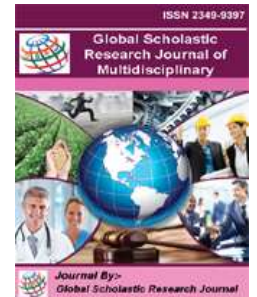




A PEER REVIEWED INTERNATIONAL
JOURNAL OF GLOBAL SCHOLASTIC
RESEARCH JOURNAL

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**PARASITISM IMPACT ON SHEA CATERPILLAR *CIRINA BUTYROSPERMI*
POPULATION DYNAMIC IN WEST OF BURKINA FASO (WEST AFRICA)**

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Abstract

The shea caterpillar, *Cirina butyrospermi*, is full of proteins. this insect feeds itself with shea butter leaves only. This caterpillar is a source of protein in human diet and is used as food by several ethnic groups in Burkina Faso and in some other African countries. The natural enemies contribute to its population reduction. This study assessed parasitism impact on shea caterpillar's population reduction. Two types of parasites : *Mesocomys villeti* crawford (Eupelmidae) parasite of eggs and *Hockeria crassa* Boucek parasites of pupal diapauses were found. The rate of eggs parasitism by *M. villeti* was 66.21% whereas the one pupal diapause by *H. crassa* was 39.24% in year 2015. None of the infected pupal diapause give birth to an imago whatever the number of parasites.

Key-words: *Cirina butyrospermi*, *Vitellaria paradoxa*, Parasitism, Burkina Faso

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