

DEPARTMENT OF BIOTECHNOLOGY

EXTENSION ACTIVITIES

Session 2018- 2019

Programme I

Our permanent extension programme is Screening of genetic disease Sickle Cell Anaemia from the society. In 2018- 2019 we have selected Chandkhuri village of Durg district.



Fig. 1 A showing Sickle Cell Anaemia Screening Programme organized at Government H.S. School Chandkhuri, Durg Chhattisgarh.

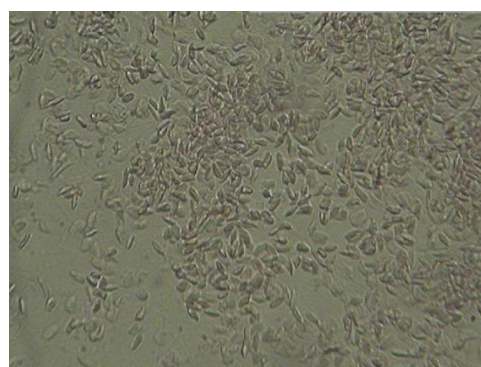


Fig. 1 B Showing sickle-shaped RBCs.

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▪ Programme II

Our another permanent extension activities was detection of Glucose-6-Phosphate dehydrogenase deficiency and study of its genetic variants from the society to help concerned population and physician of the area. In 2018-2019, we selected Chandrakhuri village of Durg district for the extension programme.



Fig. 2 A showing sample collection at Government H.S. School Chandkhuri, Durg Chhattisgarh.

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- **Programme III**

The Arsenic contamination from Underground water in various villages of Ambagarh Chowki area is our continuous programme for long term analysis of related health hazard, to concerned population.



Fig. 3 showing Leucomelanosis in human populations of Kaurikasa Village of Chhattisgarh

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▪ Programme IV

In 2018-2019, we selected Taknar and the lower bridge area of Shankani Dankani River for physico- chemical and biological (Insect diversity) study of the river to understand the environmental impacts.



Fig. Showing Study area for Shankini-Dankani River in Dantewada District of Chhattisgarh

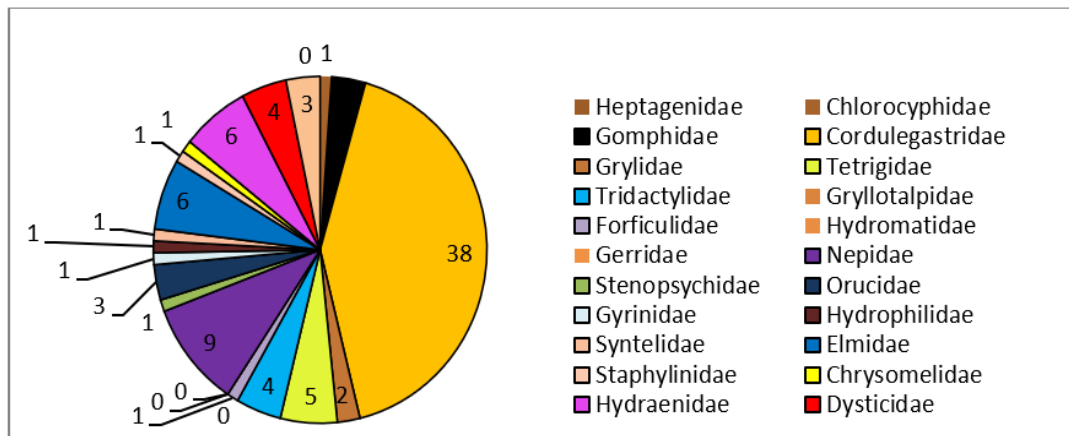


Fig. Showing Insect Biodiversity from study station – Tenkar of Shankini-Dankini River.




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