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Studies on Carrageenans from the Economic Red Algal Genus *Eucheuma* in Tanzania

K. E. Mshigeni and A. K. Semesi

Department of Botany, University of Dar es Salaam, P. O. Box 35060, Dar es Salaam, Tanzania, East Africa

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Abstract

Carrageenan yields of five Tanzanian species of Eucheuma have been determined. The tnean yields obtained were 72.8%,69.0%, 65.0%, 58,0% and 54.0% for *E. spinosum* J. Agardh, E. striatum Schmilz, E. platycladum Schmitz, *E. okamurai* Yamada and E. speciosum J. Agardh f mauritianum Boergesen, respectively. Infrared spectroscopy studies were also con-ducted. E. striatum and E. okamurai showed absorption peaks characteristic öl -carrageenan; E. spinosum showed peaks characteristic of t-carrageenan. E. speciosum f. mauritianum and E. platydadum showed peaks more closely resemhling those of i- than -carrageenan.