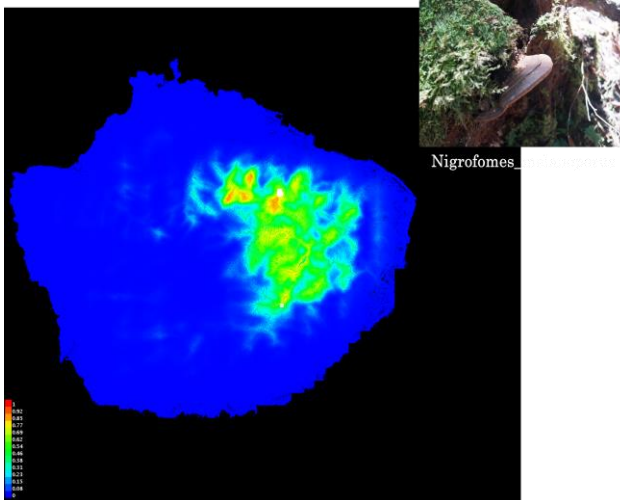


Research Activity Report
Supported by “Leading Graduate Program in Primatology and Wildlife Science”
 (Please be sure to submit this report after the trip that supported by PWS.)

2015. 06, 24

Affiliation/Position	CES,IISc, India
Name	Anuradha Batabyal

1. Country/location of visit
Yakushima, Japan
2. Research project
Study on mushroom diversity across Yakushima Island
3. Date (departing from/returning to India)
2015. 05. 15 – 2015. 06. 15 (30 days)
4. Main host researcher and affiliation
Dr. Shiro Koshima, Professor at Kyoto University
5. Progress and results of your research/activity (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.
<p>During this visit, I conducted research on mushroom species diversity and distribution across Yakushima island and quantifying the effects of environmental factors on their distribution.</p> <p>I used this opportunity to learn about mushrooms, their morphology and various life history characters. Also how the distribution is affected by various environmental factors. The data analysis was done using various softwares like Q-GIS, R statistical software and MaxEnt which were all new learning experiences for me.</p> <p>We found that mushroom diversity differs between sites which were different in respect of various environmental factors like temperature and precipitation. Precipitation plays a major role in contributing to mushroom species richness across sites. Also probability distribution maps of various mushroom species were constructed using MaxEnt and this may help future researchers to work in unknown areas and also might be a great tool for conservation related issues.</p> <p>Through this experience, I have developed a clear vision on how to map distribution of different species, which will be of great help in the future conservation of species which are threatened or vulnerable.</p>
 <p style="text-align: center;">Nigroformes_</p>
<p style="text-align: center;">Probability distribution map of <i>Nigroformes melanospora</i>.</p>

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Collection and sorting of mushrooms at the field station

6. Others