

CONTENTS

Session I: Epidemiology

Dental fluorosis in subjects exposed to fluoride containing drinking water at different age <i>A Bårdsen and K Bjorvatn</i>	8-14
Fluoride and fluorosis: The status on research in South Africa <i>A J Louw and U M E Chickte</i>	15-22
Dental fluorosis in relation to altitude and fluoride in drinking water in Uganda <i>M C Rwenyonyi, K Bjorvatn, J M Birkeland & O Haugejorden</i>	23-29
Dental fluorosis with special reference to incisors and molars of Tanzanian school children <i>A K Awadia, K Bjorvatn, J M Birkeland & O Haugejorden</i>	30-33
Prevalence of skeletal fluorosis among retiring employees of Wonji Shoa Sugar Factory <i>G Shifera, Z Melaku, G Aseffa and R Tekle-Haimano</i>	34-38
Prevalence of dental fluorosis in the Wonji Shoa Sugar Estate <i>W Fantaye, G Shifera, and R Tekle-Haimanot, Ethiopia</i>	39-43
Prevalence of low back pain at an agro-industrial community in the Rift Valley <i>Z Mekalu, R Tekle-Haimanot and G Shifera</i>	44-47

Session II: Occurrence and Methodology

Fluoride contamination and mineralogical composition of East African Magadi (Trona) <i>J M Nielsen and E Dahi</i>	50-56
A simple method for determination of the total fluoride intake <i>G Karthikeyan, Anitha Pius and B V Appa Rao</i>	57-62
Analytical problems in assessment of fluoride in food <i>M K Malde, K Bjorvatn and K Julshamn</i>	63-66
Assessment of the fluoride content of relevant weaning food items in Western Uganda <i>M Wandera, M K Malde and K Bjorvatn</i>	67-70

Fluoride and silicon content in drinking water <i>S Bapurao</i>	71-75
--	-------

Session III: Defluoridation; Laboratory Experiences

Defluoridation properties of activated alumina <i>G Karthikeyan, B V Apparao and S Meenakshi</i>	78-82
Kinetics of sorption fluoride on calcined magnesite in batch <i>J J Singano, D A Mashauri, F W Mtalo and E Dahi</i>	83-89
Bone charring by calcination <i>W Puangpinyo and N Osiriphan</i>	90-93
Effect of calcium addition on the defluoridation capacity of bone char <i>P Jacobsen and E Dah</i>	94-99
Defluoridation of drinking water by use of clay/soil <i>K Bjorvatn, A Bårdsen and R Tekle-Haimano</i>	100-105
Significance of elevation on the fluoride binding capacity of Ethiopian soils <i>A Kvalheim, K Bjorvatn, A Bårdsen, R Tekle-Haimanot</i>	106-109
Household purification of fluoride contaminated Magadi (Trona) <i>J M Nielsen and E Dahi</i>	110-117
Economical technology of fluoride removal using fishbone charcoal columns at domestic level <i>D S Bhargava</i>	118-122
Biodefluoridation of fluoride containing water by a fungal biosorbent <i>N Lakshamia, P K Paranjape and P M Mohan</i>	123-126

Session IV: Defluoridation; Field Experiences

Development of the contact precipitation for appropriate defluoridation of water <i>E Dahi</i>	128-137
Household defluoridation of drinking water using activated alumina technology <i>C Venkobachar, L Iyengar and A K Mudga</i>	138-145

Low cost domestic defluoridation <i>J P Padmasir</i>	146-150
Charcoal packed furnace for tow-tech charring of bone <i>P Jacobsen and E Dahi</i>	151-155
Bone char based bucket defluoridator in Tanzania households <i>P Jacobsen and E Dahi</i>	156-159
A review of the defluoridation program of drinking water supplies of an Ethiopian Estate <i>G Shifera, and R Tekle-Haimanot</i>	160-167

Session V: Discussion Papers

Solving the fluorosis problem in a developing country <i>S Rajchagool and C Rajchagool</i>	170-175
Fluorosis Control IN The Rural Drinking Water Supply and Sanitation Project, Karnataka, India <i>S P Manohar and C P M de Groot, India</i>	176-181
Information about oral health among women attending health clinics in Arusha, Tanzania <i>A N Åstrøm, A K Awadia and O Chande,</i>	182-190
Critical sustainability parameters in defluoridation of drinking water <i>H Bregnhøj</i>	191-197