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Original scientific paper

A NEW LOCALITY OF *CONVOLVULUS LINEATUS* L. IN CROATIA

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The species *Convolvulus lineatus* L., noted only once in Croatia, on Purara island, Kornati islands (Bedalov, Gaži 1969), was recently found on a new locality in Istria. The species grows on rocky shore of the southernmost point of the Istrian peninsula, within the community *Crithmo-Limonietum cancellati* Horvatić 1939 *schoenetosum* Pavletić 1992 (*Crithmo-Limonion* Molinier 1934, *Crithmo-Limonietalia* Molinier 1943, *Crithmo-Limonietea* Br.-Bl. 1947).

The species *Convolvulus lineatus* L. is distributed over open dry habitats in Southern Europe and Southern Russia (Stace 1972:81). According to many authors the species grows on rocky sea shore, alluvial deposits of rivers, in steppe and other habitats within its area (Bedalov and Gaži-Baskova 1969).

Convolvulus lineatus L. was noted for the first time in Croatia in 1969 (Bedalov and Gaži-Baskova 1969). They found it on the Purara island, the southernmost of the Kornati islands. Since then it was not found on any other locality in Croatia, which indicates its small presence in our flora.

In 1993. *Convolvulus lineatus* L. was found in Istria, on the tip of the cape Rt Kamenjak, the southernmost point of the peninsula, where the plant was in flower at the end of May (Figs. 1, 2 and 3). There it was, as on the Purara island, on the rocky shore, on the upper zone of salt water spraying, amongst the species *Crithmum maritimum*, *Limonium cancellatum*, *Dorycnium hirsutum*, *Inula viscosa* and *Schoenus nigricans*. Ptytocenologically, it grows there within the association *Plantagini-Limonietum* (= *Staticetum*) *cancellati* Horvatić 1939 *schoenetosum* Pavletić 1992 (Pavletić 1992), (*Crithmo-Limonion* Molinier 34, *Crithmo-Limonietalia* Molinier 1934, *Crithmo-Limo-*

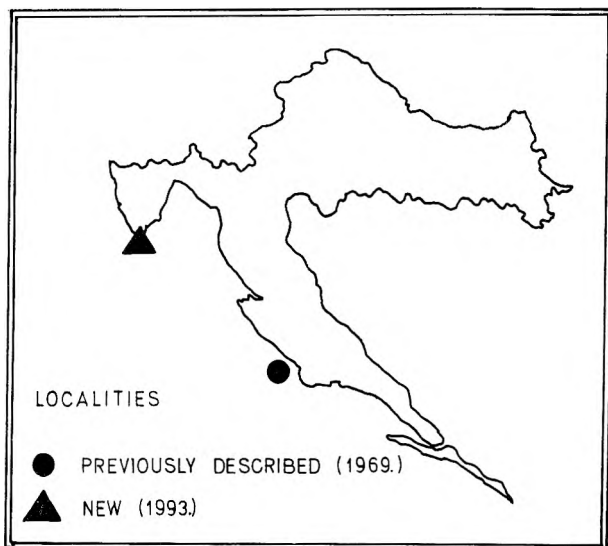


Fig. 1. Localities of *Convolvulus lineatus* L. in Croatia

nietea Br.-Bl. 1947). Although the majority of available data do not note the phytocenological position of the species, yet it was found on the Black Sea shore within the same class, order and alliance, the ass. *Goniolimoni-Crithmetum maritimi* Vicherek 1971 (Horvat et al. 1974).

The nearest localities to those in Croatia are those in Macedonia (Bedalov and Gaži-Baskova 1969) and in Italy (Pignatti 1982).

Bedalov and Gaži-Baskova (1969) named it as Mediterranean-Pontic species, while according to Stace (1972) it seems to be even more widely distributed (Western France, in the former USSR up to c. 51° N.).

Since the species is spread on several localities all along the Apennine peninsula (Pignatti 1982), new finds can be expected along the eastern Adriatic coast as well.

References

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Fig. 2. The habitat of *Convolvulus lineatus* L. in Istria (photo J. Topić)



Fig. 3. *Convolvulus lineatus* L. (photo J. Topić)

SAŽETAK

NOVO NALAZIŠTE VRSTE *CONVOLVULUS LINEATUS* L. U HRVATSKOJ

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Vrsta *Convolvulus lineatus* L. prvi je put zabilježena u Hrvatskoj 1969. Tada su je Bedalovi i Gaži-Baskova (1969) našle na otočiću Purara, najjužnijem u nizu Kornatskih otoka.

Na istom staništu, na kamenitoj obali, u gornjoj zoni prskanja valova, nađena je 1993. godine u Istri, na samom Rtu Kamenjaku, najjužnijoj točki poluotoka. Tu je krajem svibnja bila u cvatu, a nađena je uz vrste *Crithmum maritimum*, *Limonium cancellatum*, *Inula viscosa*, *Dorycnium hirsutum* i *Schoenus nigricans*, unutar zajednice *Plantagini-Limonietum* (= *Staticetum*) *cancellati* Horvatić 1939 *schoenetosum* Pavletić 1992, (*Crithmo-Limonion* Molinier 1934, *Crithmo-Limonietalia* Molinier 1934, *Crithmo-Limonietea* Br.-Bl. 1947.

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