Objective of the present work:

The sincere efforts are going to plan in response to the studies on influence of plant extractives on the silk worm, Bombyx mori (L). The following plants will be selected for the studies: Vitis vinifera (L); Santalum album (L); Lantana camera (L); Tectona grandis (L); Alstonia scholaris (L) and Syzigium cumini (L). The tender stem pieces of these plants are going to be utilized for soxhlet extraction through the use suitable solvents (like Acetone). The extractives are going to be used for topical application to the dorsal surface of the fifth instar larvae of silk worm, Bombyx mori (L) (Race: PM x CSR2). The objectives of the studies are as below:

i) To screen the plant extractives, responsible for silkworm larval growth & silk synthesis.

ii) To establish the feasible method for the use of plant extractives for rearing of silkworm at field level.

iii) To estimate and analyze the proteins of the silkworm larvae.

iv) To analyze the data pertaining the parameters, like, larval, cocoon & silk fiber.

v) To arrange the field level trails for the use of plant extractives investigated in the laboratory.

vi) To associate with the with the local farmer sericulturists.

vii) To document the data regarding use of various compounds to be used for fortified methods of improvement of silk yield.