## FIRST RECORD OF *FICUS TINCTORIA* FORST F. SSP. *PARASITICA* (WILLD.) CORNER, AS A HOST OF *KERRIA LACCA* (KERR), FROM INDIA

While searching suitable alternative lac hosts in Madhya Pradesh, the authors came across a new lac host at Silondhi forest of Umaria Forest Division, bearing healthy natural lac encrustation. Identified as *Ficus tinctoria* Forst f. ssp. *parasitica* (Willd.) Corner (Urticaceae) and locally called as *girri*, the host plant was epiphytic on a lac bearing *palas* tree [*Butea monosperma* (Lamk.) Taub.] and obviously the source of inoculation was the living lac on the *palas* tree. Regular observations during the year 1963-64 revealed that *baisakhi* as well as *katki* crops developed satisfactorily on this new host and the cell development at all stages was comparable with that on *palas*. Later, several such lac-bearing bushes were located in the area.

Attempts to colonise *kusmi* strain of lac insects during *jethwi* 1964 season on this host, however, failed. Almost all larvae died just after settlement, except a few, which were able to grow and reach sex differentiation stage, after which they also died.

According to a private communication from Mr. M. Mukherjee, Keeper, Central National Herbarium, this plant species was known as *Ficus gibbosa* Blume var. *parasitica* till recently, but now it is considered a sub-species of *Ficus tinctoria*. *Ficus gibbosa* Bl. (variety not mentioned) has been reported as a common lac host in Yunnan, China (Chung-lo,1957) and as a host of Laccifer lacca (now Kerria lacca) and L. ebrachiata in Oriental Region (Sharapov and Prokopenko, 1960). Neither F. tinctoria nor F. gibbosa have so far been recorded as hosts of the lac insect, Kerria lacca (Kerr) from Madhya Pradesh or India (Kapur, 1955; Roonwal et al. 1958; Roonwal, 1962; Mehra and Gokulpure, 1967; and Varshney and Teotia, 1967).

Since the species retains leaves during summer season, it can fairly be used as a "summer brood preserver" for *rangeeni* lac, wherever available.

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