Referencias Bibliográficas

Ahmad ST, Haddad R. 2011. Study of silicon effects on antioxidant enzyme activities and osmotic adjustment of wheat under drought stress. Czech Journal of Genetics and Plant Breeding 47, 17–27.

Bhat JA, Shivaraj S, Singh P, Navadagi DB, Tripathi DK, Dash PK, Solanke AU, Sonah H, Deshmukh R. 2019. Role of silicon in mitigation of heavy metal stresses in crop plants. Plants 8, 71.

Coskun D, Deshmukh R, Sonah H, Menzies JG, Reynolds O, Ma JF, Kronzucker HJ, Bélanger RR. 2019. The controversies of silicon's role in plant biology. New Phytologist 221, 67–85.

Cruz de Carvalho MH. 2008. Drought stress and reactive oxygen species: production, scavenging and signaling. Plant Signaling & Behavior 3, 156–165.

Datnoff, L. E., Elmer, W. H., and Huber, D. M. (2007).Mineral Nutrition and Plant Disease. St. Paul, MN: The American Phytopathological Society.

Fauteux, F., Remus-Borel, W., Menzies, J. G., and Belanger, R. R. (2005). Silicon and plant disease resistance against pathogenic fungi. FEMSMicrobiol. Lett. 249,1–6. doi: 10.1016/j.femsle.2005.06.034.

Fauteux F, Chain F, Belzile F, Menzies JG, Bélanger RR. 2006. The protective role of silicon in the Arabidopsis–powdery mildew pathosystem. Proceedings of the National Academy of Sciences, USA 103, 17554–17559.

Fortunato, A. A., Rodrigues, F., Baroni, J. C. P., Soares, G. C. B., Rodriguez, M. A. D., and Pereira, O. L. (2012a). Silicon suppresses Fusarium wilt development in banana plants. J. Phytopathol. 160, 674–679. doi: 10.1111/jph.12005

Gunes A, Pilbeam DJ, Inal A, Coban S. 2008. Influence of silicon on sunflower

Cultivars under drought stress, I: Growth, antioxidant mechanisms, and lipid peroxidation. Communications in Soil Science and Plant Analysis 39, 1885–1903.

Inanaga, S., Okasaka, A., and Tanaka, S. (1995). Does silicon exist in association with organic compounds in rice plant? Soil Sci. Plant Nutr. 41, 111–117. doi:10.1080/00380768.1995.10419564

Łaźniewska, J., Macioszek, V. K., and Kononowicz, A. K. (2012). Plant-fungus interface: the role of surface structures in plant resistance and susceptibility to pathogenic fungi. Physiol. Mol. Plant Pathol. 78, 24–30. doi:

10.1016/j.pmpp.2012.01.004

Liang Y, Nikolic M, Bélanger R, Gong H, Song A. 2015. Silicon in agriculture. Dordrecht: Springer.

Ma JF, Miyake Y, Takahashi E. 2001. Silicon as a beneficial element for crop plants. In: Datnoff LE, Snyder GH, Korndörfer GH. eds. Silicon in agriculture. Studies in plant science, vol. 8. Elsevier, 17–39.

Ma JF. 2004. Role of silicon in enhancing the resistance of plants to biotic and abiotic stresses. Soil Science and Plant Nutrition 50, 11–18.

Mandlik R, Thankral V, Raturi G, Shinde S. Nikolić M, Tripathi D, Sonah H, Deshmunkh R. 2020. Significance of silicon uptake, transport and deposition in plants. Journal of Experimental Botany (71): 21, 6703-6719. doi:10.1093/jxb/eraa301

Nawrath, C. (2006). Unraveling the complex network of cuticular structure and function. Curr. Opin. Plant Biol. 9, 281–287. doi: 10.1016/j.pbi.2006.03.001

Schmelzer, E. (2002). Cell polarization, a crucial process in fungal defence. Trends Plant Sci. 7, 411–415. doi: 10.1016/S1360-1385(02)02307-5

Sonobe K, Hattori T, An P, Tsuji W, Eneji E, Tanaka K, Inanaga S. 2009. Diurnal variations in photosynthesis, stomatal conductance and leaf water relation in sorghum grown with or without silicon under water stress. Journal of Plant Nutrition 32, 433–442.

Van, B. J., De Vleesschauwer, D., and Hofte, M. (2013). Towards establishing broadspectrum disease resistance in plants: silicon leads the way. J. Exp. Bot. 64, 1281–1293. doi: 10.1093/jxb/ers329

Vivancos, J., Labbe, C., Menzies, J. G., and Belanger, R. R. (2015). Siliconmediated resistance of Arabidopsis against powdery mildew involves mechanisms other than the salicylic acid (SA)-dependent defence pathway. Mol. Plant Pathol. 16, 572–582. doi: 10.1111/mpp.12213

Wang M, Gao L, Dong S, Sun Y, Shen Q and Guo S (2017) Role of Silicon on Plant–Pathogen Interactions. Front. Plant Sci. 8:701. doi: 10.3389/fpls.2017.00701

Zargar SM, Mahajan R, Bhat JA, Nazir M, Deshmukh R. 2019. Role of silicon in plant stress tolerance: opportunities to achieve a sustainable cropping system. 3 Biotech 9, 73.