Contents Volume 18 1992/1993

Volume	10	No	1
vallime	חו	INO.	

ANTONIO GALLARDO & WILLIAM H. SCHLESINGER: Carbon and nitrogen	
limitations of soil microbial biomass in desert ecosystems	1
VAL H. SMITH: Effects of nitrogen: phosphorus supply ratios on	
nitrogen fixation in agricultural and pastoral ecosystems	19
JOON KIM & SHASHI B. VERMA: Soil surface CO ₂ flux in a Minnesota	
peatland	37
Volume 18 No. 2	
McDOWELL, W.H., BOWDEN, W.B. & ASBURY, C.E.: Riparian nitrogen	
dynamics in two geomorphologically distinct tropical rain forest	
watersheds: subsurface solute patterns	53
BOWDEN, W.B., McDOWELL, W.H., ASBURY, C.E. & FINLEY, A.M.: Riparian	
nitrogen dynamics in two geomorphologically distinct tropical rain	
forest watersheds: nitrous oxide fluxes	77
MATSON, P.A., GOWER, S.T., VOLKMANN, C., BILLOW, C. & GRIER, C.C.:	
Soil nitrogen cycling and nitrous oxide flux in a Rocky Mountain	
Douglas-fir forest: effects of fertilization, irrigation and carbon	
addition	101
Volume 18 No. 3	
CASTRO, M.S., STEUDLER, P.A., MELILLO, J.M., ABER, J.D. & MILLHAM, S:	
Exchange of N ₂ O and CH ₄ between the atmosphere and soils in	
spruce-fir forests in the northeastern United States	119
ROTHFUSS, F. & CONRAD, R.: Vertical profiles of CH ₄ concentrations,	
dissolved substrates and processes involved in CH ₄ production in a	
flooded Italian rice field	137
LAZERTE, B.D.: The impact of drought and acidification on the	
chemical exports from a minerotrophic conifer swamp	153