and Analysis Project (IPAL). *Irish Association for Quaternary Studies Newsletter* **27**: 5-6

Cole, E. (2000) What's been happening in Wicklow lately? *Irish Association for Quaternary Studies Newsletter* **24**: 8-9

Mitchell, F.J.G., von Englebrechten, S., Dwyer, R. & **Cole, E.** (1998) Investigation of the within-site spatial variation of peat humification. In *Past Global Changes and their significance for the Future*. PAGES Open Science Meeting. PAGES, p96

Mitchell, F.J.G. & **Cole, E.** (1998) Reconstruction of long-term successional dynamics of temperate woodland in Bialowieza Forest, Poland. *Journal of Ecology* **86**: 1042-1059