

Bibliografía

Alberts, Bruce, Alexander Johnson, Julian Lewis, Martin Raff, Keith Roberts, and Peter Walter. *Molecular biology of the cell*. 4. Nueva York: Garland Science, 2002.

Axon Instruments, Inc. "The Axon Guide for Electrophysiology & Biophysics Laboratory Techniques."

Berthomieu, Pierre, et al. "Functional analysis of AtHKT1 in Arabidopsis shows that Na⁺ recirculation by the phloem is crucial for salt tolerance." *The EMBO Journal* 22, no. 9 (2003): 2004-2014.

Bonilla, Ildefonso. "Introducción a la nutrición mineral de las plantas. Los elementos minerales." Cap. 6 en *Fundamentos de Fisiología Vegetal*, by Joaquín Azcón-Bieto and Manuel Talón, 83-90. Barcelona: McGraw-Hill Interamericana, 2000.

Byrt, Caitlin S., et al. "HKT1;5-Like Cation Transporters Linked to Na⁺ Exclusion Loci in Wheat, Nax2 and Kna1oa." *Plant Physiology* 143 (2007): 1918-1928.

Consortium Nationale de Recherche en Génomique. *Oryza sativa: The rice genome, a Rosetta stone for other cereals*. Octubre 12, 2005.
http://www.genoscope.cns.fr/externe/English/Projets/Projet_CC/organisme_CC.html
(accedido el 15 de Septiembre, 2007).

Corratgé, Claire, et al. "Molecular and Functional Characterization of a Na⁺-K⁺ Transporter from the Trk Family in the Ectomycorrhizal Fungus Hebeloma cylindrosporum." *Journal of Biological Chemistry* 282, no. 36 (Septiembre 2007): 26057-26066.

Dreyer, Ingo, et al. "Identification and Characterization of plant transporters using heterologous expression systems." *Journal of Experimental Botany* 50, no. Special Issue (1999): 1073-1087.

Durell, Stewart R., Yili Hao, Tanotsuke Nakamura, Evert P. Bakker, and Robert H. Guy. "Evolutionary Relationship between K⁺ Channels and Symporters." *Biophysical Journal* 77, no. Agosto (Agosto 1999): 775-788.

Fernández, José Antonio, and José María Maldonado. "Absorción y Transporte de Nutrientes Minerales." Cap. 7 en *Fundamentos de Fisiología Vegetal*, by Joaquín Azcón-Bieto and Manuel Talón, 99-112. 2000.

Gárate, Agustín, and Ildefonso Bonilla. "Nutrición mineral y producción vegetal." Chap. 8 in *Fundamentos de Fisiología vegetal*, by Joaquín Azcón-Bieto and Manuel Talón, 113-129. Barcelona: McGraw-Hill Interamericana, 2000.

Garcia deblás, Blanca, María E. Senn, María A. Bañuelos, and Alonso Rodríguez-Navarro. "Sodium transport and HKT transporters: the rice model." *The Plant Journal* 34 (2003): 788-801.

Gierth, Markus, and Pascal Mässer. "Potassium transporters in plants - Involvement in K⁺ acquisition, redistribution and homeostasis." *Federation of European Biochemical Societies Letters* (Elsevier) 581, no. Marzo (2007): 2348-2356.

Golldack, Dortje, et al. "Characterization of a HKT-type transporter in rice as a general alkali cation transporter." *The Plant Journal* 31, no. 4 (2002): 529-542.

Haro, Rosario, María A. Banuelos, María E. Senn, Javier Barrero-gil, and Alonso Rodríguez-Navarro. "HKT1 Mediates Sodium Uniport in Roots. Pitfalls in the Expression of HKT1 in Yeast." *Plant physiology* (American Society of Plant Biologists) 139, no. Noviembre (Noviembre 2005): 1495-1506.

Hasegawa, Paul M., Ray A. Bressan, Jian-Kang Zhu, and Hans J. Bohnert. "Plant Cellular and Molecular Responses to High Salinity." *Annu. rev. PLant Physiol. PLant Mol. biol.* 51 (2000): 463-499.

Judd, Walter S., Christopher S. Campbell, Elizabeth A. Kellogg, Peter F. Stevens, and Michael J. Donoghue. *PLant Systematics, a phylogenetic approach*. 2. Sinauer Asociates, 2002.

Kader, Abdul, Thorsten Seldel, Dortje Golldack, and Sylvia Lindberg. "Expressions of OsHKT1, OsHKT2, and OsVHA are differentially regulated under NaCl stress in salt-sensitive and salt-tolerant rice (*Oryza sativa L.*) cultivars." *Journal of Experimental Botany*, 2006.

Laurie, Sophie, Kevin A. Feeney, Frans J.M. Maathuis, Peter J. Heard, Sherralyn J. Brown, and Roger A. Leigh. "A role for HKT1 in sodium uptake by wheat roots." *The plant journal* (Blackwell Publishing Ltd) 22 (2002): 139-149.

Lodish, Harvey, et al. *Molecular Cell Biology*. 5. Nueva York: Freeman, 2003.

Mäser, Pascal, et al. "Glycine residues in potassium channel-like selectivity filters determine potassium selectivity in four-loop-per-subunit HKT transporters from plants." *PNAS* 99, no. 9 (2002): 6428-6422.

Mäser, Pascal, et al. "Phylogenetic Relationships within Cation Transporter Families of *Arabidopsis*." *Plant Physiology*, 2001: 1646-1667.

Mathews, Christopher K., K. E. van Holde, and Kevin G. Ahern. *Bioquímica*. 3. Trad. José Manuel González de Buitargo. Pearson Educación, 2002.

Nabors, Murray W. *Introduction to Botany*. E.E.U.U.: Pearson-Benjamin Cummings, 2004.

Nelson, David L., and Michael M. Cox. *Lehnninger Principles of Biochemistry*. 3. Worth Publishers, 2000.

Platten, Damien J., et al. "Nomenclaturee for HKT tranporters, key determinants of plant slinity tolerance." *Trends in plant science*.

Ren, Zhong-Hai, et al. "A rice quantitative trait locus for salt tolrance encodes a sodium transporter." *Nature Genetics* 37, no. 10 (2005): 1141-1146.

Rodríguez-Navarro, Alonso, and Francisco Rubio. "High-affinity potassium and sodium transport systems in plants." *Journal of Experimental Botany* 57, no. 5 (2006): 1149-1160.

Rubio, Francisco, Martin Schwarz, Walter Gassmann, and Julian I. Schroeder. "Genetic Selection of Mutations in the High Affinity K⁺ Transporter HKT1 That Define Functions of a Loop Site for Rduced Na⁺ Permeability and Increased Na⁺ Tolerance." *Journal of biological Chemistry* 274, no. 11 (1999): 6839-6847.

Rus, Ana, et al. "AtHKT1 Facilitates Na⁺ Homeostasis and K⁺ Nutrition in Planta." *Plant Physiology* 136 (2004): 2500-2511.

Rus, Ana, et al. "Natural Variants of AtHKT1 Enhance Na⁺ Accumulation in Two Wild Populations of Arabidopsis." *Public Library of Science Genetics* 2, no. 12 (2006): 1964-1973.

Tadeo, Francisco. "Fisiología de las plantas y el estrés." Chap. 30 in *Introducción a la fisiología vegetal*, by Joaquín Azcón-Bieto and Manuel Talón, 481-498. Barcelona: McGraw-Hill Interamericana, 2000.

Tholema, Nancy, et al. "All Four PPutative Selectivity Filter glycine Residues in KtrB Are Essential for High Affinity and Selective K⁺ Uptake bye the KtrAB System from Vibrio alginolyticus." *Journal of biological chemistry* 280, no. 50 (Diciembr 2005): 41146-41154.