



Identification of new alleles in salinity tolerant rice local cultivars

Vine Ikpe

¹Department of Crop Improvement, International Rice Research Institute, Manila, Philippines

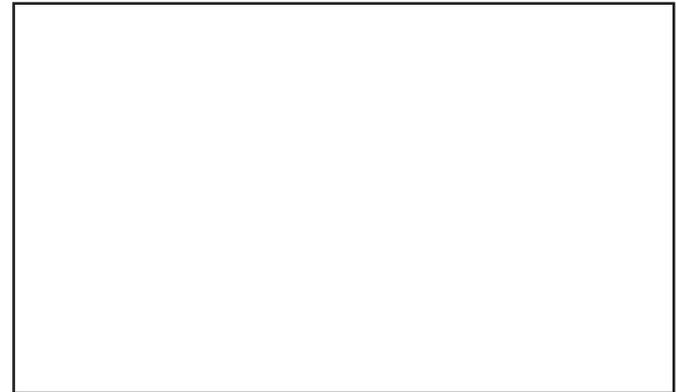
²Department of GenePtics and plant Breeding, National Rice Research institute, Osaka, Japan

Abstract:

This experimental study investigated the psychological and physiological sequelae of marijuana intoxication. Ten Wistar rats (5 females and 5 males) were observed before and after varying dosages of marijuana extract were administered to them, based on their body weights and following LD50. Such psychological parameters as memory, anxiety, sleep/wake behaviour, eating behaviour, social interaction, and motor skills of the rats were observed and recorded. It was hypothesised that marijuana would cause physiological, psychological and physical changes in the rats and that these would vary between female and male rats. Findings indicated that onset of intoxication occurred within 45minutes of ingesting the marijuana orally. Marijuana exerted important changes in all six psychophysiological parameters (memory, anxiety, sleep/wake behaviour, eating behaviour, social interaction, and motor skills). Among other recommendations, subsequent experimental studies should endeavour to account for specific proportions of cannabinoids present in the cannabis strain used.

Biography:

Vine Ikpe has completed his BSc at the age of 26 years from the University of Uyo, Nigeria. He is currently a student member of the International Society for Substance Use Professionals, and was made an alumni of the University of Oldenburg, Germany. He has one publication to his name and looks forwards to pursuing a masters degree programme in Psychopharmacology



Recent Publications:

1. Tester, M. and R. Davenport, 2003. Na⁺ tolerance and Na⁺ transport in higher plants. *Ann. Bot.*, 91; 503–527
2. Thomson, M.J., M. de Ocampo, J. Egdane, M.A. Rahman, A.G. Sajise, D.L. Adorada, R.K. Singh, G.B. Gregorio and A.M. Ismail, 2010. Characterizing the saltol quantitative trait locus for salinity tolerance in rice. *Rice*, 3: 148–160
3. Senguttuvel, P., M. Raveendran, C. Vijayalakshmi, K. Thiyagarajan, J.R.K. Bapu and B.C. Viraktamath, 2010. Molecular mechanism of salt tolerance for genetic diversity analysed in association with Na⁺/K⁺ ratio through SSR markers in rice (*Oryza sativa* L.). *Int. J. Agric. Res.*, 5: 708–719