

A NEW REPORT ON *SPIROGYRA RUGULOSA* IWANOFF FROM SENCHAL LAKE, DARJEELING, INDIA

C. R. DAS

Botanist, Botanical Survey of India, Calcutta

The present note is a report on *Spirogyra rugulosa* Iwanoff collected by the author from Senchal Lake at altitude of about 2,600 m. above sea-level in Darjeeling. It was found free-floating in stagnant water. This species does not appear to have been recorded from India so far.

The Senchal Lake alga showed the following characters. Vegetative cells, 80 to 250 μ long and 45 to 60 μ broad. Chloroplast in single band with three to eight turns. Conjugation scalariform. Zygospore ellipsoid, 50 to 80 μ long and 35 to 60 μ broad. Spore wall yellow brown, finely punctate (Figs. 1-3).

Although the Senchal Lake Alga agrees in general characters with *Spirogyra rugulosa* Iwanoff (or Randhawa, M.S., ZYGNEACEAE, I.C.A.R., New Delhi, 1959: 1-478), the zygospores, however, were found to be comparatively small in size in the present alga.

The species is hitherto known from China, U.S.A., Russia and Rumania. Its find in Senchal Lake in Darjeeling is, therefore, interesting.

ACKNOWLEDGEMENT

The author wishes to express his sincere thanks and gratitude to Sri K. S. Srinivasan for his kind suggestions in writing this paper.

