PUBLICATIONS BY THE AUTHOR

(A) PAPERS PUBLISHED

1. " Nitrogen nutrition in wetland plants"
   A.P. Waghmode and S.K.Patil
   VEGETOS : 1(2) : 1988 [In press]

(B) PAPERS ABSTRACTED

1. Paper abstracted in the 75th session of
   Indian Science Congress Association held at
   Poona January 1988.

2. Nitrate reductase [E.C.1.6.6.2] and
   Nitrite reductase [E.C.1.6.6.4] in
   Euphorbia geniculata Orteg.
   S.K. Patil and A.P. Waghmode
   Abstract in Link Symposium in Chemistry
   sponsored by Shivaji University, Kolhapur, October 1988.

The Chief Editor/Executive Editor
Vegetos (A biannual Journal of I. S. P. R.),
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441. Nitrogen Nutrition in Wetland Plants.

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Karad-415 110, India

Key Words : *Nutrition, Wetland Plants.*

Nitrogen nutrition in wetland plants was studied by determining the total nitrogen, protein and the activity of enzyme nitrate reductase. The results showed that habitat of fresh water plants (*Hydrilla verticillata* and *Typha spp.*) was rich in nitrogen as compared to the estuarine plants (*Halophila baccarii* and *Aeluropus lagopoides*). The activity of nitrate reductase was two folds high in estuarine plants in relation to freshwater wetland plants. Maximum nitrogen content and activity of nitrate reductase was located in the leaf portion of *Typha* and *Aeluropus*. *In vitro* study of the effect of NaCl on nitrate reductase activity in fresh water wetland plants revealed that the enzyme needs the presence of salts for its full activity.