

We are IntechOpen, the world's leading publisher of Open Access books Built by scientists, for scientists

6,900

Open access books available

185,000

International authors and editors

200M

Downloads

Our authors are among the

154

Countries delivered to

TOP 1%

most cited scientists

12.2%

Contributors from top 500 universities



WEB OF SCIENCE™

Selection of our books indexed in the Book Citation Index
in Web of Science™ Core Collection (BKCI)

Interested in publishing with us?
Contact book.department@intechopen.com

Numbers displayed above are based on latest data collected.
For more information visit www.intechopen.com



- [10] Sahoo DP, Samantrai D, Rout GR. Rapid clonal propagation of *Saccharum officinarum* L. Vars. CO6907 and CO-86249 and to assess the genetic uniformity through molecular markers. *Plant Biosystems*. 2011;**145**:445-451. DOI: 10.1080/11263504.2011.566314
- [11] Kaur A, Sandhu JS. High throughput in vitro micropropagation of sugarcane (*Saccharum officinarum* L.) from spindle leaf roll segments: Cost analysis for agri-business industry. *Plant Cell, Tissue and Organ Culture*. 2015;**120**:339-350. DOI: 10.1007/s11240-014-0610-5
- [12] Lorenzo JC, González BL, Escalona M, Teisson C, Borroto C. Sugarcane shoot formation in an improved temporary immersion system. *Plant Cell, Tissue and Organ Culture*. 1998; **54**(3):197-200. DOI: 10.1023/A:1006168700556
- [13] Rodríguez R, Cid M, Pina D, González-Olmedo JL, Desjardins Y. Growth and photosynthetic activity during acclimatization of sugarcane plantlets cultivated in temporary immersion bioreactors. *In vitro Cellular and Developmental Biology-Plant*. 2003;**39**(6): 657-662. DOI: 10.1079/IVP2003472
- [14] Aragón C, Carvalho LC, González J, Escalona M, Amâncio S. Sugarcane (*Saccharum* sp. hybrid) propagated in headspace renovating systems shows autotrophic characteristics and develops improved anti-oxidative response. *Tropical Plant Biology*. 2009;**2**(1):38-50. DOI: 10.1007/s12042-008-9026-x
- [15] Mordocco AM, Brumbley JA, Lakshmanan P. Development of a temporary immersion system (RITA®) for mass production of sugarcane (*Saccharum* spp. interspecific hybrids). *In vitro Cellular and Developmental Biology-Plant*. 2009;**45**(4):450-457. DOI: 10.1007/s11627-008-9173-7
- [16] Snyman SJ, Meyer GM, Koch AC, Banasiak M, Watt MP. Applications of in vitro culture systems for commercial sugarcane production and improvement. *In vitro Cellular and Developmental Biology-Plant*. 2011;**47**(2):234-249. DOI: 10.1007/s11627-011-9354-7
- [17] Jiménez E, Pérez J, Gil V, Herrera J, García Y, Alonso E. Sistema para la propagación de la caña de azúcar. 3rd ed. Elfos Scientiae: Cuba; 1995. 295 p
- [18] Murashige T, Skoog F. A revised medium for rapid growth and bio assays with tobacco tissue cultures. *Physiologia Plantarum*. 1962;**15**(3):473-497. DOI: 10.1111/j.1399-3054.1962.tb08052.x
- [19] Larkin PJ, Scowcroft WR. Somaclonal variation: A novel source of variability from cell cultures for plant improvement. *Theoretical and Applied Genetics*. 1981;**60**(4):197-214
- [20] Bairu MW, Aremu AO, Van Staden J. Somaclonal variation in plants: Causes and detection methods. *Plant Growth Regulation*. 2011;**63**(2):147-173. DOI: 10.1007/s10725-010-9554-x
- [21] Krishna H, Alizadeh M, Singh D, Singh U, Chauhan N, Eftekhari M, et al. Somaclonal variations and their applications in horticultural crops improvement. 3. *Biotech*. 2016;**6**:1-18. DOI: 10.1007/s13205-016-0389-7
- [22] Martinez-Estrada E, Caamal-Velázquez JH, Salinas-Ruiz J, Bello-Bello JJ. Assessment of somaclonal variation during sugarcane micropropagation in temporary immersion bioreactors by intersimple sequence repeat (ISSR) markers. *In Vitro Cellular and Developmental Biology-Plant*. 2017;**53**(6):553-560. DOI: 10.1007/s11627-017-9852-3

- [23] Jalaja NC, Neelamathi D, Sreenivasan T. Micropropagation for Quality. New Delhi: Food and Agriculture Organization of the United Nations, Asia-Pacific Consortium on Agricultural Biotechnology; 2008
- [24] Gomathi R, Rao PN, Rakkiyappan P, Sundara BP, Shiyamalas S. Physiological studies on ratoonability of sugarcane. American Journal of Plant Sciences. 2013;4(1):247-281. DOI: 10.1007/s12355-016-0438-x