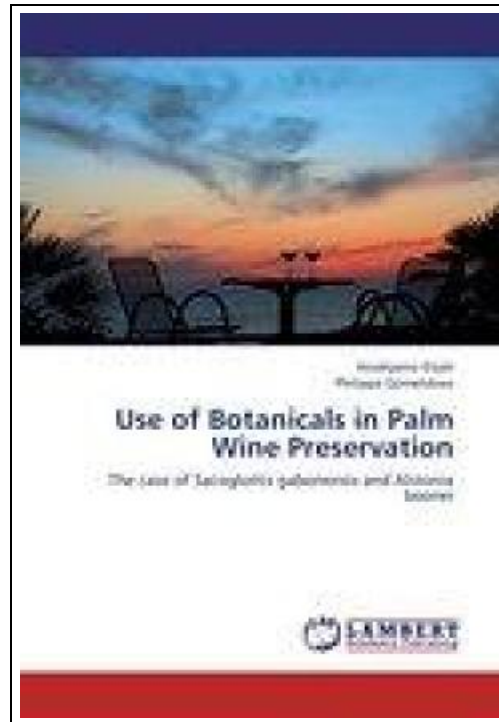


## Use of Botanicals in Palm Wine Preservation



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LAP Lambert Academic Publishing Nov 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Rapid deterioration in organoleptic quality of palm exudate by the natural flora of the fermenting sap constitutes the major problem facing palm wine production and distribution. Although some preservation techniques including the use of chemical preservatives and other methods such as refrigeration, centrifugation and pasteurization have been developed, our attention is focused on the use of botanicals. This book presents the effect of two botanicals; *Sacoglottis gabonensis* and *Alstonia boonei*, on the fermentation of *Raphia* palm sap by *Saccharomyces cerevisiae*. The optimal levels of *S. gabonensis* and *A. boonei* for preserving fermenting palm sap are 0.625 and 0.50 % (w/v) respectively. Both botanicals enhance growth rate, ethanol production, ethanol tolerance and osmotolerance ability, while reducing the fermentation rate, sedimentation rate, flocculation ability as well as invertase activity of *S. cerevisiae* isolated from palm wine. *Sacoglottis gabonensis* is superior to *A. boonei* in these respects. The potential utilization of these botanicals for industrial fermentation involving yeast is promising. 84 pp. Englisch.

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