

## CURRICULUM VITAE

**DR. SHAUN RUSSELL**

**Director, Wales Environment Research Hub  
Associate Adviser (Environment), British Council  
Adjunct Professor of Natural Resources, Universidad de Magallanes, Punta Arenas,  
Chile**

**Skills and experience:** training and research in environmental science, biodiversity conservation, protected area management, environmental impact assessment; sustainable tourism; sustainable development.

**Born:** 21<sup>st</sup> August, 1951, Hitchin,  
Hertfordshire, England.

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**Qualifications:**

B.Sc. Hons. Botany/Geology (London).  
M.Sc. Plant Taxonomy (Reading).  
Ph.D. Plant Ecology (Rhodes).  
Certificate in Environmental Impact  
Assessment (Univ. Cape Town).

**Employment Career:**

**2007-** Director, Wales Environment Research Hub, Bangor, UK.  
**2003 – 2007** Deputy Director, CAZS Natural Resources, University of Wales, Bangor.  
**1997 – 2007** Director (Programmes), International Centre for Protected Landscapes, Aberystwyth  
**1994-1997** - Darwin Research Fellow, Durrell Institute of Conservation and Ecology, University of Kent at Canterbury.  
**1992-1994** - Environment Adviser (Biological Sciences, Forestry, Fisheries and Food Science), British Council, Manchester. Associate Adviser (Environment) 1994 – present.  
**1991-1992** - Research Scientist, Life Sciences Division, British Antarctic Survey, Cambridge (Curator of the Antarctic Plant, Invertebrate and Microorganism collections and Manager of the Antarctic Plant Database).  
**1989-1991**- Senior Lecturer (Head of Dept.) Botany Department and Dean of the Science Faculty, University of Namibia, Windhoek, Namibia.  
**1987-1989** - CSIR Research Officer/Lecturer, Plant Sciences Department, Rhodes University, South Africa.  
**1975-1986** – Lecturer/Senior Lecturer, Botany Dept, Fort Hare University, South Africa.  
**1974-1975** - Technician, South West Water Authority, Exeter, Devon.

**Referees:**

Prof Gareth Wyn Jones, Gwyndy, Upper Garth Road, Bangor, Gwynedd LL57 2SR. Tel 01248 364289. E-mail: gwj@pioden.net

Prof Ian R Swingland, Herons Hall, Nash, Kent CT3 2JX. Tel 01304 812404/812099, Mobile 07971 669915. E-mail: ian@herons-hall.co.uk

Prof Geoffrey E Duckett, Dept of Biological and Chemical Sciences, Queen Mary, University of London, Mile End Rd, London E1 4NS. Tel 0207 882 3294. E-mail: g.e.duckett@qmul.ac.uk

### S. Russell - Chronology of research and related activities

- 1974 Co-leader, Reading University Botanical Expedition to Morocco.
- 1975 Biological Survey of the Sehlabathebe National Park, Drakensberg Mountains, Lesotho.
- 1976 Investigation of distribution and taxonomy of Ectotropis alpina (Aizoaceae), endemic to the Eastern Cape mountains. Attendance, South African Association of Botanists (SAAB) Conference, Univ. Cape Town.
- 1977 Investigation of the ultrastructure of the Gunnera/Nostoc symbiosis. Attendance SAAB Conference, Durban. Participant, first course in "Methodology for Studies in Ecosystem Functioning", African Savanna Ecosystem Project, Nylsvley, Transvaal.
- 1978 Botanical and microenvironmental studies in the afro-montane forests of the Eastern Cape. Presented paper, SAAB Conference, Bloemfontein. Presented paper, Transkei/Ciskei Research Society Conference, Umtata, Transkei.
- 1979 Botanical survey, Knysna Forests. Presented paper, SAAB Conference, Stellenbosch. Attended Pteridology course at Univ. Cape Town.
- 1980 Conducted nine month's research into floristics and vegetation ecology for ecosystem study at Marion Island, sub-Antarctic.
- 1981 Conducted research into temperate evergreen forest ecology with Prof GAM Scott (Monash Univ.), in Victoria and Tasmania, Australia, during five months study leave. Collected forest flora in Australia, New Zealand, Indonesia (Bali/Lombok), and Fiji (collaborative project, Univ. South Pacific). Presented paper at 13th International Botanical Congress, Sydney, Australia.
- 1982 Second visit to Marion Island (cryptogam ecology) and led expedition to Prince Edward Island (sub-Antarctic). Floristic and ecological studies in the Alexandria Forest, Eastern Cape, South Africa.
- 1983 Two months study leave in Japan, presented paper at 1st World Conference of Bryology, Tokyo, and researched Asian bryogeography at Hattori Botanical Laboratory, Kyushu. Made botanical collections in Japan, Thailand, Burma, Singapore, Indonesia, Hong Kong and South China. Attended Symposium on Terrestrial Ecology of the Southern Cape, Saasveld Forestry Research Centre, George, Cape Province. Presented paper at Eastern Cape Environmental Symposium, Rhodes University, Grahamstown. Presented paper at 4th, Scientific Committee on Antarctic Research Conference, Wilderness, South Africa.
- 1984 Taxonomic and ecological studies on the flora of South West Africa/Namibia, based at Desert Ecological Research Unit, Gobabeb, Namibia.
- 1985 Presented paper at South African Society for Quaternary Research Conference, Stellenbosch. Presented two papers at Association for the Taxonomic Study of the Flora of Tropical Africa (AETFAT) Conference, St Louis, Missouri, USA. Presented paper at the International Association of Bryologists (IAB) Conference, Budapest, Hungary. Presented paper at CSIR

- Forest Biome Project workshop, Mtunzini, Zululand. Conducted site-factor study for Leucaena agroforestry project, Ntumbini, Transkei.
- 1986 Participant, International Association of Lichenologists southern Africa foray. Botanical collecting, N. Transvaal, Swaziland, Lesotho. Attendance SAAB Conference, Umtata, Transkei. Organiser, CSIR Forest Biome Project Conference, Hogsback, Eastern Cape. Commenced reviewing papers for S.A.J.Bot. Project proposal evaluator, CSIR ecosystem programmes.
- 1987 Contributed to environmental impact assessment for emergency landing strip at Marion Island, sub-Antarctic. Conducted techniques training workshop in field plant photosynthetic measurement and chaired session at International Botanical Congress meeting, Univ. Mainz, W. Germany. Botanical collecting, Reunion and Mauritius, Indian Ocean. Six months study leave in Biological Sciences Dept, Michigan Technological University. Guest lecturing and collaboration on project: "Acid rain impacts at Lake Superior mire sites".
- 1988 Field work in Iceland for study of volcanic steam vent vegetation (project funded by National Geographic Society). Presented paper on tundra productivity and decomposition at British Ecological Society/British Bryological Society joint symposium on Bryophyte Ecology, Edinburgh University. Botanical expedition to Drakensberg mountain range with RM Schuster (U. Mass. Amherst). Associate editor of book: "Methods in Bryology" pp.403. Hattori Bot. Lab., Nichinan, Japan.
- 1989 Trainee: "Practical Techniques in Environmental Impact Assessment" (Environmental Evaluation Unit, University of Cape Town); recipient of course prize for best prepared and presented EIA (of harbour development on Namibian west coast). Study tour to Universities of Zambia and Malawi for Univ. Namibia curriculum restructuring project. Botanical collecting: Caprivi Strip; South and East Zambia; Mt Mlanje, Zomba Plateau and Misuku Hills, Malawi. Prepared guideline document on environmental policy for South West Africa People's Organisation (substantially adopted as policy by Namibian government in 1990, with clauses later included in Namibian National Constitution).
- 1990 Organised meeting and presented paper at university workshop to establish a Natural Resources Research Institute and National Geographical Information System in Namibia. Collecting expedition to afro-montane forests in the Eastern Highlands of Zimbabwe (January). Presented paper and chaired working groups at African Biosciences Network Conference "The Status of Plant Science Teaching and Research in Southern Africa", Maputo, Mozambique (February). Field excursion and botanical collecting, Inhaca Island, Mozambique. Commenced major research project with Dept. of Water Affairs, on whole vegetation photosynthetic activity and water use in an arid zone riverine system (April). Drew together a research team to survey the marine algal resources of Namibia, with Norwegian Government funding).
- 1991 Presented paper at 13th AETFAT Congress, University of Malawi, Zomba (April). Led ten-member team on Tropical Botanical Expedition, to Mt. Mulanje, Malawi. Session leader, Scandinavian Development Aid Workshop on Environmental Concerns in Namibia, Desert Ecological Research Station, Gobabeb, Namibia. Presented keynote address at 14th Antarctic Biology Symposium, National Institute for Polar Research, Tokyo, Japan (December). Presented paper at British Bryological Society annual paper reading meeting, University of Sheffield, September 1991.

- 1992 Guest lecturer, Plant Sciences Department, University of Cambridge, March 1992. Southern Africa Environmental Advisory Mission for British Council, to investigate institutional strengthening needs in Tanzania, Malawi, Zambia, Zimbabwe, South Africa, Lesotho and Namibia, November-December.
- 1993 Guest lecturer, Universities of Bangor, Bradford, Reading, York and Edgehill College. Guest speaker, Protected Landscapes course, Snowdonia National Park Field Studies Centre, Plas Tan y Bwlch. Member, steering committee, M.Sc. Environmental Management of Protected Landscapes. Univ Wales, Aberystwyth; validation committee, M.Sc Environmental Management for Developing Countries, University of Northumbria. Member, academic advisory committee (specialist courses), Oxford Forestry Institute, Oxford University. Member, Royal Geographical Society, Expeditions and Research Committee. Climate Change Conference planning mission - Zimbabwe.
- 1994 Convenor and Organiser: International Conference on Climate and Survival in Southern Africa. British Council, Victoria Falls, Zimbabwe, February 1994. Grant referee, Leverhulme Trust. Science Director (GIS and Habitat Mapping) Mkomazi Ecological Research Programme, Tanzania (Royal Geographical Society/Oxford University). Tour leader "Temple World" ecotourism safaris, South Luangwa National Park, Zambia and Liwonde National Park, Malawi. Consultant, ODA Sustainable Tourism Research Programme, Zimbabwe July 1994. Observer, 9th Conference of the Parties, CITES, November 1994, Fort Lauderdale, Florida. Project Leader: "Enhancement of Elephant Range in Africa Through Trans-frontier Conservation Initiatives" (RSPCA).
- 1995 Associate Editor for biodiversity texts, Chapman & Hall Publishers. Presented papers on GIS and habitat mapping in London, Southampton and at National Parks Workshop - Same (Tanzania). Research and Conservation Committee Member, Raleigh International. Advisory mission - Ministry of Environment and Tourism, National Parks and Wildlife Service, Zambia - Cross-border Elephant Translocation Project. Workshop convener - "Taking Local Agenda 21 Forward in Kent", University of Kent. Assistant Editor of the journal: "Biodiversity & Conservation".
- 1996 Leader - briefing seminar on "Tourism and Environment" for Minister of Tourism, Permanent Secretary and Director of National Parks Service, Zambia. University of Kent 3-4 Feb. Workshop organiser - Sustainable Tourism and Biodiversity Management, Komodo, Indonesia (March). Consultant (UK Foreign and Commonwealth Office) environmental advisory mission to the Government of Peru (April). Project Leader - field work for vegetation survey in relation to human impacts at the Mkomazi Game Reserve, Tanzania (May). Training workshop leader, College of African Wildlife Management, Tanzania (May). British Council National Parks liaison mission, Lisbon, Portugal (June).
- 1997 Tutor, ICPL MSc in Protected Landscape Management (full-time and distance learning).
- 1998 Training advisory mission (British Council link visit) Moi University, Eldoret, Kenya. Kenya Wildlife Service Training Institute, Naivasha and College of African Wildlife Management, Mweka, Tanzania. Tropical Research Advisory Committee Member, FRONTIER (Society for Environmental Exploration). Guest Lecturer, University of Wales: Bangor and University of Aberdeen. Convener, National Science and Technology (White Paper) Conference, Windhoek, Namibia. Co-Director - Staff Training Course in Environmental Impact Assessment - College of African Wildlife Management, Mweka Tanzania (EU-SADC Wildlife Management Training Programme).

- 1999 Strategic Planning Adviser, EU-SADC Wildlife Management Training Programme liaison mission to Tanzania, Kenya, Uganda, South Africa, Mozambique, Botswana, Zambia, Zimbabwe and Malawi (March); Programme evaluation consultant, EU-ADAPT “Visions for Change” innovation training programme, Centre for Learning Development and Training, Bangor University. Course presenter - “Measuring Training Impact”, Prince of Wales Business Leaders Forum, Trigonos Centre, North Wales. Secured £128 000 “Darwin Initiative” grant from UK-DETR to establish conservation training centres at University of the South Pacific campuses in Fiji and Samoa, South Pacific. British Council link mission, Moi University, Kenya. Study tour leader (Snowdonia) for staff of Sagarmatha (Mt Everest) National Park, Nepal. Study tour leader (Snowdonia) for Parks staff, Hong Kong Department of Agriculture and Fisheries.
- 2000 Course contributor: National Parks Staff Induction Course, Plas Tan-y-Bwlch, Snowdonia (April). Curriculum Development Consultant, SADC-EU Wildlife Management Training Programme, CAWM Mweka, Tanzania (May). Research consultation meeting (problem animal control) Knysna, and field visits to Mountain Zebra National Park and Shamwari Game Reserve, Eastern Cape, South Africa (August).
- 2001 Course leader: “Sustainable Tourism” (15 hour module of MSc in “Ecotourism” at National Agrarian University, Lima, Peru. Jan/Feb). Production of training materials and lecturing on seven-week programme: “Pacific Islands Community-based Conservation Training Course” (UK and NZ Government aid-funded), University of the South Pacific, Suva, Fiji (Feb/March). Presenter: Field Study Programme in Sustainable Tourism (Croatian economic regeneration project), Prince of Wales Business Leader’s Forum, Snowdonia, April 2001). Course leader: “Introduction to Environmental Impact Assessment” - 2½ week module of 8-week training course in “Environmental Analysis” for Indian Forest Service officers (FAO/British Council).
- 2002 Environmental Impact Assessment and Evaluation. 12-day training course for staff of the Eritrean Development Bank. Centre for Arid Zone Studies, Bangor (February). Environmental Impact Assessment. 12-day training course for staff of the Ministry of Environment and Forestry, India, Centre for Arid Zone Studies, Bangor (March). Training Advisory visits - College of African Wildlife Management, and Serengeti National Park, Tanzania, and Nairobi National Park, Kenya (April). Adviser, “Your Wake-up Call” Conference (Youth environment ambassador’s pre-earth Summit meeting) UNED-UK, Birmingham (April). Delivered short courses in community-based conservation, Suva, Fiji, May and October. Tutor - “Sustainable Rural Tourism”, Birkbeck College Summer School, Snowdonia National Park Field Studies Centre (July). Observer, “Earth Summit”, Johannesburg (August). Principal Tutor: DFID Indian Forestry Training Programme, University of Wales, Bangor.
- 2003 Co-leader - International Bryology Training Course, Puerto Williams, Isla Navarino, Chile (January); Advisory Mission (Sustainable Tourism) Provincia Antartica Chilena (UK Foreign & Commonwealth Office) (January). Director - DFID Competence Based Training Programme for senior staff of Forestry Colleges in India (Bangor University) Feb - June. Guest lecturing (Sustainable Tourism) Institute for Rural Studies, Aberystwyth University (March). Short Course Tutor – EIA and GIS, Bangor University.
- 2004 Consultancy – Sustainable Tourism Planning, Tierra del Fuego. Expedition member – Cape Horn Islands Biodiversity Survey. Director: 4-week training course in “Conservation Impact Assessment” for NGO staff from Madagascar (FCO/British Council) Bangor. Director: 4-week training

- course in “Biodiversity Impact Assessment” for conservation staff from the Government of Guyana. Director: 3-week training course in EIA and GIS for field staff of UNIDO, Nairobi. Leader, Darwin Initiative pre-project mission to eastern Kenya for conservation of the critically endangered Hirola Antelope. Secured £170,000 annual contract and delivered 3-month “Chevening Training Programme in Environmental Management and Sustainable Development” for environmental practitioners from India (FCO/British Council).
- 2005 Team Leader – Darwin Initiative Expedition to Darwin Cordillera and Wollaston Islands Group (Cape Horn), Tierra del Fuego. Convener, 2-day seminar on Sustainable Tourism, British Embassy, Santiago Chile. Curriculum Development for new MSc in Community-based Conservation, University of the South Pacific, Fiji. “Expert Panellist” UK Sustainable Development Commission Round-Table Conference (June). Co-organiser, Foreign Office “Outreach Event” on Sustainable Development, Bangor (November). Director: 3-month training programme in “Environmental Management and Sustainable Development” for Indian practitioners (FCO/British Council). Member, DEFRA Planning Group for UK-India High-level Ministerial Dialogue on Sustainable Development (specialist input: Conservation of the Bengal Tiger).
- 2006 Co-Convener, UK-India Workshop on Wildlife Crime, New Delhi Jan31<sup>st</sup> -Feb 1<sup>st</sup>. Course Leader - travelling programme in “Tourism and Conservation” (2-day training events) at: Omora Foundation, Puerto Williams; Universidad de Magallanes, Punta Arenas; Universidad de Los Lagos, Osorno; Universidad de Chile, Santiago and Universidad Andres Bello, Vina del Mar, Chile, June. Leader, Darwin Initiative scoping mission, Mekelle University, Ethiopia (Agrodiversity Resources Survey) August.
- 2007 Director, 2 four-week training programmes on Integrated Rural Development Management for practitioners from Ethiopia. Bangor, March and April. Lead-Trainer British Council Workshop on Wildlife Crime, Assam, India March 2007. Wildlife Management Advisory mission, Kaziranga National Park, Assam, and Dimapur, Nagaland, March. Participant, Wales Environmental Goods and Services Trade Mission to South Africa, April 2007. Training assessment and curriculum development mission, Indira Gandhi National Forest Academy, and Visiting Lecturer, Wildlife Institute of India, Dehra Dun, July. Course Leader, “Broadcasting for Development” for the Ethiopian Amhara Mass Media Authority. Bangor, August. Keynote address “Environmental Impacts of Antarctic Tourism”. World Travel Market, London, November 2007.
- 2008 Founding Director of the Wales Environment Research Hub at Bangor in North Wales (funded by the Welsh Assembly Government, Environment Agency, Countryside Council for Wales, Forestry Commission and the NERC Centre for Ecology and Hydrology). Organisation and facilitation of the “Future Proof” Workshop on Environmental Monitoring in Wales, Bangor, October 2008.
- 2009 Organiser – Wales Environmental Science into Policy Forum, Millennium Centre, Cardiff, January 2009. Organiser – Workshop on Ecosystem Services, Bangor (July). Draft: “Research Needs for the Wales Environment Strategy” (August).

### **S. Russell - Published Articles**

- Russell, S. 1978. "The Moss Flora of Britain and Ireland" by A.J.E. Smith. S. A. Journ. Sci. 74:486-7, (Book review).
- Russell, S. 1979. British and South African bryological concordance. Bull. Brit. Bryol. Soc. 34:35-36.
- Verwoerd, W.J., Russell, S. & Berruti, A. 1981. Volcanic eruption on Marion Island. Earth & Planetary Science Letters 54:153-156.
- Russell, S. 1982. Humidity gradients and bryophyte zonation in the afro-montane forests of the Eastern Cape, South Africa. Journ. Hattori Bot. Lab. 52:299-302.
- Smith, V.R. & Russell, S. 1982. Acetylene reduction by bryophyte-cyanobacterial associations on a sub-Antarctic island. Polar Biology 1:153-157.
- Marker, M.E. & Russell, S. 1984. The application of biogeographical techniques to forest site-factor analysis. S.A. Geog. Journ. 66:65-78.
- Russell, S. 1984a. Growth measurement in bryophytes. Journ. Hattori Bot. Lab. 56:147-157.
- Russell, S. 1984b. The measurement of mist precipitation. "Bryological Times" 25:4.
- Russell, S. 1985. Bryophyte production at Marion Island. In: W.R. Siegfried, D.R. Condy & R.M. Laws (eds). Antarctic Nutrient Cycles and Food Webs. Berlin: Springer Verlag.
- Russell, S. & Van Rooy, J. 1986. Biogeographical relationships of the Namibian bryoflora. Palaeoecology of Africa 17:201- 203.
- Seppelt, R.D. & Russell, S. 1986. Fissidens bryooides Hedw., new to the moss flora of subantarctic Prince Edward Island. Lindbergia 12:57-59.
- Russell, S. 1987. Water relations and nutrient status of bryophyte communities at Marion Island Sub-Antarctic. In: T. Pocs, T. Simon, Z. Tuba & J. Podani (eds), Proc. IAB Conference of Bryoecology, Budapest-Vacratot, Hungary, 5-10 Aug, 1985. Symposia Biologica Hungarica 35:39-57.
- Botha, C.E.J. & Russell, S. 1988. Comparison of photosynthetic temperature and light optima in selected grasses from the Eastern Cape/Ciskei region. S. Afr. J. Bot. 542: 133-13.
- Botha, C.E.J., Russell, S. & Phillipson, P.B. 1988.. Panicum ecklonii, a new record of a C4 photosynthetic variant. S. Afr. J. Bot. 541.: 89-93.
- Geldenhuys, C.J., Knight, R.S., Russell, S. & Jarman, M.L. 1988. Dictionary of forest structural terminology. South African National Scientific Programmes Report No 147. CSIR. Pretoria.
- Phillipson, P.B. & Russell, S. 1988. Phytogeographical relationships of the Alexandria Forest: 661-670. In P. Goldblatt & P.P. Lowry (eds), Modern Systematic Studies in African Botany. St. Louis: Missouri Botanical Garden.

- Russell, S. 1988a. Measurement of bryophyte growth 1. Biomass (harvest) techniques: 249-257. In J. Glime (Ed.), *Methods in Bryology*. Nichinan, Japan: Hattori Bot. Lab.
- Russell, S. 1988b. Measurement of bryophyte growth 2. Gas exchange techniques: 259-273. In: J. Glime (Ed.), *Methods in Bryology*. Nichinan, Japan: Hattori Bot. Lab.
- Russell, S. & Van Rooy, J. 1988a. The bryoflora of Namibia: In P. Goldblatt & P.P. Lowry (eds), *Modern Systematic Studies in African Botany*. St. Louis: Missouri Botanical Garden.
- Russell, S. & Van Rooy, J. 1988b. Bryophyte diversity in the Eastern Cape forests: 136-143. In M.N. Bruton & F.W. Gess (eds), *Towards an Environmental Plan for the Eastern Cape*. Grahamstown: Rhodes University.
- Russell, S. 1990. Bryophyte production and decomposition in tundra ecosystems. *Bot. J. Lin. Soc.* 104 (1-3): 3-22.
- Russell, S. 1992. Bryofloristic relationships within southern African forests. *Bull Br. Bryol. Soc.* 59:11.
- Russell, S. 1992. Protocols for collecting plants in the Antarctic. In: D D Wynn-Williams (Ed.) *Manual of Methods for Antarctic Terrestrial and Freshwater Research*. Scientific Committee on Antarctic Research: Cambridge.
- Russell, S. & Lewis Smith, R.I. 1993. New significance for Antarctic biological collections and taxonomic research. *Proc. NIPR Symp. Polar Biol.* 6:152-165.
- Walters, S. & Russell, S. 1993. *Development Priority Guidelines: Environment*. British Council, Manchester.
- Magadza, CHD & Russell, S. 1994 (eds). *Climate and Survival in Southern Africa*. Proceedings of the International Conference on environmental impacts of drought and climate change in Southern Africa. Victoria Falls, Zimbabwe, February 1994. British Council, Harare.
- Russell, S. 1995. GIS and habitat mapping of the Mkomazi Game Reserve, Tanzania. in Coe, M (ed) *The Mkomazi Ecological Research Programme*. Royal Geographical Society, London.
- Walkey, M, Swingland, IR & Russell, S (eds) 1999. *Integrated Protected Area Management*. Kluwer Academic Publishers, Boston.
- Russell, S. 1999. Aid for environment: the greening of development priorities. Pp 261-276 in: Walkey, M., Swingland, IR. and Russell, S. (eds), *Integrated Protected Area Management*. Kluwer Academic Publishers, Boston.
- Falzon, C & Russell, S. 2004. Sustainable tourism development in the Cape Horn region of southern Chile. *Eurochile*, Santiago.
- Paleczny, DR & Russell, S. 2005. Participatory Approaches in Protected Area Assessment and Reporting. Proceedings of the Parks Research Forum of Ontario Annual Symposium, Peterborough, May 5-6, 2005.
- Russell S. 2006. Bryophytes of Southern Chile. *Field Bryology* 89: 13-14.

Matcham, HW, Pressel, S, Russell, S, Massardo, F & Duckett, JG. 2007. Inventory and Conservation of the Bryoflora of south-western Patagonia. *Field Bryology* 93: 2-8.

Kaswamila, A, Russell, S & McGibbon, M (2007). Impacts of wildlife on household food security and income in Northeastern Tanzania. *Human Dimensions of Wildlife* 12(6):391-404.

Rozzi, R, Armesto, J, Goffinet, B, Buck, W, Massardo, F, Silander, J, Kalin-Arroyo, M, Russell, S, Anderson, C, Cavieres, L, Callicott, B (2008). Changing lenses to assess biodiversity: patterns of species richness in sub-Antarctic plants and implications for global conservation. *Frontiers in Ecology and the Environment* 6(3):131-137.

### **S. Russell - Selected Conference Papers and Reports**

Russell, S. 1977a. Taxonomy and distribution of Ectotropis alpina, a rare alpine plant, endemic to the Eastern Cape mountains. Poster paper, Fort Hare University herbarium inauguration meeting, South African Association of Botanists (SAAB), Eastern Cape, 1977.

Russell, S. 1977b. An electron microscopic investigation of the ultrastructure of the Gunnera/Nostoc symbiosis. Poster paper, Fort Hare University herbarium inauguration meeting, SAAB, Eastern Cape, 1977.

Russell, S. 1978a. Ecological studies on the bryophyte flora of an Eastern Cape forest. SAAB annual congress, Bloemfontein, Orange Free State.

Russell, S. 1978b. Economic aspects of bryophytes. Transkei & Ciskei Research Society, biennial Conference, Umtata, Transkei.

Russell, S. 1979a. Environmental tolerance in bryophytes. SAAB annual congress, Stellenbosch, Cape Province.

Russell, S. 1979b. A checklist of the bryophytes of the "Elephant Trail", Diepwalle State Forest, Knysna. Dept. Forestry, Saasveld Forest Research Station, Cape Province.

Russell, S. & Berruti, A. 1980. Report on recent volcanic activity at Kaalkoppie, Marion Island. Dept. of Transport, Pretoria. Republished by the Smithsonian Institution's Centre for Short Lived Events in: SEAN bulletin 6(1), Jan 30, 1981, and "EOS", *Trans. Am. Geophys. Union* 62(11), March 17, 1981.

Russell, S. 1982. Australian rainforest ecology. Study leave report, pp.33. CSIR, Pretoria.

Russell, S. 1985. The use of bryophytes and lichens in structural forest classification. CSIR Forest Biome Project workshop, Mtunzizni, Zululand.

Russell, S. 1986. The Amatola environment: an introduction to the region with a field excursion guide. CSIR Forest Biome Project workshop, Hogsback, Eastern Cape.

Botha, CEJ., Mjwara, M., Russell, S. & Magwa, M. 1987. CO<sub>2</sub> assimilation of seven Ciskei pasture grasses under controlled environment conditions. SAAB annual congress, Durban, Natal.

- Russell, S. 1987. Response of Sphagnum mires to acid deposition in Northern Wisconsin. Contract research project report - Wisconsin Department of Natural Resources. Houghton: Michigan Technological University.
- Russell, S., Montgomery, S. & Schlettwein, C. 1989. Environmental Policy Guidelines for the Government of Namibia. Report of the working group on post-independence environmental policy and planning in Namibia. Windhoek, September 1989.
- Russell, S. 1990. The Status of Plant Science Teaching and Research in Namibia. African Biosciences Network Conference - "The Status of Plant Science in Southern Africa", Eduardo Mondlane University, Maputo, Mozambique, February, 1990.
- Russell, S. 1990 (Ed.). The Status of Plant Science Research in Southern Africa. Working Group Report, African Biosciences Conference - "The Status of Plant Science in Southern Africa", Eduardo Mondlane University, Maputo, Mozambique, February 1990 (Appeared in NESAPS Bulletin 1, September 1990).
- Russell, S. 1990. Independence Avenue trees: proposals for tree-planting in Windhoek's main thoroughfare. Roan News 62:7-8 (Bulletin of the Wildlife Society of Namibia).
- Russell, S. 1990. A proposed funding and project-management framework for NATRE. Combined executive workshop on the formation of a Natural Resources Research Institute (NATRE) and central Geographical Information System (GIS) for Namibia. University of Namibia (March).
- Russell, S. 1990. How can the University satisfy the research needs of Namibia? In: Harlech-Jones, B. (Ed.) Report on the Planning and Review Conference of the University of Namibia, January 1990. Windhoek, Namibia.
- Russell, S. 1990. Namibia and the Toxic/Nuclear Waste Question. Keynote Speaker: "Scientia 1990"; 7th National Science Convention. Windhoek College of Education. July, 1990.
- Russell, S. 1990. Promoting relevant research at the University of Namibia. Discussion paper: Executive Planning Workshop of the University of Namibia, Gross Barmen, September, 1990.
- Russell, S. 1990. The case for spending R27,5 million to prevent animal deaths in the open-canal section of Namibia's Eastern National Water Carrier. Invited address: Workshop of the ENWC joint steering committee. Waterberg, Namibia, October 1990.
- Russell, S. 1991. Bryofloristic relationships within southern African forests. British Bryological Society Annual Paper Reading Meeting, Sheffield University, September 1991.
- Russell, S. 1992. Ecology of the Namib Desert. Guest Lecture, University of Cambridge, Dept of Plant Sciences, March 1992.
- Russell, S. 1992. Philippines Agricultural Education Programme: Post Harvest Technology Skills Transfer. Evaluation Report. British Council: Manchester.
- Russell, S. 1992. Rio Report. Science Insight, July/August 1992. British Council: Manchester.
- Russell, S. 1992. The Earth Summit. Science Insight, October 1992. British Council, Manchester.

- Russell, S. 1992. British development aid and the environment. Guest lecture, Rural Resource Management M.Sc. course, Bangor University, 30 Oct, 1992.
- Russell, S. 1993. Environmental training and the British Council. Guest lecture, Protected Landscapes: Planning and Management course. Plas Tan-y-Bwlch Field Studies Centre, Snowdonia. 17 April, 1993.
- Russell, S. 1993. The Flora of Southern Africa. Guest lecture, Plant Sciences Dept, Reading University, 25 May, 1993.
- Russell, S. 1993. British involvement in environmental issues in developing countries. Guest Lecture, Environmental Management Technical Training course, MEDCAMPUS Project, University of York. 3 Sept 1993.
- Russell, S. 1993. Environmental education and training in the developing world. Guest lecture, International Centre for Development and Environmental Studies. 2nd International Workshop on Development and Environment. Edgehill University College, Ormskirk, 13-24 September, 1993.
- Russell, S. 1993. Aid for the Environment: the greening of development priorities. International Development Studies Seminar, Development Project Planning Centre, University of Bradford, Nov 8 1993.
- Russell, S. 1994. Environmental training and the British Council. Guest lecture, Protected Landscapes: Planning and Management course. Plas Tan-y-Bwlch Field Studies Centre, Snowdonia. 22 April, 1994.
- Russell, S. 1994. The greening of development aid - overseas assistance and the environment. Talk on BBC Radio Kent, April 1994.
- Russell, S. 1995. Environment and development: the role of the British aid programme. Guest lecture, King Alfred's College, Winchester, January 1995.
- Russell, S. 1995. Mapping and Geographical Information Systems. "Studying a Savanna Environment", Workshop of the Mkomazi Ecological Research Programme, Same, Tanzania, July 1995.
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