



Anti bacterial potential of botanicals against BLB disease of rice

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VDM Verlag Apr 2009, 2009. Taschenbuch. Book Condition: Neu. 220x150x12 mm. This item is printed on demand - Print on Demand Neuware - The present study was conducted to investigate the antimicrobial activity of different plant species extracts through in-vivo and in-vitro assays, and to isolate, purify and characterize the bioactive compounds exhibiting maximum anti-bacterial activity against *Xanthomonas oryzae* P.v. *oryzae*. A total of 387 aqueous and non-aqueous plant extracts were screened for antibacterial susceptibility test through hole plate diffusion method. showed maximum efficacy against BLB disease of rice further evaluated through detached leaf, glass house and field assays. The plant extracts showing high antibacterial activity were further screened for bioactive compounds through chromatographic techniques. and try to find there chemical structure. The present findings suggest that botanicals can effectively control BLB disease both in-vitro and in- vivo however, further studies or scaling up is needed. 196 pp. Englisch.

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