

National Mission on Himalayan Studies

HALF YEARLY PROGRESS REPORT
(Period: from 1st April 2016 to 30th Sep 2016)

Project Title: “**Population Dynamics and Biogeography of Himalayan Mouse-Hare *Ochotona roylei* in Relation to their impact on the Medicinal Flora of Western Himalaya**”

NMHS/GBPIHED Sanction Order No. & Date: **NMHS/SG-2016/017; Dated 31.03.2016**

Name of Principal Investigator : **Prof. S.N. Bahuguna**
Professor

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Partner Details:-

S.No.	Partner	Roles and Responsibilities	Fund allocated to partners during the period
1.	Prof. M.C. Nautiyal, HAPRC, HNBGU	For the taxonomy of medicinal plants	Nil

Total Cost: Rs. 26, 54, 200.00 /-

Total amount sanctioned for 1st Year: Rs. 12, 47, 200.00 /-

Duration: Three Years (w.e.f. 1st April 2016 to 31st March 2019)

Work-plan for 1st six month of the Project:

Period of study	Achievable targets
6 Months	<ul style="list-style-type: none">▪ Appointment of the Staff▪ Procurement of different equipment and chemical.▪ Survey will be conducted to know the status and presence of study animals in sub alpine and alpine areas of Uttarakhand, Western Himalaya.▪ Literature survey

Summary of progress: (within 200 words)

i) Recruitment of JPF and Field Assistant:

In response to the files placed before the Vice-Chancellor H.N.B. Garhwal University on behalf of Prof. S. N. Bahuguna Principal Investigator Department of Zoology and Biotechnology, Honorable Vice-Chancellor had given his kind consent for the recruitment of manpower in the project. The post was temporary and co-terminus with the project. An advertisement was issued and the same was also displayed on the official website of the university. The interview was held for it and on the recommendation of interview board; **Mr. Ashish Kumar Chowdhary** was recruited as JPF (w.e.f. 1st Sep, 2016) and **Mr. Manish Singh** (w.e.f. 1st June, 2016) as Field Assistant in H.N.B. Garhwal University under the project (Appointment letter Enclosed).

ii.) Procurement of Equipments and Chemicals:

The order for equipments like stereomicroscope with camera and accessories (Olympus, Japan), Incubator, Water Bath, DSLR Camera (Nikon) with accessories, etc. has been placed and are expected to reach the laboratory by the end of Dec, 2016. Order for chemicals and other consumables needed for the project has also been placed.

iii.) Literature Survey:

The Literature survey has been done pertaining to the project research work by the J.P.F. from Departmental library of H.N.B. Garhwal University, Z.S.I. Dehradun, W.I.I. Dehradun and Delhi University. Online available research papers and books were also consulted for literature collection.

iv.) Selection of study sites and field survey:

Himalayan mouse hare is herbivore and inhabits the sub alpine areas throughout the year. As per the abundance in sub-Alpine areas, following sites have been selected for the field survey and further studies.

- i. Tungnath Areas (District Rudraprayag)
- ii. Badrinath Areas (District Chamoli)
- iii. Kedarnath Areas (District Rudraprayag)
- iv. Madhmaheshwar (District Rudraprayag)
- iv. Gangotri Area (District Uttarakashi)
- v. Yamunotri Area (District Uttarakashi)

Field survey and photography were done during the summer and pre-monsoon season i.e. from the months of May to July 2016. During these months climatic conditions are favorable for the field survey and photography of these areas. Preliminary survey was carried out around the Chopta Tungnath areas (from Baniyakund to Chandrashila).



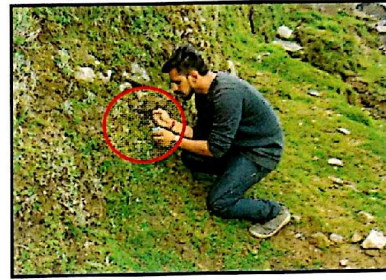
a. *Ochotona roylei*



b. Foraging activity of the specimen



c.) Den/ Tunnel Made by *O. roylei*



d.) J.P.F. collecting fecal matter of *O. roylei*

Name of the PI:- Prof. S.N. Bahuguna

Signature :- 

Date:- 17/11/2016

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