

VIVEKANAND COLLEGE, KOLHAPUR
(Empowered Autonomous)
SEED MONEY SCHEME FOR RESEARCH
Annual Report of the work done on the Research Project

- 1) Project report No. 1- Annual Report of the work done
- 2) College/ University Reference No.-Ref. No. VCK/2022-23
- 3) Period of report: from 1.11.2022 to 31.10.2023
- 4) Title of research project- Analysis of the Biochemical and Histopathological Impact of
Insecticide Flubendiamide on *Labeo rohita*
- 5) (a) Name of the Principal Investigator-Dr. Sneha Sampatrao Desai
(b) Dept. and College where work has progressed-Department of Zoology, Vivekanand
College Kolhapur (Empowered Autonomous)
- 6) Effective date of starting of the project-01/11/2022
- 7) Grant approved and expenditure incurred during the period of the report:
 - a. Total amount approved Rs.-1,35000/-
 - b. Total expenditure Rs.-20000/-
 - c. Report of the work done:

1)	Brief objective of the project	<ol style="list-style-type: none"> a. To determine the LC₅₀ of flubendiamide against fingerlings of <i>Labeo rohita</i> b. To study the Histopathological changes in Brain and Liver of freshwater fish <i>Labeo rohita</i> exposed to flubendiamide by Protocol given by Elenka G. <i>et.al.</i>(2014) c. To study the Lipid peroxidation level in brain and liver tissues of <i>Labeo rohita</i> after exposed to flubendiamide by Will method (1966) d. To study the Superoxide dismutase (SOD) in brain and liver tissues of <i>Labeo rohita</i> after exposure to flubendiamide by Beauchamp and Fridovich method (1971)
2)	Work done so far and results achieved and publications. if any, resulting from the work (Give details of the papers and names of the journals in which it has been published or accepted for publication	<ol style="list-style-type: none"> a. Determined the LC₅₀ of flubendiamide against fingerlings of <i>Labeo rohita</i> b. Estimate Lipid peroxidation level in brain and liver tissues of <i>Labeo rohita</i> after exposed to flubendiamide
3)	Has the progress been according to original plan of work and towards achieving the objective. if not, state reasons.	<p>Yes</p> <p>Paper communicated to International Journal of ecology and environmental sciences</p>

