

BRIEF CURRICULUM VITAE

Updated on September 26th 2012

PERSONAL DATA

NAME: Juli Caujapé-Castells

DATE OF BIRTH: October 13th 1965 PLACE OF BIRTH: Barcelona (Spain) GENDER: Male

PRESENT PROFESSIONAL STATUS

Public servant of the Cabildo de Gran Canaria (plaza F1071, Escala Administración Especial, subescala técnica, Grupo A, subgrupo A1, Denominación "Biólogo-investigador"),

Head, Dept. of Molecular Biodiversity & DNA bank

Jardín Botánico Canario "Viera y Clavijo" – Unidad Asociada CSIC (JBCVCSIC)

Cabildo de Gran Canaria

Coordinator & Associate Director of Research

UNESCO-Unitwin chair "Plant conservation and climate change in Macaronesia and NW África"

Jardín Botánico Canario "Viera y Clavijo" – Unidad Asociada CSIC (JBCVCSIC)

Cabildo de Gran Canaria

OTHER CURRENT PROFESSIONAL ACTIVITIES

- Responsible scientist of the "Unidad Asociada CSIC" in Gran Canaria, since June 17th 2010.
- Co-founder, Global Island Plant Conservation Network. Since 2010.
- Delegate, Group of Gran Canaria on Plant Conservation. Since 2006.
- President, Research commission of the Karl Faust Foundation - Jardí Botànic Marimurtra. Since 2004.

PREVIOUS SCIENTIFIC EXPERIENCE

- "Ramón y Cajal" researcher in plant population genetics and phylogenetics, JBCVC (January 2002-January 2007)
- Creator and head of the Molecular Biodiversity labs at the JBCVCSIC (September 1999-present)
- Post-doctoral "Research Scholar", Department of Integrative Biology and Institute of Cellular and Molecular Biology, University of Texas at Austin (January 1997-January 1999)
- Researcher in plant population genetics and conservation, Estació Internacional de Biologia Mediterrània – Jardí Botànic Marimurtra, Fundació Karl Faust (February 1990-December 1996)
- European co-coordinator. TreeBOL project (Alfred P. Sloan foundation & NY Botanical Garden Bronx (2006-2009).

STATEMENT OF RESEARCH INTERESTS (SEE ALSO <http://www.bioclimac.com/mbdna>)

I use the information contained in the molecule of DNA in an inter-disciplinary and creative context to investigate problems related to the floras from Macaronesia and other insular enclaves. At present, the problems of my utmost interest are:

1. To better understand the origins, relationships, post-colonizing evolution, diversity, bio-geographic links and conservation of the current Canarian flora.
 2. To integrate DNA banking and molecular data in multi-disciplinary approaches to taxonomy.
 3. To create bio-informatic tools to facilitate the storage, analysis and meta-analysis of any kind of genetic diversity data (see <http://www.demiurge-project.org>, and <http://vimeo.com/29828406>)
 4. To help formulate conservation objectives for insular plant endemics worldwide, fostering pattern generalization beyond single cases (see <http://www.bgci.org/ourwork/islands>)
 5. To promote public awareness of biodiversity research developed in Botanic Gardens.
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SOME SELECTED SCIENTIFIC PUBLICATIONS

- Assunção P, Jaén-Molina R, **Caujapé-Castells J**, Wolf M, Bucheim M, de la Jara A, Freijanes K, Carmona L, Mendoza H (2012) Phylogenetic analysis of ITS2 sequences suggests the taxonomic re-structuring of *Dunaliella viridis* (Chlorophyceae, Dunaliellales). *Phycological Research* (in press)
- Assunção P, Jaén-Molina R, **Caujapé-Castells J**, de la Jara A, Carmona L, Freijanes K, Mendoza H (2012) Molecular taxonomy of *Dunaliella* (Chlorophyceae), with a special focus on *D. salina*: ITS2 sequences revisited with an extensive geographical sampling. *Aquatic Biosystems* 8: 2.
- Caujapé-Castells J**, Castellano JJ, Ramos R, Henríquez V, Sabbagh I, Quintana-Trujillo FM, Rodríguez JF (2011) Transformer-4, a multi-platform software to quickly analyze unlimited numbers of genotype matrices of any size and type, and archive them in the *Demiurge* information system. *Molecular Ecology Resources* (accepted with modifications).
- Ojeda I, Santos Guerra A, Oliva-Tejera F, Valido A, Marrero A, Xue X, **Caujapé-Castells J**, Cronk Q (2012) Biochemical evolution of bird-pollinated flowers in Macaronesian *Lotus* (Leguminosae). *Perspectives in Plant Evolution, Ecology and Systematics* (in press).
- Ojeda I, **Caujapé-Castells J**, Jaén Molina R, Marrero A, Cronk Q (2012) Comparative micromorphology of petals in Macaronesian *Lotus* (Leguminosae) reveals a loss of papillose conical cells during the evolution of bird pollination. *International Journal of Plant Sciences* 173: 365–374.
- Rumeu B, Vargas P, Jaén-Molina R, Nogales M, **Caujapé-Castells J** (2011) Origin and conservation of the Macaronesian junipers: genetic consequences of human-mediated fragmentation of the Canarian endemic *Juniperus cedrus*. *Tree Genetics & Genomes* (submitted).
- Caujapé-Castells J**, Sabbagh I, Medina DA, Toledo J, Ramírez-Pérez F, Castellano JJ, Ramos R, Quintana-Trujillo FM, Henríquez V, Rodríguez JF, Bethencourt C (2011) DEMIURGE: an enhancer of knowledge on biodiversity's genetic diversity. Las Palmas de Gran Canaria, Spain. <http://www.demiurge-project.org/>.
- Caujapé-Castells J**, Castellano JJ, Henríquez V, Ramos R, Sabbagh I, Quintana-Trujillo FM, Rodríguez JF (2011) Transformer-4 version 1.0: a genotype matrix format translator. Jardín Botánico Canario "Viera y Clavijo"-Unidad Asociada CSIC, Instituto Tecnológico de Canarias, Jablessoft & Inventiplus. Las Palmas de Gran Canaria, Spain. (http://www.demiurge-project.org/download_t4). Software program.
- Ojeda I, Santos-Guerra A, Jaén-Molina R, Oliva-Tejera F, **Caujapé-Castells J**, Cronk Q (2011) The origin of bird pollination in Macaronesian *Lotus* (Loteae, Leguminosae). *Molecular Phylogenetics and Evolution* 62: 306-318.
- Rumeu B, **Caujapé-Castells J**, Blanco-Pastor JL, Jaén-Molina R, Nogales M, Elias RB, Vargas P (2011) The Colonization History of *Juniperus brevifolia* (Cupressaceae) in the Azores Islands. *PLoS ONE* 6: e27697 (<http://dx.plos.org/10.1371/journal.pone.0027697>).
- Caujapé-Castells J**. (2011) Jesters, red queens, boomerangs and surfers: a molecular outlook on the Canarian endemic flora. Pp. 284-324 In: Bramwell D, Caujapé-Castells J (eds) *The biology of island floras*. Cambridge University Press, London.
- Caujapé-Castells J** (2011) Preface. Pp. xiii-xv In: Bramwell D, Caujapé-Castells J (eds) *The biology of island floras*. Cambridge University Press, London.
- Assunção P, Jaén-Molina R, **Caujapé-Castells J**, de la Jara A, Carmona L, Freijanes K, Mendoza H (2011) Phylogenetic position of *Dunaliella acidophila* (Chlorophyceae) based on ITS and rbcL sequences. *Journal of applied Phycology*, in press (DOI: 10.1007/s10811-011-9676-1).
- Caujapé-Castells J**, Santos-Guerra A, Jardim R, Melo J, Bramwell D, Gómes I (2010) The status of plant conservation on the Macaronesian archipelago. In: 4th Global Botanic Gardens Congress Book, IUCN editions, London.
- Caujapé-Castells J**, Beaver K, Crawford D, Florens V, Gómes I, Jardim R, Lobin W, Moura M, Sakai A, Santos-Guerra A, Tye A (2010) Conservation of island floras: present assets and future global challenges. *Perspectives in Plant Evolution, Ecology and Systematics* 12: 107-129.
- Jaén-Molina R, Marrero-Rodríguez A, Reyes-Betancort A, Naranjo-Suárez A, Santos-Guerra A, Werner O, Patiño J, González-Mancebo, JM, Draper I, Ros RM, **Caujapé-Castells J** (2010) *La flora endémica del parque nacional de Garajonay bajo la perspectiva molecular: las secuencias de ADN como herramienta en la identificación taxonómica*. Pp. 249-273 In: L. Ramírez Sanz & B. Asensio Nistal "Naturaleza y Parques Nacionales. Serie Investigación en la red". Ministerio de Medio Ambiente y Medio Rural y Marino, Madrid, Spain.
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- Caujapé-Castells J** (2010) General G_{ST} and θ inflation due to biased intra-population sampling, and its consequences for the genetic conservation of the Canarian flora. *Conservation Genetics* 11: 709-720.
- Caujapé-Castells J** (2010) Botanic gardens and conservation of the Macaronesian floras. In: Gouveia L, Carvalho JA, Fernandes F, Lobo C. (eds) "50 anos Jardim Botânico da Madeira Engº Rui Vieira". Direcção General de Florestas, Madeira. Pp. 25-38.
- Jaén-Molina R, **Caujapé-Castells J** (2010) Gestión de insumos en Bancos de ADN: la información contenida en el material genético como activo de conocimiento para generar beneficios en la conservación de las Floras. *El botánico* 4: 8-9.
- Torras Claveria L, Berkov S, Jáuregui O, Viladomat F, **Caujapé-Castells J**, Codina C, Bastida J (2009) Metabolic profiling of bioactive *Pancreatium canariense* extracts by GC-MS. *Phytochemical Analysis* 21: 80-88.
- Suárez-García C, Pérez de Paz J, Febles R, **Caujapé-Castells J** (2009) Genetic diversity and floral dimorphism in *Limonium dendroides* (Plumbaginaceae), a woody Canarian species on the way of extinction. *Plant Systematics and Evolution* 280: 105-117.
- Jaén-Molina R, **Caujapé-Castells J**, Akhani H, Reyes-Betancort JA, Fernández-Palacios O, Pérez de Paz J, Febles R, Marrero-Rodríguez A. (2009) The molecular phylogeny of *Matthiola* R. Br. (Brassicaceae) inferred from ITS sequences, with special emphasis on the Macaronesian endemics. *Molecular Phylogenetics and Evolution* 53: 972-981.
- Mora-Vicente S, **Caujapé-Castells J**, Pérez de Paz J, Febles R, Malo J (2009) Isozyme diversity in some Canarian woody endemics of the genus *Echium* L. (Boraginaceae). *Plant Systematics and Evolution* 279: 139-149.
- Blanquer A, Uriz I, **Caujapé-Castells J** (2009) Small-scale structure (SGS) in encrusting sponges with philopatric larval dispersal and frequent fission and fusion events: a case study on *Scopalina lophyropoda*. *Marine Ecology Progress Series* 380: 95-102.
- Caujapé-Castells J** (2009) Criterios genéticos para conservación ex-situ. Pp. 99-115 in Bacchetta G, Ballesteros D, Belletti P et al. (eds) *Conservación ex situ de plantas silvestres*. Gobierno del Principado de Asturias & Obra Social "La Caixa", Oviedo, Spain.
- Caujapé-Castells J**, Marrero-Rodríguez A, Cabrera-García N, Baccarani-Rosas M, Vilches-Navarrete B (2008) Population genetics of the endangered Canarian endemic *Atractylis arbuscula* (Asteraceae): Implications for taxonomy and conservation *Plant Systematics and Evolution* 274: 99-109.
- Caujapé-Castells J**, Baccarani-Rosas M, Cabrera-García N, Naranjo Suárez J, Santana I, Marrero M, Carqué E, Mesa-Coello R (2008) Population genetic suggestions to offset the extinction ratchet in the endangered Canarian endemic *Atractylis preauxiana* (Asteraceae). *Plant Systematics and Evolution* 273: 191-199.
- Bramwell D, **Caujapé-Castells J** (2008) La Flora Canaria en el Siglo XXI. *Anuario de estudios Atlánticos* 54: 509-531.
- Caujapé-Castells J**, Jaén-Molina R, Cabrera-García N (2007) BIOMABANC: Red de Bancos de biodiversidad de la flora Macaronésica. Banco de ADN de la Flora Canaria. *Rincones del Atlántico* 4: 7-10.
- Sánchez JL, **Caujapé-Castells J**, Reyes-Betancort JA, Scholz S (2006) Population genetic variation of *Matthiola bolleana* Webb ex Christ (Brassicaceae), an endemic to the eastern Canary Islands of Fuerteventura and Lanzarote. *Plant Systematics and Evolution* 262: 139-151.
- Oliva-Tejera F, **Caujapé-Castells J**, Navarro-Déniz J, Reyes-Betancort A, Baccarani-Rosas M, Cabrera-García N (2006) Population genetics of three Canarian endemic *Lotus*: levels and structuring of genetic variation and implications for the taxonomy of the endangered *L. kunkelii*. *American Journal of Botany* 93(8): 1116-1124.
- Grupo de Gran Canaria (2006) [Gómez-Mejía A, Lane A, Trivedi C, Bramwell D, Hernández-Bermejo E, Hongwen H, Seyani J, Lovett J, **Caujapé-Castells J**, Waylen K, Téllez-Valdés O, Vitt P, Smith P, Olfield S, Blackmore S, Sharrock, S] Gran Canaria Declaration on Climate Change and Plant Conservation Cabildo de Gran Canaria & BGCI editions.
- Caujapé-Castells J** (2006) Brújula para botánicos desorientados en la genética de poblaciones. Exegen editions, Las Palmas de Gran Canaria, Spain.
- Caujapé-Castells J**, Roca Salinas A, Gomes I, Marrero Rodríguez A (2006) CAVEGEN: Banco de semillas, banco de genes y herbarios, colaborando con Cabo Verde. *Rincones del Atlántico* 3: 152-153.

- Caujapé-Castells J**, Baccarani-Rosas M (2005) Transformer-3: a computer program for the analysis of molecular population genetic data. EXEGEN software & Jardín Botánico Canario "Viera y Clavijo".
- Caujapé-Castells J**, Baccarani-Rosas M (2005) Transformer-3: User's manual. EXEGEN software & Jardín Botánico Canario "Viera y Clavijo".
- Bouza N, **Caujapé-Castells J**, Sosa P, González-Pérez MA (2006) Population genetic structure of gametophytes in the red algae *Gelidium canariense* investigated by random amplified polymorphic DNA (RAPD) markers. *Journal of Phycology* 42: 304-311.
- Oliva-Tejera F, **Caujapé-Castells J**, Naranjo-Suárez J, Navarro-Déniz J, Acebes-Ginovés JR, Bramwell D (2005) Population genetic differentiation in the taxa of *Lotus* (Fabaceae: Loteae) endemic from the Gran Canarian pine forest. *Heredity* 94: 199-206.
- Sánchez JL, Domina G, **Caujapé-Castells J** (2005) Genetic differentiation of *Matthiola* (Cruciferae) in the Sicilian insular system. *Plant Systematics and Evolution* 253: 81-93.
- Caujapé-Castells J** (2004) Boomerangs of biodiversity? the interchange of biodiversity between mainland north Africa and the Canary Islands as inferred from cpDNA RFLPs in genus *Androcymbium*. *Botánica Macaronésica* 25: 53-69.
- González-Pérez M, **Caujapé-Castells J**, Sosa P (2004) Allozyme variation and structure of the Canarian endemic palm tree *Phoenix canariensis* (Arecaceae): implications for conservation. *Heredity* 93: 307-315.
- González-Pérez M, **Caujapé-Castells J**, Sosa P (2004) Molecular evidence of hybridization between the endemic *Phoenix canariensis* and the widespread *P. dactylifera* with Random Amplified Polymorphic DNA (RAPD) markers. *Plant Systematics and Evolution* 247: 165-175.
- Batista F, Bouza N, González-Pérez MA, **Caujapé-Castells J**, Sosa P (2004) Genetic variation within and between populations of two endangered endemic species of the laurel forest from the Canary Islands, *Myrica rivas-martinezii* (Myricaceae) and *Sideritis discolor* (Lamiaceae). *Australian Journal of Botany* 52: 471-480.
- Lorenzo H, **Caujapé-Castells J**, Febles R, Pérez de Paz J (2004) Isozyme variation in the Canarian endemic *Neochamaelea pulverulenta* (Cneoraceae): implications for population differentiation in the Canaries and first molecular insights on the floristic link with the Mediterranean. *Boccone* 16: 953-959.
- Caujapé-Castells J**, Pedrola-Monfort J (2004) Designing ex-situ conservation strategies through the assessment of neutral genetic markers: application to the endangered *Androcymbium gramineum*. *Conservation Genetics* 5: 131-144.
- Caujapé-Castells J**, Jansen RK (2003) The influence of the Miocene Mediterranean desiccation on the geographical expansion and genetic variation of *Androcymbium gramineum* (Cav.) McBride (Colchicaceae). *Molecular Ecology* 15: 1515-1525.
- Caujapé-Castells J**, Jansen RK, Membrives N, Pedrola-Monfort J (2002) Space-time diversification of *Androcymbium* Willd. in the Cape Floristic Region (Western Southafrica). *Plant Systematics and Evolution* 232: 73-88.
- Bouza N, **Caujapé-Castells J**, González-Pérez MA, Batista F, Sosa PA (2002) Population structure and genetic diversity of two endangered endemic species of the Canarian laurel forest: *Dorycnium spectabile* and *Isoplexis calcantha*. *International Journal of Plant Sciences* 164: 619-630.
- Caujapé-Castells J**, Jansen RK, Pedrola J, Membrives N, Montserrat J, Ardanuy A (2001) Historical biogeography of *Androcymbium* (Colchicaceae): evidence from cpDNA RFLPs. *Botanical Journal of the Linnean Society* 136: 379-392.
- Batista F, Bañares A, **Caujapé-Castells J**, Sosa PA, Carqué E, Marrero M (2001) Isozyme variation in three endemic species of *Cistus* (Cistaceae) from the Canary Islands. Implications for species delimitation and conservation. *American Journal of Botany* 88: 1582-1592.
- Membrives N, Pedrola-Monfort J, **Caujapé-Castells J** (2001) Relative influence of biological versus historical factors on allozymic diversity of the genus *Androcymbium* (Colchicaceae) in Africa. *Plant Systematics and Evolution* 229: 237-260.
- Caujapé-Castells J**, Jansen RK, Pedrola-Monfort J, Membrives N (1999) Chloroplast DNA restriction site phylogeny of the genus *Androcymbium* (Colchicaceae). *Systematic Botany* 24: 581-597
- Caujapé-Castells J**, Pedrola-Monfort, Membrives, N. (1999) Contrasting patterns of genetic structure in the South African species *Androcymbium bellum*, *A. guttatum* and *A. pulchrum* (Colchicaceae). *Biochemical Systematics and Ecology* 27: 591-605.
- Pedrola-Monfort J, Membrives N, Montserrat JM, **Caujapé-Castells J** (1999) A new species from western Southafrica: *Androcymbium huntleyi* (Colchicaceae). *Fontqueria* 53: 1-2.
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- Pedrola-Monfort J, **Caujapé-Castells J** (1998) The *Androcymbium* species of the Canary Islands. *Curtis' Botanical Magazine* 15: 67- 77
- Caujapé-Castells J**, Pedrola-Monfort J (1997) Space-time patterns of genetic structure in a stand of *Androcymbium gramineum* Cav. McBride (Colchicaceae). *Heredity* 79: 341-349.
- Pedrola-Monfort J, **Caujapé-Castells J** (1996) Genetic and morphological divergence in the *Androcymbium gramineum* complex (Colchicaceae). *Plant Systematics and Evolution* 201: 149-162.
- Pedrola-Monfort J, **Caujapé-Castells J** (1994) Allozymic and morphological relationships among *Androcymbium gramineum*, *A. europaeum* and *A. psammophilum*. *Plant Systematics and Evolution* 191: 111-126.
- Pedrola-Monfort J, Martín J, **Caujapé-Castells J** (1993) Pollen morphology and biometry of the species of the section *Erythrostictus* of the genus *Androcymbium*. *Canadian Journal of Botany* 71: 1369-1374.
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SOME RECENT INVITED LECTURES

The phylogenetic diversity of the endemic flora in the Biosphere Reserve of Gran Canaria: first results, future prospects

September 12th, Lecture at the "2nd meeting of the Global Network of Island and Coastal Biosphere Reserves", Jeju-do (South Korea)

The genetic diversity discontinuity in the Canarian flora: possible origins, links, and consequences

September 6th 2012, Keystone Lecture at the "Floramac 2012 conference", Madeira (Portugal)

Construing the genetic diversity patterns in the Canarian flora

July 11th 2012, Keystone lecture at the Symposium "Evolution on Islands: a colloquium to honor the careers of Daniel Crawford and Tod Stuessy" Botanical Society of America meeting 2012, Columbus, Ohio (USA)

Botes, bytes, bates i corbates: la integració del coneixement com a eina per a avaluar i conservar la flora

June 14th 2012, Keystone lecture at the "III Jornades de Conservació de Flora", Lleida (Spain)

Phylogeographic stories and conservation of Canarian endemic trees: insights from genetic data and DNA banking

April 20th 2012, Keystone lecture at the International conference "Store, certify and exchange - the role of biobanks for research and protection of forest biodiversity", Viterbo Italy

El impacto de la biología molecular en los estudios de la flora canaria

April 17th 2012, Keystone lecture at the "Ciclo de conferencias de la Cátedra UNESCO para la conservación de la biodiversidad vegetal en Macaronesia y el Oeste de África", Gabinete Literario de Las Palmas (Spain)

Botas, batas, bytes y corbatas: realidades y necesidades para la gestión del conocimiento sobre la diversidad genética de la biodiversidad

November 30th 2011, Keystone lecture at the Meeting "Oportunidades, Necesidades y Experiencias en el campo de la Informática aplicada a la conservación de la Biodiversidad", Instituto Tecnológico de Canarias, Las Palmas de Gran Canaria (Spain).

La hipótesis del singameón surfista y la diversidad genética de la flora canaria

October 17th 2011, IV Maratón Científico, Real Jardín Botánico de Madrid-CSIC, Madrid (Spain)

Análisis de la variabilidad genética de las poblaciones en un contexto de cambio global

October 7th 2011, Keystone lecture at the "Reunión científica Bancos de Germoplasma: reservorios de biodiversidad", León (Spain)

La información húmeda, la información a secas, y la conservación del conocimiento necesario para la conservación de la biodiversidad: ejemplos insulares, implicaciones globales

30th September 2011, Keystone lecture at the Vth congress of the "Sociedad Española de Biología de la Conservación de Plantas", Universitat de les Illes Balears (Es Mercadal, Menorca, Spain)

El sistema de información T4-Demiurge, hacia un estándar para datos genéticos poblacionales (with Izzat Sabbagh Rodríguez)

14th July 2011. I Encuentro Nacional de Conservación Genética en Plantas (Las Palmas de Gran Canaria, Spain)

The surfing syngameon hypothesis: implications for the genetic and taxonomic diversities of the present Canarian flora

16 March 2011, Keystone lecture at the "Fundación Amurga International conferences on Island Biodiversity", Gabinete Literario de Las Palmas (Spain)

Past and emerging ideas on the evolution, genetic diversity and conservation of the Canarian flora

December 16th 2010. Universidade de Porto (Portugal)

Conservació de flores insulars: gens, plantes, illes i jardins botànics

November 10th 2010, Jardí Botànic de València (Spain)

Present and emerging ideas on the post-colonising evolution of the Canarian flora, and the role of the website Demiurge for their further enhancement

October 20th 2010, Natural History Museum, London (United Kingdom)

Demiurge (<http://www.demiurge-project.org/>): ampliando el conocimiento sobre la diversidad genética de la biodiversidad"

October 15th 2010, IV Maratón Científico, Real Jardín Botánico de Madrid-CSIC (Spain)

La flora endémica del P.N. de Garajonay bajo la molecular: El código de barras molecular como herramienta taxonómica

October 7th 2010, Jornadas de investigación en la Red de Parques Nacionales, Camaleño (Cantabria) Ministerio de Medio Ambiente y Medio Rural y Marino (Spain)

Conserving the existing knowledge on biodiversity's genetic diversity: implications for the conservation of the Macaronesian floras

September 23rd 2010. Symposium Floramac 2010 (Ponta Delgada, Açores) Universidade dos Açores en Ponta Delgada (Açores, Portugal)

The status of plant conservation on the Macaronesian archipelagos

June 17th, 4th Global Botanic Gardens Meeting, Dublin (Ireland).

Jardins Botànics e a Conservação da Flora da Macaronésia

April 30th 2010. Auditório do Museu - Casa da Luz (Funchal, Madeira), 50º aniversario do Jardim Botânico da Madeira - Engenheiro Rui Vieira (Portugal)

Impacto y adaptación de las especies vegetales y los ecosistemas terrestres al cambio climático

November 25th 2009, Jornadas "Cambio climático: un presente con el que vivir", Gabinete Literario de Las Palmas de Gran Canaria, Agencia Canaria de Desarrollo Sostenible y Cambio Climático (Spain)

Assessing the applicability of plant DNA barcodes to the Canarian endemic flora

November 7th 2009, Third International Barcode of Life Conference, Mexico City (Mexico)

The Canarian endemic flora as a model to evaluate the applicability of the two plant DNA barcode regions for taxonomic identification in oceanic insular environments

November 6th 2008, Project treeBOL regional co-chairs meeting, The New York Botanical Garden (USA)

Impacto y adaptación de las especies vegetales y los ecosistemas terrestres al cambio climático

October 15th 2008, Desarrollo Sostenible: respuestas regionales al cambio climático, Gabinete Literario de Las Palmas de Gran Canaria, Agencia Canaria de Desarrollo Sostenible y Cambio Climático (Spain)

Marcadores moleculares y Unidades de conservación en Lotus canarios

May 19th 2008, I Workshop para la conservación del pico de fuego y el picocernícalo (Santa Cruz de La Palma). Cabildo de La Palma (Spain)

Agreements and disagreements between molecular and morphological variables: the cases of Canarian endemic Lotus (Fabaceae) and Atractylis (Asteraceae)

January 29th 2008, Workshop: Systematics, population genetics and propagation of Azorean endemic plants, Ponta Delgada, Açores. Universidade dos Açores en Ponta Delgada (Portugal)

Illes afortunades, dades valetudinàries: crítiques a la informació molecular disponible sobre la Flora Canària

November 16th 2007, "IV Jornada d'Avenços en Ecologia: Conservació de la Natura i Ecologia". Centre d'Estudis Avançats de Blanes, CSIC (Spain)

La informació molecular, la multidisciplinarietat i la creativitat en la recerca i la conservació de la Flora Canària

November 16th 2007, "IV Jornada d'Avenços en Ecologia: Conservació de la Natura i Ecologia". Centre d'Estudis Avançats de Blanes, CSIC (Spain)

Prioritats de conservació vers el canvi climàtic

November 15th 2007. Setmana de la Ciència, Blanes. Jardí Botànic Marimurtra – Fundació Carl Faust (Spain)

Marcadores moleculares: tipos, usos, limitaciones

July 13th 2007. Symposium "Genes, genomas y genealogías para la conservación de la biodiversidad". Universidad Internacional Menéndez y Pelayo (Cuenca, Spain)

La aplicación de técnicas moleculares para la conservación ex situ de la variabilidad genética

May 10th 2007, I Curso de conservación de especies canarias, La Laguna (Tenerife). Universidad de La Laguna (Tenerife, Spain)

SOME ORAL PRESENTATIONS IN SYMPOSIA, CONFERENCES & MEETINGS

- Jaén-Molina R, Marrero Á, Fernández-Palacios JM, Franc A, Roca A, **Caujapé-Castells J** (2011) La caracterización molecular de los árboles endémicos canarios como base para la estimación de la Diversidad Filogenética de la Flora Canaria. V Congreso de biología de la conservación de plantas. Es Mercadal (Menorca) 28 September-1 October 2011.
- Soto M, Jaén R, Marrero-Rodríguez Á, **Caujapé-Castells J** (2011) Filogeografía y conservación de endemismos insulares canarios amenazados del género *Ruta* (Rutaceae). V Congreso de biología de la conservación de plantas. Es Mercadal (Menorca) 28 September-1 October 2011.
- Sosa PA, González-Pérez MA, **Caujapé-Castells J**, Catalán P, Robledo-Arnuncio JJ (2011) Resultados y conclusiones del I Encuentro Nacional de Conservación Genética en Plantas. V Congreso de biología de la conservación de plantas. Es Mercadal (Menorca) 28 September-1 October 2011.
- Meloni M, Reid A, **Caujapé-Castells J**, Fernández-Palacios JM, Soto Medina M, Conti E (2011) Are island endemics characterized by low levels of genetic diversity? A case study from the Canary Islands. International Botanical Congress, Melbourne (Australia), 23-30 July 2011.
- Pérez de Paz J, **Caujapé-Castells J** (2010) The allozyme genetic diversity of the Canarian flora: relationships with reproductive, biotic and abiotic factors. Floramac 2010, Ponta Delgada (Azores) 23-25 September 2010.
- Jaén-Molina R, Marrero-Rodríguez Á, Reyes-Betancort A, Santos-Guerra A, Naranjo-Suárez J, **Caujapé-Castells J**. (2010) Are the official plant DNA barcodes reliable markers for the taxonomic identification of the Canarian endemic flora? Floramac 2010, Ponta Delgada (Azores) 23-25 September.
- del Hoyo A, Rosselló JA, Jaén-Molina R, Marrero-Rodríguez A, **Caujapé Castells J** (2010) Comparative phylogeography of two relict Mediterranean and Macaronesian species, *Cneorum tricocon* and *Neochamalea pulverulenta* (Rutaceae) Floramac 2010, Ponta Delgada (Azores) 23-25 September.
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- Caujapé-Castells J**, Santos-Guerra A, Jardim R, Melo J, Bramwell D, Gómes I (2010) The status of plant conservation on the Macaronesian archipelagos. 4th Global Botanic Gardens Meeting, Dublin 13-18 June.
- Caujapé-Castells J**, Pérez de Paz J. (2009) La diversidad aloenzimática de la flora Canaria (II): factores abióticos y gestión de matrices genético poblacionales. IV Congreso de la Sociedad Española de Biología de Conservación de Plantas, Almería 15-18 September.
- Caujapé-Castells J**. (2007) ¿Son artefactos de muestreo los elevados valores de G_{ST} estimados para muchas plantas endémicas canarias? III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
- Soto M, **Caujapé-Castells J**, Roca Salinas A, Bramwell D (2007) La variabilidad genética de dos especies de *Crambe* amenazadas en Canarias: implicaciones para su conservación. III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
- Manent Sintes P, **Caujapé-Castells J**, Alberto F, Serrão E, González Henríquez N (2007) Indicaciones para la conservación genética de *Cymodocea nodosa* en canarias basadas en análisis de microsatélites. III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
- Jaén Molina R, **Caujapé-Castells J**, Reyes Betancort JA, Akhane H, Fernández-Palacios O, Pérez de Paz J, Febles R, Marrero A, Bramwell D. (2007) Filogenia molecular del género *Matthiola* (*Brassicaceae*) basada en secuencias ITS. III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
- Mora Vicente S, **Caujapé-Castells J**, Malo Arrázola J, Pérez de Paz J, Febles R (2007) Diversidad isoenzimática de algunos endemismos leñosos del género *Echium* L. (Boraginaceae) en las islas canarias. III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
- Pérez de Paz J, Fernández-Palacios O, **Caujapé-Castells J**, Olangua Corral M, Febles R. (2007) Biología reproductiva, filogenia, diversidad genética y poblaciones naturales en las islas canarias y situaciones continentales. III Congreso de la Sociedad Española de Biología de Conservación de Plantas, Tenerife 25-28 September.
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- Caujapé-Castells J**, Oliva-Tejera F, Navarro-Déniz J, Acebes-Ginovés JR, Bramwell D, Reyes-Betancort A, Naranjo-Suárez J, Navarro-Valdivielso B. (2006) Evolutionary relationships among several endemic Canarian *Lotus* of section *Pedrosia* as inferred from allozyme data. American Society of Plant Taxonomists Meeting, Chico (California), 28th July-3rd August.
- Caujapé-Castells J**, Cabrera-García R., Jaén-Molina R. (2005) El Banco de DNA del Jardín Botánico Canario "Viera y Clavijo": Filosofía y organización. VIII Simposio de la Asociación Ibero-Macaronésica de Jardines Botánicos, Las Palmas de Gran Canaria 24-26 February.
- Caujapé-Castells J. (2002)** ¿Boomerangs de biodiversidad?: El intercambio genético entre las islas Canarias y el continente africano según el modelo de *Androcymbium* Willd. (Colchicaceae). I Congreso de Biodiversidad. Jardí Botànic de Valencia. September.
- Caujapé-Castells J**, Vicens M, Gradaille JL (2002) La variación genética poblacional de las especies de *Matthiola* R. Br. en Baleares. I Congreso de Biodiversidad. Jardí Botànic de Valencia. September.
- Caujapé-Castells J. (2002)** La diversidad genética a las duras y a las maduras: la relación entre *Androcymbium gramineum* y las catástrofes naturales. I Congreso de Biodiversidad. Jardí Botànic de Valencia. September.
- Fernández-Palacios O, Pérez de Paz J, Febles R, **Caujapé-Castells J (2002)** Biodiversidad genética del género endémico canario, *Parolinia* Webb (Cruciferae) I Congreso de Biodiversidad. Jardí Botànic de Valencia. September.
- Suárez C, Febles R, Pérez de Paz J, **Caujapé-Castells J (2002)** Sistemas de cruzamiento y diversidad genética de *Limonium dendroides* Svent. (Plumbaginaceae), un endemismo canario en peligro de extinción I Congreso de Biodiversidad. Jardí Botànic de Valencia. September.
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SOME RECENT AND ONGOING PROJECTS

Project title: ISLAND-BIODIV: Understanding biodiversity dynamics in tropical and subtropical islands as an aid to science based conservation action.

Funding agency: Netbiome joint call (European Union)

PI: Brent Emerson (IPNA-CSIC)

Principal Investigator of the Gran Canarian sub-project: Juli Caujapé Castells

Participating Institutions: IPNA-CSIC (Tenerife), Universidad de la Laguna, Université de La Réunion, Université Paul Sabatier (Narbonne), Universidade dos Azores, Jardín Botánico Canario "Viera y Clavijo"-UA CSIC (Gran Canaria).

Since: 2012 to: 2014 Amount funded to Gran Canarian Group: 67.000 Euros

Number of participating researchers in the Gran Canarian group: 2 (plus 2 to be sub-contracted)

Project title: INSULARITIES: Genetic structure of plant endemisation on continental and oceanic islands of the Mediterranean hotspot (CGL 2010-22347-C02-02)

Funding agency: Ministerio de Ciencia e Innovación (Spanish Ministry of Science and Innovation)

Principal Investigator of the Canarian sub-project: Juli Caujapé Castells

Participating Institutions: Jardín Botánico Canario "Viera y Clavijo", Universitat de València, Jardí Botànic Marimurtra (Blanes), Natural History Museum London

Since: 2010 to: 2013 Amount funded: 116.000 Euros

Number of participating researchers: 5

Project title: ENCLAVES: Floristic links between the Canaries and the mainland "Macaronesian enclave" in Morocco

Funding agency: Programa Cooperación Transfronteriza (España-Fronteras Exteriores)

Principal Investigator: Juli Caujapé Castells

Participating Institutions: Jardín Botánico Canario "Viera y Clavijo", Centre Horticole d'Agadir (Morocco)

Since: 2010 to: 2013 Amount funded: 533.411,47 Euros

Number of participating researchers: 7

Project title: Vicariance and the evolution of insular floras

Funding agency: The Royal Society of London

Co-Principal Investigators: Mark A. Carine, Juli Caujapé-Castells

Participating Institutions: Natural History Museum (London), Jardín Botánico Canario "Viera y Clavijo", Jardín de Aclimatación de La Orotava

Since: 2009 to: 2012 Amount funded: 10.036 £

Number of participating researchers: 4

Project title: Molecular identification of the Canarian endemic trees: a step towards estimating the phylogenetic signal in the Canarian Flora (arBOL-Can)

Funding Agency: Agencia Canaria de Investigación, Innovación y Sociedad de la Información. Gobierno de Canarias

Principal Investigator: Juli Caujapé Castells

Participating Institutions: Jardín Botánico Canario "Viera y Clavijo"

Since: 2009 to: 2012 Amount funded: 42.000 Euros

Number of participating researchers: 4

Project title: Grupo de investigación consolidado sobre "Biología evolutiva de plantas Mediterrànes"
 Funding Agency: Generalitat de Catalunya
 Principal Investigator: María Mayol
 Participating Institutions: CREAL, Jardí Botànic Marimurtra, CIFOR-INIA, Jardín Botánico Canario "Viera y Clavijo"
 Since: 2009 to: 2012 Amount funded: 57.200 Euros
 Number of participating researchers: > 20

Project title: DEMIURGO: Population genetic information banks and meta-análisis of the Macaronesian Flora
 Funding Agency: Programa de Cooperación Transnacional Madeira-Açores-Canarias
 Principal Investigator: Juli Caujapé Castells
 Participating Institutions: Jardín Botánico Canario "Viera y Clavijo", Universidade dos Açores en Ponta Delgada, Universidad de Las Palmas de Gran Canaria, Instituto Tecnológico de Canarias
 Since: 2009 to: 2012 Amount funded: 814.377,87 Euros
 Number of participating researchers: > 10

Project title: BIOCLIMAC: Biotechnology and plant conservation in the face of climate change
 Funding Agency: Programa de Cooperación Transnacional Madeira-Açores-Canarias
 Principal Investigator: Alicia Roca Salinas
 Participating Institutions: Jardín Botánico Canario "Viera y Clavijo", Jardim Botânico da Madeira, Associação para o Desenvolvimento Local de Ilhas dos Açores
 Since: 2009 to: 2012 Amount funded: 956.117,00 Euros
 Number of participating researchers: > 10

HONORS

- Member, Scientific Committee, V Congreso de Biología de la Conservación de Plantas (Menorca, Es Mercadal), 28 September 1 October 2011
- President, Scientific Committee, Fundación Amurga International conferences on Island Biodiversity 2011 (Las Palmas de Gran Canaria)
- European co-chair (with Dr. Felix Forest), Tree-BOL Project, Alfred P. Sloan Foundation & The New York Botanical Garden (USA), 2008 to 2010
- Delegate, Grupo Consultivo del Plan Nacional de Poblaciones Amenazadas, Ministerio de Medio Ambiente, since 2007
- Delegate, Plant Conservation and Climate Change Committee, Botanic Gardens Conservation International (BGCI), Grupo de Gran Canaria, since 2006
- Award of "Trayectoria investigadora internacional destacada sobre la calidad y actividad científico-tecnológica desarrollada", Ministry of Science and Technology, December 19th 2005
- President, Scientific Committee, Fundació Karl Faust – Jardí Botànic Marimurtra (Blanes, Girona, Spain), since 2004
- Member of 16 PhD committees in Spain and Portugal (since 2002)

OTHER PROFESSIONAL ACTIVITIES

- Reviewer for several regional, national and international research agencies.
- Reviewer for > 25 national and international research agencies
- Reviewer for impact journals on plant biogeography, phylogenetics, population genetics and conservation (e. g., *American Journal of Botany*, *Biochemical Systematics and Ecology*, *Taxon*, *Journal of Biogeography*, *Molecular Phylogenetics and Evolution*, *Molecular Ecology*, *Plant Systematics and Evolution*, *Institut Català d'Història Natural*, *Canadian Journal of Botany*, *Botanical Journal of the Linnean Society*, *Botany*,...)
- >30 invited lectures in Europe, Africa, Asia and the USA on phylogenetics, population genetics or conservation of insular plants.
- Co-directed 2 PhD (defended in 2001 at the Universitat de Barcelona and at 2012 at the Universidad de La Laguna), presently co-directing 2 PhDs.