

KEW LATIN AMERICA RESEARCH FELLOWSHIPS PROGRAMME (KLARF)

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KLARF Evaluation 2007

The second KLARF Programme comes to a close in February 2008, and a review has been undertaken to evaluate the Programme's contribution to Latin American botanical research. The successful conclusion of this review marks an important milestone for possible further development of such a programme in the future.

One of Kew's primary objectives in Latin America has always been to facilitate access to its large historical collections of type specimens, technical expertise and resources in order to develop capacity for plant science research in the region. The KLARF Programme, launched in 1998, was specifically designed to meet these objectives. Today KLARF can lay claim to substantial achievements, most notably in the area of capacity building and the transfer of skills and knowledge to young botanists across a range of specialised disciplines. Over the years, it has also become one of the main points of reference and funding sources for Latin Americans wishing to conduct botanical research at Kew and other European institutions.

Another significant achievement of KLARF has been the establishment of collaborative research projects, fostering a closer and welcome link between Latin American and European researchers.

The review has also indicated direct benefits to Fellows' home institutions such as staff training and associated research quality, as well as quantity of publications.

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This has been achieved through the direct contribution and participation of a number of European and Latin American institutions, the whole scheme constituting a network of clear value for the scientific community.

A full evaluation report is available at www.klarf.org.uk under 'Review menu'. Finally, we would like to thank all those Fellows who took part on this evaluation, enabling us to undertake this review.

Final Round of Awards

The deadline for the next and final round for Prance Fellowships in Neotropical Botany is 28 February 2008

The KLARF Programme is supported by The Andrew W. Mellon Foundation (Latin American Botanical Fellowships) and The Garfield Weston Foundation, UK (Prance Fellowships in Neotropical Botany)

Prance Fellowships in Neotropical Botany

Awards February 2007



Daniela Sampaio, Universidade de São Paulo. Escola Superior de Agricultura "Luiz de Queiroz", ESALQ/USP & PhD at Universidade Estadual de Campinas (UNICAMP), Brazil. "Taxonomic Revision and Phylogenetic Analysis of Neotropical Extra-Amazon Species of *Sloanea* (Elaeocarpaceae)". – Period of fellowship 29/09/07 – 20/12/07



Geselle Matos Paggi, Universidade Federal do Rio Grande do Sul, Brazil. "The mating system of *Vriesea gigantea* Gaud. (Bromeliaceae): a molecular-marker based investigation of progeny arrays from natural populations". – Period of Fellowship: 06/06/07 – 27/10/05.

Irene Caponio, Facultad de Ciencias Agrarias, UNNE, Corrientes Argentina (IBONE), Argentina. "Detection of diploid germplasm in natural populations of Southamerican *Paspalum* (Gramineae) plus uncovering genome relationships via GISG & FISH". Period of fellowship: 12/09/07 – 12/12/07



Márcia Vignoli da Silva, Universidade Federal do Rio Grande do Sul (UFRGS), Brazil. "Taxonomic revision of the genus *Cestrum* L. (Solanaceae) in extra-Amazonian Brazil". Period of fellowship: 29/09/07 – 17/11/07

New Arrivals 2008

Alina Cuza, Group of Diagnosis, Old Havana Historian Office, Cuba. "Melastomataceae". Period of Fellowship: Early 2008.

Maria Jimena Nores, Instituto Multidisciplinario de Biología Vegetal (IMBIV), Argentina. "Mechanisms of pollen tube growth in South American species of Nyctaginaceae". Period of fellowship: 14/01/08 – 13/04/08.

Tsitsi Yetunde McPherson, University of Connecticut, USA – Guyana. "Ecology and Evolutionary Biology: Protecting Biodiversity in Guyana - a proposal for a flexible yet robust methodology for the design and evaluation of National Parks using spatially clustered data". Period of fellowship: May – October 2008.

Awards August 2007

New arrivals 2008

Ana Paula Morães, Universidade Federal de Pernambuco, Brazil. "The species in the orchid genus *Maxillaria* of the New World tropics". Period of fellowship: February – August 2008.

Ana Paula Savassi Coutinho, Escola Superior de Agricultura "Luiz de Queiroz" (ESALQ-USP), Brazil. "Taxonomic Revision and Phylogeny of *Mimosa* L. sect. *Calothamnos* Barneby (Leguminosae-Mimosoideae)". Period of fellowship: August – November 2008.

Claudia Luizon Dias Leme, Universidade Federal da Bahia (UFBA), Brazil. "Wood anatomy of regrowth from coppiced and pollarded trees in the caatinga of northeast Brazil". Period of fellowship: March – December 2008.

Inelia Escobar, Facultad de Ciencias Naturales Y Oceanográficas, Universidad de Concepción, Chile. "Floral morphology and phylogeny of the tribe *Gilliesieae* (Alliaceae) from southern South America". Period of fellowship: January – August 2008.

Leonardo de Melo Versieux, Instituto de Botânica, São Paulo-SP, Brazil. "The systematic revision and evolution of the genus *Alcantarea* (Bromeliaceae, subfamily Tillandsioideae)". Period of fellowship: April – September 2008.

Rodrigo Bernal, Instituto de Ciencias Naturales, Universidad Nacional de Colombia. "Catalogue of the Plants of Colombia". Period of fellowship: March – June 2008.

Sabina Lara-Cabrera, Universidad Michoacana de San Nicolás de Hidalgo, México. "Revisiting the taxonomy of *Salvia* - section *Polystachyae*". Period of fellowship February 2008.

Published Papers 2007

Andrade, M., Mayo, S.J., C. Van Den Berg., **Fay, M.F.,** Chester, M., **Lexer, C.** and **Kirkup, D.** 2007. A Preliminary Study of Genetic Variation in Populations of *Monstera adansonii* var. *klotzschiana* (Araceae) from North-East Brazil, Estimated with AFLP Molecular Markers. *Annals of Botany* in 100(6): 1143-1154.

Barbará, T., Martinelli, G., **Fay, M. F., Mayo, S.J.** and **Lexer, C.** 2007. Population differentiation and species cohesion in two closely related plants adapted to neotropical high-altitude 'inselbergs', *Alcantarea imperialis* and *A. Genuiculata* (Bromeliaceae). *Mol. Ecol* in 16(10): 1981 – 1992.

Blanco, M.A., Neubig, K.M. and Whitten, W.M. 2007. A New *Maxillaria* (Orchidaceae) from Panama and Colombia, and a Brazilian Species found in Ecuador. *Lindleyana* | Orchids in 76: 451-456.

Blanco, M.A., Carnevali, G., Whitten, W.M., Singer, R.B., **Koehler, S.,** Williams, N.H., Ojeda, I., Neubig K.M. and Endara, L. 2007. Generic Realignments in *Maxillariinae* (Orchidaceae). *Lankesteriana* in 7(3): 515-537.

Calderon, N., Zappi, D., Taylor, N. and Ceroni, A. 2007. Taxonomy and conservation of *Haageocereus* Backeb. (Cactaceae) in Peru, *Bradleya* in 25: 45-124.

Delgado-Salinas, A., Carr, W.R. 2007. *Phaseolus texensis* (Leguminosae: Phaseolinae): A New species from the Edwards Plateau of Central Texas. *Lundellia* in 10:11-17.

González, F., Betancur, J., Maurin, O., Freudenstein, J.V. and **Chase, M.W.** 2007. Metteniusaceae, an early-diverging family in the *lamiid* clade. *Taxon* in 56 (3): 795-800.

R. P. Oliveira, Borba, E.L. and Longhi-Wagner, H.M. 2007. Morphometrics of herbaceous bamboos of the *Raddia brasiliensis* complex (Poaceae – Bambusoideae): implications for the taxonomy of the genus and new species from Brazil. *Plant Systematics and Evolution* in 1:007-0614-2.

Sotuyo, J.S., Delgado-Salinas A., Chase, M.W., Lewis, G.P. and Oyama, K. 2007. "Cryptic speciation in the *Caesalpinia hintonii* complex (Leguminosae: Caesalpinioideae) in a seasonally dry Mexican forest", *Annals of Botany* in 100(6): 1307-1314.

Sotuyo, J.S. and **Lewis, G.P.** 2007. A new species of *Caesalpinia* from the Rio Balsas Depression, Mexico, and an updated taxonomic circumscription of the *Caesalpinia hintonii* complex (Leguminosae: Caesalpinioideae: Caesalpinieae: Poincianella Group). *BioOne* in 59: 33-36.

Book

Araujo, A.C., Cesar, E. A. and **Simpson, D.A.** 2007. Lista Preliminar da Família Cyperaceae na Região Nordeste do Brasil, Royal Botanic Gardens, Kew, vol. 3.

Jardim, J.G. and **Zappi, D.** 2008. Two new species of *Faramea* (Rubiaceae, Coussareeae) from Eastern Brazil. *Novon* in 18(1). In press.

Jardim, J.G. and **Zappi, D.** 2008. Two new species of *Faramea* (Rubiaceae) for Eastern Brazil – *F. atlantica* and *F. bicolor*. *Kew Bulletin* 63. In press

Jardim, J.G. and **Zappi, D.** 2008. *Carapichea lucida* sp. nov., a new species from Eastern Bahia, Brazil. *Kew Bulletin* 63. In press.

Ramírez-Morillo, I.M. 2007. A new *Hechtia Klotszch* (Bromeliaceae) from El Bajío, Mexico. *Acta Botanica Mexicana*. (submitted).

Oliveira, R.P. de., Longhi-Wagner H.M. and **Renvoize S.A.** 2007. Lectotypifications in some *Olyreae* (Poaceae - Bambusoideae). *Kew Bulletin*. (submitted).

Sajo M.G., Rudall P.J. Reproductive morphology of the early-divergent grass *Streptochaeta* and its bearing on the homologies of the grass spikelet. *Plant Systematics and Evolution* (submitted).

For a full list of other KLARF publications and papers submitted and/or in preparation, please visit 'Review menu' at www.klarf.org.uk.

Papers Submitted and/or In Press.

Delgado-Salinas, A. and **Lewis, G. P.** 2008. A new species of *Macropitillum* (Benth). *Urban* (Leguminosae: Papilionoideae: Phaseolinae) from Northeast Brazil. *Kew Bulletin* 63(1). In press.

França, F. and **Proença C.** 2008. A new species of *Vochysia*. *Brittonia* in 59(4). In press.

Conference Proceedings

Silva, L.B. da., Gasson, P.E., Cutler, D. and Santos, F. de A. R. dos. 2007. Anatomia e densidade básica da madeira de *Caesalpinia pyramidalis* Tul. (Leguminosae-Caesalpinioideae), espécie endêmica da caatinga do Nordeste do Brasil. I Simpósio Brasileiro de Anatomia da Madeira. SIMBRAMAD 43-44. Vol.1.

Silva, L.B da., Gasson, P.E., Cutler, D., Tomazelo-Filho, M., Lise, C.S. and Santos, F. de A. R. dos. 2007. Influência da precipitação pluviométrica anual na formação dos anéis de crescimento de *Croton sonderianus* Muell. Arg. (Euphorbiaceae) proveniente da Caatinga do Nordeste do Brasil. I Simpósio Brasileiro de Anatomia da Madeira. SIMBRAMAD. Vol.1.

Prata, A., Simpson, D.A., Thomas, W.W. and Wanderley M.G.L. 2005. Phylogenetic analysis of *Bulbostylis* Kunth (Cyperaceae) using plastid DNA sequence data. XVII International Botanical Congress, Viena. XVII IBC 2005. 410-410.

Vieira, C.V., Silva, E. A.A da., Alvarenga, A.A., Castro, E.M. de. and Toorop, P.E. 2007. Re-induction of Desiccation Tolerance in Seedlings of *Tabebuia impetiginosa* Mart. and in *Alliaria petiolata* (Bieb.) Cavara et Grande. Congresso de fisiologia, Gramado, Rio Grande do Sul. Brazilian Journal of Plant physiology, vol. 19, suplement.

News

The 'Global Science Books' have invited a former KLARF fellow, Peter Hargreaves, to write a review about phytosociology in Brazil. This will be included in the American Journal of Plant Science and Biotechnology in 2008. Peter acknowledges that "it might seem quite a daunting task". However, he has found a satisfactory way of doing it. He intends to submit the review under the more reasonable title "Phytosociological surveys and their uses in Brazil" which allows a discussion of more aspects of plant ecology and conservation.

KLARF Presentations

December 2006

Lorena Guevara, Universidade Central de Venezuela. Prolongación, Maracú, Estado Aragua, Venezuela: Floral structure and systematics in *Mauritiinae* Meisn. (Arecaceae)

Maria Natividad Sánchez de Stapf, Universidade Estadual de Feira de Santana, Feira de Santana, Bahia, Brazil & Smithsonian Tropical Research Institute, Panama: Evaluation of the infrageneric classification of *Cordia* L. (Boraginaceae) and taxonomic revision of *Cordia* sect. *Myxa* (Endl.)DC.

January-December 2007



Alfonso Delgado-Salinas, Instituto de Biología, UNAM, México: Systematics of *Vigna* Savi and related genera (Leguminosae).

Carlos Vinicius Vieira, Federal University of Lavras (UFLA), Lavras, Minas Gerais, Brazil: The re-induction of desiccation tolerance in germinated seeds of *Tabebuia impetiginosa* Mart.

Daniela Sampaio, Universidade de São Paulo. Escola Superior de Agricultura "Luiz de Queiroz", ESALQ/USP, Brazil : Taxonomic Revision and Phylogenetic Analysis of Neotropical Extra-Amazon Species of *Sloanea* (Elaeocarpaceae)

Photo Daniela Sampaio



***Sloanea* (Elaeocarpaceae)**



Claudine Massi Mynssen, Research Institute of Rio de Janeiro Botanical Garden, Brazil: The genus *Diplazium* Sw. (Woodsiaceae) in Brazil.

Elnatan Bezerra de Souza, Universidade Estadual Vale do Acaraú, Sobral, Ceará, Brasil; Programa de Pós-Graduação em Botânica, Universidade Estadual de Feira de Santana, Bahia, Brasil: Phylogeny and Taxonomic Revision of *Mitracarpus* (Rubiaceae – Spermaceae): Brazilian Species

Favio González, Institute of Natural Sciences - National University of Colombia: Understanding the elusive phylogenetic relationships of the neotropical family Metteniusaceae

Gecele Matos Paggi, Universidade Federal do Rio Grande do Sul, Laboratório de Genética Vegetal, Porto Alegre, RS, Brazil: Variation in the mating system and patterns of contemporary gene flow in the neotropical rainforest species *Vriesea gigantea* Gaud. (Bromeliaceae)

Irene Caponio, Facultad de Ciencias Agrarias, UNNE, Corrientes Argentina (IBONE): Detection of diploid germplasm in natural populations of South American *Paspalum* (Gramineae) plus uncovering genome relationships via GISH & FISH

Jeny Solange Sotuyo, Centro de Investigaciones en Ecosistemas (CIEco) UNAM, Michoacán, México: Towards a phylogeny of *Caesalpinia* sensu lato (Leguminosae: Caesalpinioideae: Caesalpiniae)

Jomar Gomes Jardim, Universidade Estadual de Feira de Santana, Brasil: Phylogeny of *Faramea* Aubl. (Rubiaceae) and revision of sect. *Hypochasma* Müell. Arg.



Marcela Celis, Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá, Colombia: Phylogenetic relationships in Tiger-Flowers (Tigridieae-Iridaceae)

Márcia Vignoli da Silva, Universidade Federal do Rio Grande do Sul, Brazil: Taxonomic revision of the genus *Cestrum* L. (Solanaceae) in extra-Amazonian Brazil.



Maria das Graças Sajo, Universidade Estadual Paulista (UNESP), Rio Claro – S.P, Brazil: Floral anatomy of the early-divergent grass *Streptochaeta*

Mario Branco, Jardín Botánico Lankester, Universidad de Costa Rica, Cartago, Costa Rica: A taxonomic revision of *Lockhartia*, and annotation of *Maxillariinae* specimens (Orchidaceae)

Renato Mello-Silva, Universidade de São Paulo (USP), Brasil : Towards a revision of Velloziaceae: database, characters, phylogeny and clarification



Crinodendron (Elaeocarpaceae)

Kew

PLANTS PEOPLE
POSSIBILITIES

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