
**TOXICOLOGICAL CONSEQUENCE OF AGRICULTURAL
GRASSHOPPER PEST (ORTHOPTERA: ACRIDOIDEA)
FROM WEST BENGAL, INDIA**

**Thesis submitted to the Vidyasagar University for the Degree of
Doctor of Philosophy in Science
(Biochemistry)**

**by
Sri Balaram Manna**

**Department of Biochemistry, Vidyasagar University
Midnapore - 721102, West Bengal, India
2020**

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A person in a white shirt and light-colored pants is working in a field of banana plants. The person is holding a tool, possibly a hoe or a similar agricultural implement, and is positioned in the center of the frame. The background is filled with large, green banana leaves, creating a dense and lush environment. The overall scene is captured in a soft, slightly hazy light, giving it a serene and peaceful atmosphere.

*“Affectionately Dedicated to my
Beloved Mother and Father”*

*I could never have done this without your faith,
support and constant encouragement. Thank you
for teaching me to believe in myself, in God and in
my dreams.*