

BIOGRAPHICAL SKETCH

MONALI SUBHASH MHASKAR

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INDIA
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Personal Details:

Date of Birth: 11th Apr 1984
Nationality: Indian
Sex: Female
Marital Status: Single
Languages acquainted: English, Marathi, Hindi

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Pune (Abasaheb Garware College)	M. Sc.	2008	Biodiversity
University of Pune (Abasaheb Garware College)	B.Sc.	2006	Botany

Other Training

INSTITUTION AND LOCATION	Diploma/ Course	YEAR(s)	GPA/ % OF MARKS/ GRADE
Boston Computer Institute, Pune	Diploma in ACD.Net	2002	3.1
Maharashtra State Board of Technical Institute	MS- CIT	2001	55%
Infoway Technologies Pvt. Ltd., Pune	Diploma in IT	2000	A

A. Personal Statement

I have completed graduation in Botany and masters in biodiversity. As a Post graduate, I was able to conduct research with Dr. Ankur Patwardhan on various projects. My long term research interests involve the comprehensive understanding of forest resources and assessment of biotic and abiotic drivers shaping species interactions. My academic training and research experience have provided me with an excellent background in multiple biological disciplines including ecology, molecular biology, microbiology, biochemistry and GIS. I was associated with the national level project on plant resources of Western Ghats supported by DBT, India. As a research fellow, my research focused on threatened medicinal plant species on the ISRO-UoP project related to 'Application of RS-GIS in Conservation of medicinal plants'. After completion of the project I joined as Junior research fellow for the multi institutional DBT funded project dealing with Biotechnological intervention of forest resources. I have worked for *Saraca asoca* species. I have received Women Scientist fellowship from DST in September 2013. Additionally I have delivered public talks and actively participated and presented papers at various National and International conferences. During my research activities, I received academic award for the poster presentation at SCCS held at IISc, Bangalore in 2009. I also

possess a working knowledge of database management. I was also associated with the small term projects with other NGOs. A subsequent first author publication and featured articles in a major journal are also published during these projects tenure.

Skills:

Expertise in Data handling and analysis.

Expertise in Designing Indoor and outdoor Publications (Using Photoshop,Coreldraw,etc)

Expertise in GIS for open source software.

Experience of Guiding Master level Student Project.

Capable of working under difficult conditions in field.

B. Positions and Honors.

POSITION	BEGINNING DATE (mm/yy)	ENDING DATE (mm/yy)	Project name	Funding Agency	PI
Project Assistant	06/2008	06/2010	Application of GIS-RS in Mapping and Conservation of Threatened Medicinal Plant Species from northern Western Ghats of India	ISRO-UoP	Dr. Ankur Patwardhan
Research Fellow	08/2010	03/2012	Biotechnological interventions for conservation and utilization of forest resources	DBT GoI	Dr. Ankur Patwardhan
Project Assistant	03/2012	07/2013	Identification of critical areas of conservation concern using RS-GIS techniques from northern Western Ghats of India	ISRO-UoP	Dr. Ankur Patwardhan
Principal Investigator	10/2013	Till date	Inventorization of provisional ecosystem services of selected sacred natural sites through community participation from northern Western Ghats of Maharashtra	DST - WOS-B 2012	My self

Other activities:

- Member of organizing comity in National conference held at Abasaheb Garware College entitled, “National Conference on Biodiversity assessment conservation and utilization”, 2012
- Participated in biodiversity assessment projects conducted by RANWA.
- contributed in designing ‘summer training’ modules for the school and college students alike
- Assisted in field work and data analysis of the project entitled ‘Mapping and Quantitative Assessment of Plant Resources of Western Ghats’ supported by DBT and co-ordinate by K. N. Ganeshaiyah
- Designing of scientific booklet on “Nursery techniques for threatened medicinal plant species from Northern Western Ghats of India”.

C. Publications

Master's Project:

Dissertation entitled '**Woody species diversity, composition and structure from Koyna Wildlife Sanctuary, Northern Western Ghats**' submitted to University of Pune.

Research papers:

1. Patwardhan, A., **Mhaskar, M.**, Joglekar, A., Tadwalkar, M., Wagh, R. and Vasudeva, R. (2014) Propagation and cultivation techniques of *Embelia ribes* (Vidanga): A threatened medicinal plant species in "Underutilized and underexploited Horticultural crops", Future Crops, Daya Publishing House, New Delhi, 2:237-256
2. **Mhaskar, M.**, Joglekar, A., Tadwalkar, M., Wagh, R., Patil, R., Chavan, B., Joshi, S., Gunaga, S. V., Manjunath, A V., Thriveni, H. N., Vasudeva, R. and Patwardhan, A (2013) Nursery techniques of *Embelia ribes* (Vidanga): A red listed medicinal plant species, Van Sanshodhan Patrika, 1(1): 35-42
3. **M. Mhaskar**, S. Joshi, B. Chavan, A. Joglekar, N. Barve and A. Patwardhan. (2011) Status of *Embelia ribes* Burm f. (Vidanga), an important medicinal species of commerce from northern Western Ghats of India. *Curr. Sc.* 100 (4) : 547-552.
(<http://www.ias.ac.in/currsci/25feb2011/547.pdf>)
4. M. Tadwalkar, A. Joglekar, **M. Mhaskar**, R. Kanade, B. Chavan, A. Watve, K. N. Ganeshaiyah and A. Patwardhan. (2012). Dispersal modes of woody species from the northern Western Ghats, India. *Tropical Ecology*. 53(1): 53-67. (http://www.tropecol.com/pdf/open/PDF_53_1/Art-06.pdf)

Abstracts:

- 2012 Poster presentation: '**Variability in seed traits and seedlings growth of different populations of Saraca asoca in Konkan region**' presented in National Conference on biodiversity assessment, conservation and utilization, Pune.
- 2010 Secured second prize for the poster entitled, "**Use of RS-GIS in mapping and conservation of threatened medicinal plants from a global biodiversity hotspot**" at International conference SCCS Bng, held at IISc, Bangalore
- 2009 Oral presentation: '**Ethnobotany of the Northern Western Ghats of India.**' presented in conference at Botanical survey of America, Botany & Mycology.
- 2008 Oral presentation: '**Do localities differ when assessed for woody plant diversity at two different taxonomic levels?**' presented at National Symposium on Plant Resources of India: Linking Conservation, Livelihood and Culture, Sringeri.
- 2007 Poster presentation: '**Role of environmental NGOs in urban biodiversity conservation: a case study of Pune city**' presented at seminar on Urban Biodiversity and conservation, Mumbai.
- 2007 Poster presentation: '**Assessing woody plant species diversity and demographic status of endemic tree species in three protected areas from the Northern Western Ghats**' presented at XVII Annual Conference of Indian Association for Angiosperm Taxonomy, Kolhapur.

References:

1) Dr. Ankur Patwardhan
Head,
Department of Biodiversity
Garware College, Pune

2) Dr. Milind Sardesai
Reader,
Department of Botany,
Babasaheb Ambedkar Marathwada University,
Aurangabad.