

## 7. Bibliografía



- ADLER, I., D. BARABE & R.V. JEAN. 1997. A history of the study of phyllotaxis. *Annals of Botany* 80: 231-244.
- AINSWORTH, C. 2000. Boys and girls come out to play: The molecular biology of dioecious plants. *Annals of Botany* 86: 211-221.
- ALBERT, V. A., M. H. GUSTAFSSON & L. DI LAURENZIO. 1998. Ontogenetic systematics, molecular developmental genetics, and the Angiosperm petal. *In*: D. Soltis, P. Soltis & J. Doyle [eds.], *Molecular Systematics of Plants II*, Chapter 12, 349-374. Kluwer Academic Press, Boston.
- ALISCIONI, S. S., L. M. GIUSSANI, F. O. ZULOAGA & E. A. KELLOGG. 2003. A molecular phylogeny of *Panicum* (Poaceae: Paniceae): Test of monophyly and phylogenetic placement within the Panicoideae. *American Journal of Botany* 90: 796-821.
- ALLRED, K. W. 1982. Describing the Grass Inflorescence. *Range Management* 35: 672-695.
- AMBROSE, B. A., D. R. LERNER, P. CICERI, C. M. PADILLA, M. F. YANOFSKY & R. J. SCHMIDT. 2000. Molecular and Genetic analyses of the *silky1* gene reveal conservation in floral organ specification between eudicots and monocots. *Molecular Cell* 5: 569-579.
- ANGENENT, G. C., J. FRANKEN, M. BUSSCHER, A. VAN DIJKEN, J. L. VAN WENT, H. J. DONS & A. J. VAN TUNEN. 1995. A novel class of MADS box genes is involved in the ovule development in *Petunia*. *Plant Cell* 7: 1569-1582.
- ANTON, A. 1983. Estudios sobre la biología reproductiva de *Axonopus fissifolius* (Poaceae). *Boletín de la Sociedad Argentina de Botánica* 21: 81-130.
- ARRIAGA, M. O. 2000. Austral South American Species of *Eriochloa*. *In*: S.W.L. Jacobs & L. Everett [eds.], *Grasses: Systematics and Evolution*, 141- 148. CSIRO, Melbourne, Australia.
- BALDWIN, B. G. & M. J. SANDERSON. 1998. Age and rate of diversification of the Hawaiian silversword alliance (Compositae). *Proceedings of the National Academy of Sciences of United States of America* 95: 9402-9406.
- BEAUVOIS, P. 1812. *Urochloa*. *Essai d'une Nouvelle Agrostographie* 11, 52
- BECKER, A. & G. THEISSEN. 2003. The major clades of MADS-box genes and their role in the development and evolution of flowering plants. *Molecular Phylogenetic and Evolution* 29: 464-89.
- BENTHAM, G. 1878. *Flora Australiensis*. 7: 449-670.
- BENTHAM, G. & J. D. HOOKER. 1883. Gramineae. *In*: *Genera Plantarum*, Vol. 3., Reeve, London.

- BESS, E. C., A. N. DOUST & E. A. KELLOGG. 2005. A naked grass in the "Bristle Clade": A phylogenetic and developmental study of *Panicum* section *Bulbosa* (Paniceae: Poaceae). *International Journal of Plant Sciences* 166: 371-381.
- BONNETT, O. T. 1948. Ear and tassel development in maize. *Annals of the Missouri Botanical Garden* 35: 269-287.
- BROWN, R. 1810. Prodrromus Florae Novae Hollandiae et Insulae Van-Die-men, vol. 1, VIII, 145-592. J. Johnson, London, UK.
- BROWN, R. 1814. General remarks, geographical and systematical, on the botany of Terra Australis. In: M. Flinders [ed.], A voyage to Terra Australis, undertaken for the purpose of completing the discovery of that vast country, and prosecuted in the years 1801, 1802, and 1803, vol. 2, 533-613. W. Bulmer, London, UK.
- BROWN, W.V. 1958. Leaf anatomy in grass systematics. *Botanical Gazette (Crawfordsville)* 119 (3): 170-178.
- BRUMMIT, R. K. 1998. Report of the Committee for Spermatophyta: 47. *Taxon* XLVII: 869-870.
- BURKART A. 1969. Flora ilustrada de Entre Ríos (Argentina). Parte II: Gramíneas. Ed. I.N.T.A, Buenos Aires, Argentina
- BUZGO, M., D. E. SOLTIS, P. S. SOLTIS & H. MA. 2004. Towards a comprehensive integration of morphological and genetic studies of floral development. *Trends Plant Science* 9: 164-173.
- CACHARRÓN, J., H. SAEDLER & G. THEISSEN. 1999. Expression of MADS box genes MM8 and ZMM14 during inflorescence development of *Zea mays* discriminates between the upper and the lower floret of each spikelet. *Development Genes Evolution* 209: 411-420.
- CÁMARA HERNÁNDEZ, J. 2001. Morfología de la inflorescencia de *Digitaria sanguinalis* (L.) Scop. (Poaceae). *Boletín de la Sociedad Argentina de Botánica* 36: 87-95.
- CÁMARA HERNÁNDEZ, J. & G. H. RUA. 1991. The synflorescence of Poaceae. *Beiträge zur Biologie der Pflanzen* 66: 297-311.
- CÁMARA HERNÁNDEZ, J. & A. MIANTE – ALZOGARAY. 1994. Polytely: a general character in Poaceae. *Beiträge zur Biologie der Pflanzen* 68: 249-261.
- CARO, J. A. 1982. Sinopsis taxonómica de las gramíneas argentinas. *Dominguezia* 4: 1-51.

- CHANDERBALL, A. S., H. VAN DER WERFF & S. S. RENNER. 2001. Phylogeny and Historical Biogeography of Lauraceae: Evidence from the Chloroplast and Nuclear Genomes. *Annals of the Missouri Botanical Garden* 88: 104-134.
- CHASE, A. 1911. Notes on genera of Paniceae. V. *Proceedings of the Biological Society of Washington* 24: 103-160.
- CHASE, A. 1920. The North American species of *Brachiaria*. *Contribution from United States National Herbarium* 22: 33-43.
- CHENG, P.C., GREYSON, R.I. & D.B. WALDEN. 1983. Organ initiation and the development of unisexual flowers in the tassel and ear of *Zea mays*. *American Journal of Botany* 70: 450-462.
- CHUCK, G. & S. HAKE. 2005. Regulation of development transitions. *Current Opinion in Plant Biology* 8: 67-70.
- CHUNG, Y. Y., S. R. KIM, D. FINKEL, M. F. YANOFSKY & G. AN. 1994. Early flowering and reduced apical dominance result from ectopic expression of a rice MADS box gene. *Plant Molecular Biology* 26: 657-65.
- CIALDELLA, A. M. & A. S. VEGA. 1996. Estudios sobre la variación estructural de las espiguillas en géneros de la tribu Paniceae (Poaceae). *Darwiniana* 34: 173-182.
- CLARK, L. G., W. ZHANG & J. F. WENDEL. 1995. A phylogeny of the grass family (Poaceae) based on ndhF sequence data. *Systematic Botany* 20: 436-460.
- CLARK, L. G., M. KOBAYASHI, S. MATHEWS, R. E. SPANGLER & E. A. KELLOG. 2000. The Puelioideae, a new subfamily of Poaceae. *Systematic Botany* 25: 181-187.
- CLAYTON, W. D. 1979. Some new African Grasses. *Kew Bulletin* 34: 557-559.
- CLAYTON, W.D. 1981. Evolution and distribution of grasses. *Annals of the Missouri Botanical Garden* 68: 5-14
- CLAYTON, W. D. & S. A. RENVOIZE. 1982. Flora of Tropical East Africa: Gramineae, part 3, 451-898. A. A. Balkema, Rotterdam.
- CLAYTON, W. D. & S. A. RENVOIZE. 1986. Genera Graminum Grasses of the World. *Kew Bulletin, Add. Ser.* 13: 1-389.
- CLIFFORD, H.T. 1987. Spikelet and floral morphology. In: T.R. Soderstrom, K.W. Hilu, C.S. Campbell & M.E. Barkworth, [eds.], *Grass Systematics and Evolution*, 21-30, Smithsonian Institution Press, Washington, D.C.

- COLASANTI, J., Z. YUAN & S. VENKATESAN. 1998. The indeterminate gene encodes a zinc finger protein and regulates a leaf-generated signal required for the transition to flowering in maize. *Cell* 93: 593-603.
- COLOMBO, L., J. FRANKEN, E. KOETJE, J. VAN WENT, H. DONS, G. ANGENENT & A. TUNEN. 1995. The *Petunia* MADS box gene FBP11 determines ovule identity. *Plant Cell* 7: 1859-1868.
- COLUMBUS, J.T. 1999. An expanded circumscription of *Bouteloua* (Gramineae: Chloridoideae): new combinations and names. *Aliso* 18: 61-65.
- CRISCI, J.V. & M.F. LÓPEZ ARMENGOL. 1983. Introducción a la teoría y práctica de la taxonomía numérica. Secretaría general de la organización de los Estados americanos, Washington D.C., USA.
- CUMMINGS, M. P., L. M. KING, & E. A. KELLOGG. 1994. Slipped strand mispairing in a plastid gene: rpoC2 in grasses (Poaceae). *Molecular Biology and Evolution* 11: 1-8.
- DANCKWERTS, J. E. & N. M. TAINTON. 1993. Range management: optimizing forage production and quality. Proceedings XVII International Grassland Congress, Keeling & Mundy Ltd., Palmerston North, New Zealand. 843-850
- DAVIDSE, G. 1987. Fruit dispersal in the Poaceae. In: T.R. Soderstrom, K. W. Hilu, C. S. Campbell & M. E. Barkworth [eds.], Grass Systematics and Evolution, 143-155. Smithsonian Inst. Press, Washington, D.C.
- DAVIDSE, G. 1993. Poaceae. In: L. Brako & J.L. Zarucchi, [eds.], Catalogue of the Flowering Plants and Gymnosperms of Peru. Monogr. Syst. Botany, Missouri Botanical Garden 45, 1258.
- DAVIS, J. I. & R. J. SORENG. 1993. Phylogenetic structure in the grass family (Poaceae) as inferred from chloroplast DNA restriction site variation. *American Journal of Botany* 81: 1444-1454.
- DAVIS, C. C., C. D. BELL, S. MATHEWS & M. J. DONOGHUE. 2002. Laurasian migration explains Gondwanan disjuncts: Evidence from Malpighiaceae. *Proceedings of the National Academy of Sciences of United States of America* 99: 6833-6837.
- DELONG, A, A. CALDERON-URREA & S. L. DELLAPORTA. 1993. Sex determination gene TASSELSEED2 of maize encodes a short-chain alcohol dehydrogenase required for stage-specific floral organ abortion. *Cell* 74: 757-768.

- DITTA, G., A. PINYOPICH, P. ROBLES, S. PELAZ, & M. F. YANOFSKY. 2004. The SEP4 gene of *Arabidopsis thaliana* functions in floral organ and meristem identity. *Current Biology* 14: 1935-40.
- DOEBLEY, J., M. DURBIN, D. M. GOLENBERG, M. T. CLEGG & DIN POW MA. 1990. Evolutionary analysis of the large subunit of carboxylase (rbcL) nucleotide sequence among the grasses (Gramineae). *Evolution* 44: 1097-1108.
- DONOGHUE, M. J. & B. R. MOORE. 2003. Toward an Integrative Historical Biogeography. *Integrative and Comparative Biology* 43: 261-270.
- DOUST, A. N. & E. A. KELLOGG. 2002a. Integrating phylogeny, developmental morphology and genetics: a case study of inflorescence evolution in the "bristle grass" clade (Panicoideae: Poaceae). In: Q. C. B. Cronk, R. M. Bateman & J. A. Hawkins [eds], *Developmental Genetics and Plant Evolution*, 298-314. Taylor & Francis, London, UK.
- DOUST, A. N. & E. A. KELLOGG. 2002b. Inflorescence diversification in the panicoid "bristle grass" clade (Paniceae, Poaceae): evidence from molecular phylogenies and developmental morphology. *American Journal of Botany* 89: 1203-1222.
- DOUST, A. N. & A. N. DRINNAN. 2004. Floral development and molecular phylogeny support the generic status of *Tasmannia* (Winteraceae). *American Journal of Botany* 91: 321-331.
- DOUST, A. N., K. M. DEVOS, M. D. GADBERRY, M. D. GALE & E. A. KELLOGG. 2005. The genetic basis for inflorescence variation between foxtail and green millet (Poaceae). *Genetics* 169: 1659-1672.
- DOYLE, J. J. & J. L. DOYLE. 1987. A rapid DNA isolation procedure for small quantities of fresh leaf tissue. *Phytochemical Bulletin* 19: 11-15.
- DOYLE, J. A. & A. LE THOMAS. 1997. Phylogeny and geographic history of Annonaceae. *Geographie Physique et Quaternaire* 51: 353-361.
- DUVALL, M. R. & B. R. MORTON. 1996. Molecular phylogenetics of Poaceae: An expanded analysis of rbcL sequence data. *Molecular Phylogenetic and Evolution* 5: 352-358.
- DUVALL, M. R., J. D. NOLL & A. H. MINN. 2001. Phylogenetics of Paniceae (Poaceae). *American Journal of Botany* 88: 1988-1992.
- EHLERINGER, J. R. 1993. Evolutionary and ecological aspects of photosynthetic pathway variation. *Annual Review of Ecology and Systematics* 24: 411-439.

- FAVARO, R., A. PINYOPICH, R. BATTAGLIA, M. KOOIKER, L. BORGHI, G. DITTA, M. F. YANOFSKY, M. M. KATER & L. COLOMBO. 2003. MADS-box protein complexes control carpel and ovule development in *Arabidopsis*. *Plant Cell* 15: 2603-2611.
- FONT QUER, P. 1993. Diccionario de botánica. Labor, Barcelona.
- FORCE, A., M. LYNCH, F. B. PICKETT, A. AMORES, Y. L. YAN & J. POSTLETHWAIT. 1999. Preservation of duplicate genes by complementary, degenerative mutations. *Genetics* 151: 1531-1545.
- FRANK, L. 1998. Análisis del sistema de ramificación del complejo *Brachiaria-Urochloa* (Poaceae–Paniceae), Tesis. Universidad de Buenos Aires, Buenos Aires.
- FRASER, J. E. & G. KOKKO. 1993. Panicle, spikelet, and floret development in orchard grass (*Dactylis glomerata*). *Canadian Journal of Botany* 71: 523-532
- FRIEDMAN, J. & L. D. HARDER. 2005. Functional Associations of floret and inflorescence traits among grass species. *American Journal of Botany* 92: 1862-1870.
- GAUT, B.S. & J.F. DOEBLEY. 1997. DNA sequence evidence for the segmental allotetraploid origin of maize. *Proceedings of the National Academy of Sciences of United States of America* 94: 6809-6814.
- GIRALDO-CAÑAS, D. 2000. Estudios sobre la variación estructural de la sinflorescencia en el género *Axonopus* (Poaceae, Panicoideae, Paniceae): Tipología y Tendencias evolutivas. *Darwiniana* 38: 209-218.
- GIUSSANI, L. M., J. H. COTA-SÁNCHEZ, F. O. ZULOAGA & E. A. KELLOGG. 2001. A molecular phylogeny of the grass subfamily Panicoideae (Poaceae) shows multiple origins of C4 photosynthesis. *American Journal of Botany* 88: 1935-1944.
- GOEBEL, K. 1931. Blütenbildung und Sprobgestaltung. 2 Erg. Bd. zur Organographie der Pflanzen. Jena. Obra no vista; cita tomada de BUTZIN (1979).
- GOLOBOFF, P.A. 1998. Principios básicos de la cladística. Sociedad Argentina de Botánica, Buenos Aires, Argentina.
- GOLOBOFF, P. A., J. FARRIS & K. NIXON. 2003. TNT: Tree analysis using new technology. Program and documentation, available from the authors, and at [www.zmuc.dk/public/phylogeny](http://www.zmuc.dk/public/phylogeny).
- GÓMEZ-MARTINEZ, R., & A. CULHAM. 2000. Phylogeny of the subfamily Panicoideae with emphasis on the Tribe Paniceae: evidence from the TRNL-F CPDNA region. In: S.W.L. Jacobs & L. Everett [eds.], *Grasses: Systematics and Evolution*, 136-140. CSIRO, Melbourne, Australia.

- GOTO, K., J. KYOSUKA & J. L. BOWMAN. 2001. Turning floral organs into leaves, leaves into floral organs. *Current Opinion in Genetics and Development* 11: 449-456.
- GOULD, F. W. & R. B. SHAW. 1983. Grass Systematics. Texas, A & M. University, New York, USA.
- GRASS PHYLOGENY WORKING GROUP. 2001. Phylogeny and subfamilial classification of the grasses (Poaceae). *Annals of the Missouri Botanical Garden* 88: 373-457.
- GRISEBACH, A.H.R. 1853. *Brachiaria*. In: F.K. Ledebour [ed.], Fl. Ross. Sumtibus Librariae E. Schweizerbart, Stuttgartiae 4, 469.
- HACKEL, E. 1887. Gramineae. In: A. Engler, & K. Prantl [eds.], Die Natürlichen Pflanzenfamilien, Teil II, Abteilung 2, Engelmann: Leipzig.
- HATTERSLEY, P. W. 1992. C<sub>4</sub> photosynthetic pathway variation in grasses (Poaceae): its significance for arid and semi-arid lands. In: G. Chapman [ed.], Desertified Grasslands: their Biology and Management, 181-212. London Academic Press, London, UK.
- HEMPEL, F. D. & L. J. FELDMAN. 1994. Bi-directional inflorescence development in *Arabidopsis thaliana*: Acropetal initiation of flowers and basipetal initiation of paraclades. *Planta* 192: 276-286.
- HENRARD, J.T. 1941. Notes on the nomenclature of some grasses. *Blumea* 3: 411-480.
- HILU, K. W., I. A. ALICE & H. LIANG. 1999. Phylogeny of Poaceae inferred from matK sequences. *Annals of the Missouri Botanical Garden* 86: 835-851.
- HITCHCOCK, A. S. 1950 [revisada por A. Chase] Manual of the Grasses of the United States. U.S. Dept of Agric., Misc. Publ. No. 200. Govt. Printing Office. Washington D.C.
- HONFI, A. I., C. L. QUARÍN & J. F. VALLS. 1990. Estudios cariológicos en gramíneas sudamericanas. *Darwiniana* 30: 87-94.
- HONMA, T. & K. GOTO. 2001. Complexes of MADS-box proteins are sufficient to convert leaves into floral organs. *Nature* 409: 525-529.
- HSIAO, C. S., W. L. JACOBS, N. J. CHATTERTON & K.H. ASSAAY. 1999. A molecular phylogeny of the grass family (Poaceae) based on the sequences of nuclear ribosomal DNA (ITS). *Australian Systematic Botany* II: 667-688.
- HUELSENBECK, J.P. & F. RONQUIST. 2001. MTBAYES: Bayesian inference of phylogeny. *Bioinformatics* 17: 754-755.



- HUGHES, D.K. 1923. The genus *Panicum* of the Flora Australiensis. *Kew Bulletin Miscelaneous Inform* 9: 305-314.
- IKEDA, K., H. SUNOHARA & Y. NAGATO. 2004. Developmental course of inflorescence and spikelet in rice. *Breeding Science* 54: 147-156.
- IKEDA, K., N. NAGASAWA & Y. NAGATO. 2005. ABERRANT PANICLE ORGANIZATION 1 temporally regulates meristem identity in rice. *Developmental Biology* 282: 349-360.
- IRISH, E. E. 1998. Grass spikelets: A thorny problem. *BioEssays* 20: 789-793.
- IRISH, E. E. & T. M. NELSON. 1993. Development of tassel seed 2 inflorescences in maize. *American Journal of Botany* 80: 292-299.
- IRISH, E.E, J. A. LANGDALE & T. M. NELSON. 1994. Interactions between tassel seed genes and other sex determining genes in maize. *Developmental Genetics* 15: 155-171.
- IRISH, V. F. 2000. Variations on a theme: flower development and evolution. *Genome Biology* 1: 1015.1-1015.4.
- ITOH, J-I, A. HASEGAWA, H. KITANO & Y. NAGATO. 1998. A recessive heterochronic mutation, *platochron1*, shortens the *plastochron* and elongates the vegetative phase in rice. *Plant Cell* 10: 1511-1521.
- ITOH, J-I, K. NONOMURA, K. IKEDA, S. YAMAKI, Y. INUKAI, H. YAMAGISHI, H. KITANO & Y. NAGATO. 2005. Rice plant development: From zygote to spikelet. *Plant Cell and Physiology* 46: 23-47.
- JACK, T. 2004. Molecular and genetic mechanisms of floral control. *The Plant Cell* 16: S1-S17.
- JACOBS, B.F., J. D. KINGSTON & I. I. JACOBS. 1999. The origin of grass-dominated ecosystems. *Annals of the Missouri Botanical Garden* 86: 590-643.
- JAQUES-FELIX, H. 1962. Les Graminées (Poaceae) d'Afrique Tropicale. I. Généralités, classification, description des genres. Bulletin Scientifique N° 8, pp. 345. Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières.
- JEANMOUGIN, F., J. D. THOMPSON, M. GOUY, D. G. HIGGINS & T. J. GIBSON. 1998. Multiple sequence alignment with Clustal X. *Trends in Biochemical Sciences* 23: 403-405.
- JEON, J. S., S. JANG, S. LEE, J. NAM, C. KIM, S. H. LEE, Y. Y. CHUNG, S. R. KIM, Y. H. LEE, Y. G. CHO & G. AN. 2000. Leafy hull sterile1 is a homeotic mutation in a rice MADS box gene affecting rice flower development. *Plant Cell* 12: 871-884.

- JOHANSEN, D. A. 1940. Plant microtechnique. McGraw-Hill, New York, New York, USA.
- KELLOGG, E. A. 2000 a. A model of inflorescence development. *In*: L. Wilson & D.A. Morrison [eds.], *Monocots: Systematics and Evolution (K)*, 84-88. CSIRO, Melbourne.
- KELLOGG, E. A. 2000 b. Molecular and morphological evolution in the Andropogoneae. *In*: S. W. L. Jacobs & J. Everett [eds.], *Grasses: systematics and evolution*, 149-158. CSIRO, Collingwood, Australia.
- KELLOGG, E. A. 2001. Evolutionary history of the grasses. *Plant Physiology* 125: 1198-1205.
- KELLOGG, E. A. & C. S. CAMPBELL. 1987. Phylogenetic analysis of the Gramineae. *In*: T. R. Soderstrom, K. W. Hilu, C. S. Campbell & M. E. Barkworth [eds.], *Grass systematics and evolution*, 310-322. Smithsonian Institution Press, Washington, D.C., USA.
- KELLOGG, E. A., K. M. HISER & A. N. DOUST. 2004. Taxonomy, phylogeny and inflorescence development of the genus *Ixophorus* (Panicoideae: Poaceae). *International Journal of Plant Sciences* 165: 1089-1105.
- KIM, M., S. MC KORMICK, M. TIMMERMANS & N. SINHA. 2003. The expression domain of PHANTASTICA determines leaflet placement in compound leaves. *Nature* 424: 438- 443.
- KINGSTON, J.D., B. D. MARINO & A. HILL. 1994. Isotopic evidence for Neogene hominid paleoenvironments in the Kenia Rift Valley. *Science* 264: 955-959.
- KINNEY, M. S., J. T. COLUMBUS & E. A. FRIAR KINGSTON. 2003. Molecular evolution of the maize sex-determining gene TASSELSEED2 in *Bouteloua* (Poaceae). *Molecular Phylogenetics and Evolution* 29: 519-528.
- KOMATSU, M., A. CHUJO, Y. NAGATO, K. SHIMAMOTO & J. KYOZUKA. 2003. FRIZZY PANICLE is required to prevent the formation of axillary meristems and to establish floral meristem identity in rice spikelets. *Development* 130: 3841-3850.
- KOZAKI A., S. HAKE & J. COLASANTI. 2004. The maize ID1 flowering time regulator is a zinc finger protein with novel DNA binding properties. *Nucleic Acids Research* 32: 1710-1720.
- KRAMER E. M., R. L. DORIT & V. F. IRISH. 1998. Molecular evolution of genes controlling petal and stamen development: duplication and divergence within the APETALA3 and PISTILLATA MADS-Box gene lineages. *Genetics* 149: 765-783.
- KRAMER, E. M. & V.F. IRISH. 1999. Evolution of genetic mechanisms controlling petal development. *Nature* 399: 144-148.

- KUNZE, H. 1989. Probleme der Infloreszenztypologie von W. Troll. *Plant Systematics and Evolution* 163: 187-199.
- LAMB, R. S. & V. F. IRISH. 2003. Functional divergence within the PETALA3/PISTILLATA floral homeotic gene lineages. *Proceedings of the National Academy of Sciences of United States of America* 100: 6558-6563.
- LANYON, S. 1985. Detecting internal inconsistencies in distance data. *Systematic Zoology* 34: 397-403.
- LATORRE, C., J. QUADE & W.C. MC INTOSH. 1997. The expansion of C<sub>4</sub> grasses and global change in the late Miocene: Stable evidence from the Americas. *Earth and Planetary Science Letters* 146: 83-96.
- LAURIE, D.A., N. PRATCHETT, K. M. DEVOS, I. J. LEITCH & M. D. GALE. 1993. The distribution of RFLP markers on chromosome 2 (2H) of barley in relation to the physical and genetic location of 5S rDNA. *Theoretical and Applied Genetics* 87: 177-183.
- LAVIN, M. & M. LUCKOW. 1993. Origins and Relationships of Tropical North America in the Context of the Boreotropics Hypothesis. *American Journal of Botany* 80: 1-14
- LAVIN, M., M. THULIN, J-N. LABAT & R. T. PENNINGTON. 2000. Africa, the Odd Man Out: Molecular Biogeography of Dalbergioid Legumes (Fabaceae) Suggests Otherwise. *Systematic Botany* 25: 449-467.
- LE ROUX, L. G & E. A. KELLOGG. 1999. Floral development and the formation of unisexual spikelets in the Andropogoneae (Poaceae). *American Journal of Botany* 86: 354-366.
- LI, D., C. A. BLAKEY, C. DEWALD & S. L. DELLAPORTA. 1997. Evidence for common sex determination mechanism for pistil abortion in maize and in its wild relative *Tripsacum*. *Proceedings of the National Academy of Sciences of United States of America* 94: 4217-4222.
- LINDER, H. P. 1987. The evolutionary history of the Poales/Restionales—a hypothesis. *Kew bulletin*. 42: 297-318.
- LIU, J. & C. SCHARDL. 1994. A conserved sequence in internal transcribed spacer 1 of plant nuclear rRNA genes. *Plant Molecular Biology* 26: 775-778.
- LIU, Q., N. X. ZHAO & G. HAO. 2005. Inflorescence structures and evolution in subfamily Chloridoideae (Gramineae). *Plant Systematics and Evolution* 251: 183-198.

- LÓPEZ-FERRARI, A. R. & A. ESPEJO SERNA. 2000. Nuevas combinaciones en monocotiledóneas mexicanas III (Orchidaceae, Poaceae). *Acta Botánica Mexicana* 51: 61-70.
- MADDISON, D. 1991. The discovery and importance of multiple islands of most parsimonious trees. *Systematic Zoology* 40: 315-328.
- MADDISON, W. P. & D. R. MADDISON. 2003. MacClade, v. 4.0 (release version 4.06). Sinauer Associates, Sunderland, MA, USA.
- MALCOMBER, S. T. & E. A. KELLOGG. 2004. Heterogeneous expression patterns and separate roles of the SEPALLATA gene LEAFY HULL STERILE1 in grasses. *Plant Cell* 16: 1692-1706.
- MALCOMBER, S. T. & E. A. KELLOGG. 2005. SEPALLATA gene diversification: brave new whorls. *Trends in Plant Science* 10: 427-435.
- MALCOMBER S. T. & E. A. KELLOGG. 2006. Evolution of unisexual flowers in grasses (Poaceae) and the putative sex-determination gene, TASSELSEED2(TS2). *New Phytologist* 170: 885-899.
- MALCOMBER, S. T., J. C. PRESTON, R. REINHEIMER, J. KOSSUTH & E. A. KELLOGG. 2006. Developmental gene evolution and the origin of grass inflorescence diversity. *Advances in Botanical Research* 44: 425-481.
- MARESQUELLE, H. J. 1970. Le teme évolutif des complexes d'inflorescence. Son aptitude à susciter des problèmes nouveaux. *Bulletin de la Société botanique de France* 117: 1- 4.
- MATHEWS, S., R. C. TSAI & E. A. KELLOGG. 2000. Phylogenetic structure in the grass family (Poaceae): Evidence from the nuclear gene phytochrome B. *American Journal of Botany* 87: 96-107.
- MATSUO, T. & K. HOSHIKAWA (Eds.). 1993. Science of the Rice Plant. Food and Agriculture Policy Research Center, Tokyo.
- MCCLOUGHLIN, S. 2001. The breakup history of Gondwana and its impact on pre-Cenozoic floristic provincialism. *Australian Journal of Botany* 49: 271-300.
- METCALFE, C. R. 1960. Anatomy of the monocotyledons, I, Gramineae. Oxford University Press, Oxford, UK.
- MONCUR, M. W. 1981. Floral Initiation in Field Crops. CSIRO, Melbourne.
- MORA-OSEJO, L. E. 1987. Estudios morfológicos, autoecológicos y sistemáticos en Angiospermas. Academia Colombiana de Ciencias Exactas, Físicas y Naturales, Ser. J. Alvarez Lleras 1, Bogotá.

- MORLEY, R. J. & CH. W. DICK. 2003. Missing Fossils, Molecular Clocks, and the origin of the Melastomataceae. *American Journal of Botany* 90: 1638-1644..
- MORRONE, O. & F. O. ZULOAGA. 1991. Estudios morfológicos en el subgénero *Dichantherium* de *Panicum* (Poaceae), con especial referencia a *Panicum sabulorum*. *Annals of the Missouri Botanical Garden* 78: 915-927.
- MORRONE, O. & F. O. ZULOAGA. 1992. Revisión de las Especies Sudamericanas Nativas e Introducidas de los Géneros *Brachiaria* y *Urochloa* (Poaceae: Panicoideae: Paniceae). *Darwiniana* 31: 43-109.
- MORRONE, O. & F. O. ZULOAGA. 1993. Sinopsis del género *Urochloa* (Poaceae: Panicoideae: Paniceae) para México y América Central. *Darwiniana* 32: 59-75.
- MORRONE, O & F. O. ZULOAGA. 1999. Novedades para la Flora del Nordeste de la Argentina. *Hickenia* 3: 29-30.
- MORRONE, O., F. O. ZULOAGA, M. O. ARRIAGA, R. POZNER & S. S. ALISCIONI. 1998. Revisión sistemática y análisis cladístico del género *Chaetium* (Poaceae: Panicoideae: Paniceae). *Annals of the Missouri Botanical Garden* 85: 404-424.
- MURRAY, M. G. & W. F. THOMPSON. 1980. Rapid isolation of high molecular weight plant DNA. *Nucleic Acids Research* 8: 4321-4325.
- MÜNSTER, T., W. DELEU, L. U. WINGEN, M. OUZUNOVA, J. CACHARRÓN, W. FAIGL, S. WERTH, J. T. T. KIM, H. SAEDLER & G. THEISSEN. 2002. Maize MADS-box genes galore. *Maydica* 47: 287-301.
- NADOT, S, R. BAJON & B. LEJEUNE. 1994. The chloroplast gene *rps4* as a tool for the study of Poaceae phylogeny. *Plant Systematics and Evolution* 191: 27-38.
- NAM, J., J. KIM, S. LEE, G. AN, H. MA & M. NEI. 2004. Type I MADS-box genes have experienced faster birth-and-death evolution than type II MADS-box genes in angiosperms. *Proceedings of the National Academy of Sciences of United States of America* 101: 1910-1915.
- NASH, G.V. 1903. *Brachiaria*. In: J.K. Small [ed.], *Flora of the Southeastern United States*, 80-81. New York.
- NEIL, E. W. 1993. Biodiversity of grasslands. *Journal Range Management* 46: 2-13.
- NELSON, S. C. H. & C. F. J. FERNÁNDEZ. 1998. De Xora hondurensi notulae, praecipue nomenclaturales. *Fontqueria* 51: 3-4.

- NGUYEN, T.Q. 1966. Novit Syst Plant Vascul. *Acad. Sci. URSS Nauka* 12-14.
- NICORA, E. G. & Z. E. RÚGOLO DE AGRASAR. 1987. Los géneros de gramíneas de América Austral. Hemisferio Sur, Buenos Aires, Argentina.
- OGUNDIPE, O. T. & O. A. OLATUNJI. 1992. Systematic anatomy of *Brachiaria* (Trin.) Griseb. (Poaceae). *Feddes Repertorium* 103: 19-30.
- OHNO, S. 1970. Evolution by Gene Duplication. Allen & Unwin; Springer-Verlag, London, New York.
- ORR, A. R. & M. D. SUNDBERG. 1994. Inflorescence development in a perennial Teosinte: *Zea perennis* (Poaceae). *American Journal of Botany* 81: 598-608.
- ORR, A. R., R. KAPARTHI, C. L. DEWALD & M. D. SUNDBERG. 2001. Analysis of inflorescence organogenesis in eastern gamagrass, *Tripsacum dactyloides* (Poaceae): the wild type and the gynomonocious gsf1 mutant. *American Journal of Botany* 88: 363-381.
- PELAZ, S., G. S. DITTA, E. BAUMANN, E. WISMAN & M. F. YANOFSKY. 2000. B and C floral organ identity functions require SEPALLATA MADS-box genes. *Nature* 405: 200-203.
- PENSIERO, J. F. & A. C. VEGETTI. 2001. Inflorescence typology in *Setaria* P. Beauv. (Poaceae, Paniceae). *Feddes Repertorium* 112: 371-385.
- PERRETA, M. & A. C. VEGETTI. 1998. Tipología de la inflorescencia en *Leptochloa chloridiformis*, *Leptochloa virgata* y *Leptochloa mucronata* (Poaceae). *Kurtziana* 26: 135-144.
- PERRETA, M. & A. C. VEGETTI. 2005. Patrones estructurales en plantas superiores. *Gayana Botánica* 62: 9-19.
- PILGER, R. 1940. Gramineae. III: Unterfamilie Panicoideae. In: A. Engler & K. Prantl [eds.], *Die natürlichen Pflanzenfamilien*, 2nd ed., 14: 1-208. Engelmann, Leipzig, Germany.
- PILGER, R. 1954. Das System der Gramineae. *Botanische Jahrbücher* 76: 281-384.
- POSADA, D. & K. A. CRANDALL. 1998. Modeltest: testing the model of DNA substitution. *Bioinformatics* 14: 817-818.
- PRASAD, K., P. SRIRAM, C. S. KUMAR, K. KUSHALAPPA & U. VIJAYRAGHAVAN. 2001. Ectopic expression of rice OsMADS1 reveals a role in specifying the lemma and palea, grass floral organs analogous to sepals. *Development Genes Evolution* 211: 281-290.

- PRASAD, K. & U. VIJAYRAGHAVAN. 2003. Double-stranded RNA interference of a rice PI/GLO paralog, OsMADS2, uncovers its second-whorl-specific function in floral organ patterning. *Genetics* 165: 2301-2305.
- PRAT, H. 1932. L'épiderme des graminées: étude anatomique et systématique. *Annales des Sciences Naturelles (Paris)* 14: 117-324.
- PRAT, H. 1960. Vers une classification naturelle des graminées. *Bulletin de la Société Botanique de France* 107: 32-79.
- PUTTERILL, J., F. ROBSON, K. LEE, R. SIMON & G. COUPLAND. 1995. The CONSTANS gene of *Arabidopsis* promotes flowering and encodes a protein showing similarities to zinc finger transcription factors. *Cell* 80: 847-857.
- RAUH, W. 1937. Die Bildung von Hypokotyl- und Wurzelsprossen und ihre Bedeutung für die Wuchsformen der Pflanzen. *Nova Acta Leopoldina, Neue Folge* 4: 395-553.
- RAVEN, P. H. 1979. Plate tectonics and southern hemisphere biogeography. In: K. Larsen & L.B. Holm-Nielsen [eds.], *Tropical Botany*, 3-24. Academic Press, New York.
- RAVEN, P. H. & D. I. AXELROD. 1974. Angiosperm biogeography and past continental movements. *Annals of the Missouri Botanical Garden* 61: 539-673.
- REEDER, J. R. 1957. The embryo in grass systematics. *American Journal of Botany* 44: 756-768.
- REEDER, J. R. 1961. The grass embryo in systematics. *Recent Advances Botany* 1: 91-96.
- REEDER, J. R. 1962. The bambusoid embryo: a reappraisal. *American Journal of Botany* 49: 639-641.
- REINHARDT, D. 2005. Phyllotaxis – a new chapter in an old tale about beauty and magic numbers. *Current Opinion in Plant Biology* 8: 487-493.
- REINHARDT, D., E-R. PESCE, P. STIEGER, T. MANDEL, K. BALTENSBERGER, M. BENNET, J. TRAAS, J. FRIML & C. KUHLEMEIER. 2003. Regulation of phyllotaxis by polar auxin transport. *Nature* 426: 255-260
- REINHEIMER, R. & A. C. VEGETTI. 2004. The inflorescence of South American species of *Panicum* subg. *Phanopyrum* sect. *Laxa* (Poaceae: Panicoideae: Paniceae). *Beiträge zur Biologie der Pflanzen* 73: 185-199.
- RENNER, S. S., G. CLAUSING & K. MEYER. 2001. Historical biogeography of Melastomataceae: the roles of Tertiary migration and long-distance dispersal. *American Journal of Botany* 88: 1290-1300.

- RENVOIZE, S. A. & W. D. CLAYTON. 1992. Classification and Evolution of the grasses. In: J. P. Chapman [ed.], *Grass Evolution and Domestication*, 3-37. Cambridge Univ. Press, Cambridge, U.K.
- RICHARDSON, J.E., R. T. PENNINGTON, T. D. PENNINGTON & P. M. HOLLINGSWORTH. 2001a. Rapid diversification of a species-rich genus of neotropical rain forest trees. *Science* 293: 2242-2245.
- RICHARDSON, J.E., F. M. WEITZ, M. F. FAY, Q. C. B. CRONK, H. P. LINDER, G. REEVES, & M. W. CHASE. 2001b. Rapid and recent origin of species richness in the Cape Xora of South Africa. *Nature* 412: 181-183.
- RISSE-PASCOTTO, C., M. S. PAGLIARINI & C. BORGES DO VALLE. 2006. A new basic chromosome number for the genus *Brachiaria* (Trin.) Griseb. (Poaceae: Panicoideae: Paniceae). *Genetic Resources and Crop Evolution* 53: 7-10.
- RONSE DECRAENE, L. P., H. P. LINDER & E. F. SMETS. 2002. Ontogeny and evolution of the flowers of South African Restionaceae with special emphasis on the gynoeceum. *Plant Systematics and Evolution* 231: 225-258.
- RUA, G. H. 1993. The synflorescence of *Paspalidium rarum* (Poaceae) and a alternative hypothesis about the evolution of some poaceous inflorescences. *Australian Systematics Botany* 6: 261-267.
- RUA, G. H. 1996. The inflorescences of *Paspalum* (Poaceae, Paniceae): The Quadrifaria group and the evolutionary pathway towards the fully homogenized, truncated common type. *Plant Systematics and Evolution* 201: 199-209.
- RUA, G. H. 1999. Inflorescencias: bases teóricas para su análisis. Sociedad Argentina de Botánica, Buenos Aires, Argentina.
- RUA, G. H. & I. B. BOCCALONI. 1996. The inflorescence of *Digitaria phaeotrix*: morphological and developmental aspects. *Flora* 191: 117-119.
- RUA, G. H. & F. WEBERLING. 1998. Growth form and inflorescence structure of *Paspalum* L. (Poaceae: Paniceae): a comparative morphological approach. *Beiträge zur Biologie der Pflanzen* 69: 363-431.
- RUDALL, P.J., W. STUPPY, J. CUNNIFF, E. A. KELLOGG & B. G. BRIGGS. 2005. Evolution of reproductive structures in grasses inferred by sister-group comparisons with their putative closest living relatives, Ectociaceae. *American Journal of Botany* 92: 1432-1443.



- RUZIN, S. E. 1999. Plant microtechnique and microscopy. Oxford University Press, New York, New York, USA.
- SAGHAI-MAROOF, M. A., K. M. SOLIMAN, R. A. JORGENSEN & R. W. ALLARD. 1984. Ribosomal DNA spacer-length polymorphisms in barley: Mendelian inheritance, chromosomal location, and population dynamics. *Proceedings of the National Academy of Sciences of United States of America* 81: 8014-8018.
- SALA, O. E. & J. M. PARUELO. 1997. Ecosystem services in grasslands. In: G. C. Dalily [ed.], *Nature's Services: Societal dependence on Natural Ecosystems*, 237-252. Island Press, Washington, D.C
- SCHMIDT, R. J. & B. A. AMBROSE. 1998. The blooming of grass flower development. *Current Opinion Plant Biology* 1: 60-67.
- SEDE, S. M. 2005. Estudios multidisciplinarios en el complejo Galactia- Camptosema-Collaea (Leguminosae). Tesis Doctoral. Universidad de Buenos Aires, Buenos Aires, Argentina.
- SELL, Y. 1976. Tendances évolutives parmi les complexes inflorescentiels. *Revue Generale de Botanique* 83: 247-267.
- SHARP, D. & B.K. SIMON. 2002. AusGrass (CD ROM): Grasses of Australia.
- SHAW, R. B. & F. E. SMEINS. 1984. Additional observations of the callus in *Eriochloa* (Poaceae). *Iselya* 2: 15-19.
- SIMON, B. K. & S. W. L. JACOBS. 2003. *Megathyrsus*, a new generic name for *Panicum* subgenus *Megathyrsus*. *Austrobaileya* 6: 571-574.
- SORENG, R. J. & J. I. DAVIS. 1998. Phylogenetics and character evolution in the grass family (Poaceae): simultaneous analysis of morphological and chloroplast DNA restriction site character sets. *Botanical Review* 64: 1-84.
- STAPF, O. 1914-32. Gramineae. In: D. Oliver [ed.], *Flora of Tropical Africa*, 1-192. Lowell Reeve & Co, London.
- STEBBINS, G. L. & B. CRAMPTON. 1961. A suggested revision of the grass genera of temperate North America. *Recent Advances in Botany* 1: 133-145.
- STÜR, W. W. 1986. Reproductive development of the apex of *Brachiaria decumbens* Stapf. *Annals of Botany* 58: 569-575.

- SUN, Y., D. Z. SKINNER, G. H. LIANG & S. H. HULBERT. 1994. Phylogenetic analysis of *Sorghum* and related taxa using internal transcribed spacers of nuclear ribosomal DNA. *Theoretical and Applied Genetics* 89: 26-32.
- SUNDBERG, M. D., C. LAFARGUE & A. R. ORR. 1995. Inflorescence development in the "standard exotic" maize, Argentine popcorn (Poaceae). *American Journal of Botany* 82: 64-74.
- SUNDBERG, M. D. & A. R. ORR. 1996. Early inflorescence and floral development in *Zea mays* Land Race Chapalote (Poaceae). *American Journal of Botany* 83: 1255-1265.
- SWOFFORD, D. L. 2000. Phylogenetic analysis using parsimony (PAUP) version 4.0b4. Sinauer, Sunderland, Massachusetts, USA.
- TAINTON, N. M., C. D. MORRIS & M. B. HARDY. 1996. Complexity and stability in grazing systems. In: J. Hodgson & A. W. Illius [eds.], *The Ecology and management of grazing systems*, Chapter 10, 275-299. CAB International, Wallingford, UK.
- TAKAHASHI, M., N. NAGASAWA, H. KITANO & Y. NAGATO. 1998. Panicle phytomer1 mutations affect panicle architecture of rice. *Theoretical and Applied Genetics* 96: 1050-1056.
- THEISSEN, G. 2001. Development of floral organ identity: stories from the MADS house. *Current Opinion Plant Biology* 4: 75-85.
- THEISSEN, G., A. BECKER, A. DI ROSA, A. KANNO, J. T. KIM, T. MÜNSTER, K. U. WINTER & H. SAEDLER. 2000. A short history of MADS-box genes in plants. *Plant Molecular Biology* 42: 115-149.
- THEISSEN, G. & H. SAEDLER. 2001. Floral quartets. *Nature* 409: 469-471.
- THOMPSON, J. D., HIGGINS D. G. & GIBSON T.J. 1994. CLUSTALW: improving the sensitivity of progressive multiple alignment through sequence weighting, position specific gap penalties and weight matrix choice. *Nucleic Acids Research* 22: 4673-4680.
- THOMPSON, R. A. & J. R. ESTES. 1986. Anthecial and foliar micromorphology and foliar anatomy of *Brachiaria* (Poaceae: Paniceae). *American Journal of Botany* 73: 398-408.
- THOMPSON, R. A., R. J. TYRL & J. R. ESTES. 1990. Comparative anatomy of the spikelet callus of *Eriochloa*, *Brachiaria* and *Urochloa* (Poaceae, Paniceae, Setariineae). *American Journal of Botany* 77: 1463-1468.
- TORRES GONZÁLEZ, A. M. & C. M. MORTON. 2005. Molecular and morphological phylogenetic analysis of *Brachiaria* and *Urochloa* (Poaceae). *Molecular Phylogenetics and Evolution* 37: 36-44.

- TRINIUS, C. B. 1826. De Graminibus paniceis: Disertatio botanica altera. 125-153. Petropoli, Impendis Academiae Imperialis Scientiarum, St. Petersburg.
- TROLL, W. 1964. Die Infloreszenzen, Typologie und Stellung im Aufbau des Vegetationskörpers 1. Gustav Fischer, Jena.
- TROLL, W. 1966. Botanischer Teil. *In: Kommission für biologische Forschung*, 110-131, Bericht. Jb. 1965. Akademie der Wissenschaften und der Literatur, Mainz.
- TROLL, W. 1969. Botanischer Teil. *In: Kommission für biologische Forschung*, 88-105, Bericht. Jb. 1968. Akademie der Wissenschaften und der Literatur, Mainz.
- TROLL, W. & F. WEBERLING. 1989. Infloreszenzuntersuchungen an monotelen Familien. G. Fischer, Stuttgart.
- TZVELEV, N. N. 1989. The system of grasses (Poaceae) and their evolution. *Botanical Review* 55: 141-204.
- UIMARI, A., M. KOTILAINEN, P. ELOMAA, D. UE, V. A. ALBERT & T. H. TEERI. 2004. Integration of reproductive meristem fates by a SEPALLATA-like MADS box gene. *Proceedings of the National Academy of the United States of America* 101: 15817-15822.
- VANDENBUSSCHE, M., J. ZETHOF, E. SOUER, R. KOES, G. B. TORNIELLI, M. PEZZOTTI, S. FERRARIO, G. C. ANGENENT & T. GERATS. 2003. Toward the analysis of the *Petunia* MADS box gene family by reverse and forward transposon insertion mutagenesis approaches: B, C, and D floral organ identity functions require SEPALLATA-like MADS box genes in *Petunia*. *Plant Cell* 15: 2680-2693.
- VEGETTI, A. C. 1987. Analisis tipológico de las inflorescencia en *Paspalum* (Poaceae). *Kurtziana* 19: 155-160.
- VEGETTI, A. C. 1991. Sobre politelia en las inflorescencias de Poaceae. *Kurtziana* 21: 267-274.
- VEGETTI, A. C. 1999. Typology of the Synflorescence of Andropogoneae (Poaceae), additional comments. *Feddes Repertorium* 110: 111-126.
- VEGETTI, A. C. 2000. Typology of synflorescence in Oryzeae (Poaceae). *Phyton* (Austria) 40: 71-88.
- VEGETTI, A. C. & J. F. PENSIERO. 1990. Inflorescence typology in *Setaria poiretiana* (Schultes) Kunth (Poaceae: Paniceae). *Beiträge zur Biologie der Pflanzen* 65: 313-318.
- VEGETTI, A. C. & J. F. PENSIERO. 1993. Tipología de la inflorescencia en *Panicum* sect. *Panicum*. *Boletín de la Sociedad Argentina de Botánica* 29: 7-10.

- VEGETTI, A. C. & A. M. ANTON. 1995. Some evolution trends in the inflorescence of Poaceae. *Flora* 190: 225-228.
- VEGETTI, A. C. & J. F. PENSIERO. 1999. Tipología de la inflorescencia en *Zizaniopsis* (Oryzaceae-Poaceae). *Darwiniana* 37: 345-349.
- VEGETTI, A. C. & A. M. ANTON. 2000. The Grass Inflorescence. In: S.W.L. Jacobs & L. Everett [eds.], *Grasses: Systematics and Evolution*, 29-31. CSIRO, Melbourne, Australia.
- VEGETTI, A. C. & D. MÜLLER-DOBLIES. 2004. The inhibition areas within the synflorescence of Poaceae. *Beiträge zur Biologie der Pflanzen* 73: 51-74.
- VELDKAMP, J. F. 1996a. Proposal to conserve the name *Brachiaria* (Trin.) Griseb. (Gramineae) with a conserved type. *Taxon* 45: 319- 320.
- VELDKAMP, J.F. 1996b. *Brachiaria*, *Urochloa* (Gramineae-Paniceae) in Malaysia. *Blumea* 41: 413-437.
- VELDKAMP, J.F. 2004. Miscellaneous notes on mainly Southeast Asian gramineae. *Reinwardtia* 12: 135-140.
- VERBOOM, G. A., H. P. LINDER & W. D. STOCK. 2003. Phylogenetics of the grass genus *Ehrharta*: evidence for radiation in the summer-arid zone of the South African Cape. *Evolution* 57: 1008-1021.
- WATSON, L. & M.J. DALLWITZ. 1992. *The Grass Genera of the World*. C.A.B. International, Wallingford, UK.
- WATSON, L. & M. J. DALLWITZ. 1999. *Grass Genera of the World: Descriptions, Illustrations, Identification, and Information Retrieval: Including Synonyms, Morphology, Anatomy, Physiology, Phytochemistry, Cytology, Classification, Pathogens, World and Local distribution, and References*. <http://biodiversityunoedu/delta/> Version 18th August 1999.
- WEBERLING, F. 1965. Typology of inflorescences. *Botanical Journal Linnaean Society* 59: 15-221.
- WEBERLING, F. 1985. Aspectos modernos de la morfología de las inflorescencias. *Boletín de la Sociedad Argentina de Botánica* 24: 1-28.
- WEBERLING, F. 1989. *Morphology of flowers and inflorescences*. Cambridge Univ. Press, Cambridge, UK.

- WEBSTER, R.D. 1987. The Australian Paniceae (Poaceae). 228-255. J. Cramer, Berlin and Stuttgart, Germany.
- WEBSTER, R.D. 1988. General of the North American Paniceae (Poaceae: Panicoideae). *Systematic Botany* 13: 576-609.
- WEIR, C. E. & H. M. DALE. 1960. A developmental study of wild rice, *Zizania aquatica* L. *Canadian Journal of Botany* 38: 719-739.
- WHIPPLE, C. J., M. ZANIS, E. A. KELLOGG & R. J. SCHMIDT. In press. Conservation of B class MADS-box gene expression in the second whorl of a basal grass and outgroups links the origin of lodicules and petals. *Proceedings of the National Academy of the United States of America*.
- WHITTALL, J. B., A. MEDINA-MARINO, E. A. ZIMMER & S. A. HODGES. 2006. Generating single-copy nuclear gene data for a recent adaptive radiation. *Molecular Phylogenetics and Evolution* 39: 124-134.
- WUNDERLIN, R.P. & B. F. HANSEN. 2001. Seven new combinations in the Florida Xora. *Novon* 11: 366-369.
- YAMAGUCHI T., D. Y. LEE, A. MIYAO, H. HIROCHIKA, G. AN & H.-Y. HIRANO. 2006. Functional Diversification of the two C-Class MADS Box Genes OSMADS3 and OSMADS58 in *Oryza sativa*. *The Plant Cell* 18: 15-28.
- ZAHN, L. M., H. KONG, J. H. LEEBENS-MACK, S. KIM, P. S. SOLTIS, L. L. LANDHERR, D. E. SOLTIS, C. W. DEPAMPHILIS & H. MA. 2005. The evolution of the SEPALLATA subfamily of MADS-box genes: A pre-angiosperm origin with multiple duplications throughout angiosperm history. *Genetics* 169: 2225-2239.
- ZHANG, W. 1996. Phylogeny and Classification of the Bamboos (Poaceae: Bambusoideae). Ph.D. Thesis, Iowa State University, Ames, Iowa.
- ZAITCHIK, B.F., L. G. LE ROUX & E. A. KELLOGG. 2000. Development of male flowers in *Zizania aquatica* (North American Wild-Rice; Gramineae). *International Journal of Plant Sciences* 161: 345-351.
- ZIZKA, G. 1988. Revision der Melinideae Hitchcock (Poaceae, Panicoideae). *Bibliotheca Botanica* 138: 1-149.
- ZULOAGA, F. O. & O. MORRONE. 1995. *Panicum* L. In A. T. Hunziker [ed.], Flora Fanerogámica Argentina, fascículo 12, 59-88. Pugliese Siena, Córdoba, Argentina.

ZULOAGA, F. O. & O. MORRONE. 1996. Revision de las especies americanas de *Panicum*, subgénero *Panicum*, sección *Panicum* (Poaceae: Panicoideae: Paniceae). *Annals of the Missouri Botanical Garden* 83 (2): 200-280.

ZULOAGA, F.O. & O. MORRONE. 2003. *Brachiaria, Urochloa*. In: F.O. Zuloaga, O. Morrone, G. Davidse, T. S. Filgueiras, P.M. Peterson, R.J. Soreng & E. J. Judziewicz, [eds.], Catalogue of New World Grasses (Poaceae): III. Subfamilies Panicoideae, Aristidoideae, Arundinoideae and Danthonioideae, 1-662. Contribution from the United State National Herbarium 46.

ZULOAGA, F., O. MORRONE, Z. RÚGOLO DE AGRASAR, A. ANTON, M. ARRIAGA & A. CIALDELLA. 1994. Gramineae V. *En*: R. Spichiger & L. Ramella [eds.], Flora del Paraguay 23, 1-327.

ZULOAGA F. O., O. MORRONE & L. M. GIUSSANI. 2000. A cladistic analysis of the Paniceae: a preliminary approach. *In*: W.L. Surrey & J. Everett [eds.], Grass, Systematics and Evolution, 123-135. CSIRO Publishing, Collingwood, Australia.