Name	Designation	Specialization	Email	Phone	Photograph	Academic Profile
Dr. Shruti Shah	Guest Faculty	Forest Ecology, Climate Change	shrutisah23@gmail.com	7456047199		

ACADEMICPROFILE

Name: Dr. Shruti Shah

Designation: GuestFaculty

Qualification: Ph.D (Forestry),

Area of Specialization/Research field: Forest Ecology, Climate Change

Awards/Recognitions: NA

Number of research projects: **01**

NumberofPh. D.Candidates successfully supervised:NA

NumberofPh. D.Candidates successfully working:NA

Publications:

i. **Books:**NA

ii.Research Articles publishedinJournals: (16)

1. Singh, S.P.; Bhattacharyya, A.; Mittal, A.; Pandey, A.; Tewari, Ashish; Latwal, A.; Davis, B.; Adhikari, B.S.; Kumar, D.; Negi, G.C.S.; Mir, I.A.; Tamta, K.K.; Sambhav, K.; Shekhar, M.; Phulara, M.; Singh, N.; Tewari, P.; Ranhotra, P.S.; Singh, P.; Dhaila, P.; Sah, P.; Kumar, R.; Joshi, R.; Rawal, R.S.; Rawal, R.; Singh, R.D.; **Shah,** Shruti.; Sharma, S.; Nanda, S.A.; Gumber, S.; Singh, U.; Reshi, Z. (2021). Indian Himalayan timberline ecotone in response to climate change- initial findings. **Current Science**, 120(5):859-871,

2. Mittal, A.; Tewari, A.; Singh, N.; **Shah, S.** (2021). Assessment of soil seed bank on three different vegetation types in Kumaun central Himalayan Forest. **Indian Journal of Ecology**, 48(2):381-386.

3. Singh, N.; Tewari, A.; **Shah, S**.; Mittal, A. (2021). Capsule ripening and seed germination in Rhododendron campanulatum (D.Don) in Aali treeline area of Western Himalayan, India. **Indian Journal of Ecology**, 48(2):398-403.

4. Mittal, A.; Singh, N.; Tewari, A., **Shah, S**. (2020). Cone maturation timing and seed germination in Pinus roxburghii (Serg.) in the central Himalayan region of Uttarakhand, India. **Ecology, Environment and Conservation** 26(S1): S286-290.

5. Jyotsna; Tewari,A.; **Shah,S**. and Tamta, K.K (2020): Reliable physical parametersfor determining fruit/ seed maturity timing of Ficus semicordata Buch. In Kumaun Region of Central Himalaya. Current World Environment, 15(2): 176-185.

6. Singh,N.; Tewari, A. and **Shah, S.** (2020). Catkin maturation timing andseed germination in Betula utilis (D.Don) in the westernHimalayan treeline area of Uttarakhand. Journal of Advanced Scientific Research, 11(2): 145-151.

7. Jyotsna; Tewari,A.; **Shah,S**.; Tamta, K.K. and Singh, N.(2020). Fruit maturation and germination in Ficus auriculata Lour. A lesser known multipurpose tree species in Kumaun Himalayan region. Ecology, Environment and Conservation 26(1): 142-147.

8. Tewari, A., **Shah, S**., Singh, N., Tamta, K.K. and Mittal, A. (2019). Acorn maturation and regeneration problem in *Quercus semecarpifolia* Sm. in Himalayan treeline. International Journal of Scientific & Technology Research 8(11):3781-3787.

9. Singh, N. Tewari, A.; **Shah, S.** and Mittal, A. (2019). Water Relations and Phenological Events of two Treeline *Rhododendron* species in Indian Western Himalaya. SYLWAN 163(10): 64-76.

10. Singh, N. Tewari, A. and **Shah, S**. (2019). Tree Regeneration Pattern and size class distribution in anthropogenically disturbed sub-alpine treeline areas of Indian Western Himalaya. International Journal of Scientific & Technology Research 8(8):537-546.

11. Tewari, A.; **Shah, S**.; Singh, N. and Mittal, A. (2018). Treeline species in Western Himalaya are not water stressed: a comparison with low elevation species. Tropical Ecology 59(2):313-325.

12. **Shah, S.** & Tewari, A. (2016). Limited impact of climate change on seed maturation time in *Myrica esculenta* Buch-Ham. Ex. D.Don in Himalayan region. **International Journal of Environment, Agriculture and Biotechnology** 1(4): 713-717.

13. Tewari, A., **Shah, S**., Singh, N. and Tamta, K.K. (2015). *Diploknema butyracea* (Roxb.) Lamb.: A viable livelihood option for hill communities of central Himalayan region. **International Journal of Recent Scientific Research** 6(5):3937-3940.

14. Verma A., **Shah, S.** and Tewari, A. (2015). Survival problem in regeneration of high altitude Kharsu Oak (*Quercus semecarpifolia* Smith.) forests in Central Himalaya. ***International Journal of Bioassays*** 4(3):3689-3692.

15. **Shah, S**., Verma, A. and Tewari, A. (2014). Timing of Shifts in Phenological Events in *Rhododendron arboreum* Smith. Influenced by Climatic Irregularities in Kumaun Regions of Central Himalaya. ***Global Journal of Scientific Researches***, Vol. 2(2), pp. 56-59

16. **Shah S**., A. Tewari and A. Verma (2013). Timing of shifts in seed maturity indices in *Myrica esculenta*, Buch-Ham. Ex. D.Don and *Pyracantha crenulata* Roxb. influenced by climatic

irregularities in Kumaun region of central Himalaya. ***Journal of Environment and Bio-Sciences*** 27(1):47-51.

17. **Shah, S**., Tewari, A., Srivastava, A.K. & Verma A. (2013). Influence of anthropogenic pressure on regeneration status of forest species along a river transect in Sub-Montane Himalayan region. ***Journal of Biodiversity & Ecological Sciences***, Vol 3(2): 80-85.

18. Verma, A., Tewari, A. & **Shah, S**. (2012) Threats to regeneration and forest carbon in high altitude *Quercus semecarpifolia*, Smith forests of Central Himalayan region. ***Scandinavian Journal of Forest Research***.27: 609-618.

19. **Shah, S**., Tewari, A. & Srivastava, A.K. (2011). Influence of Aspect and Location of Stands on Biodiversity in a Sal Mixed Broadleaved Forest in Kumaun Central Himalaya. ***Russian Journal of Ecology***. 42(3): 211-215.

20. Tewari, B., Tewari, A., **Shah S**., Pande, N. & Singh, R.P. (2011). Physical attributes as indicator of seed maturity and germination enhancement in Himalayan Wild Cherry (*Prunus cerasoides* D. Don.). ***New Forest***. 41:139-146.

21. Shah, S. & Tewari, A. (2010). Pretreatments influence germination of *Myrica esculenta*, Buch-Ham. Ex. D.Don.: a multipurpose tree species of subtropical-temperate Himalayan region. ***Seed Technology.*** 32(2):108-116***.***

22. Rawat V.S., Rawat, Y.S. & **Shah, S.** (2010). Indigenous knowledge and sustainable development in the Tones Valley of Garhwal Himalaya. ***Journal of Medicinal Plants Research***. 4(19):2043-2047.

23. **Shah, S**., Tewari,A., Tewari,B. & Singh, R.P. (2010). Seed maturity indicators in *Myrica esculenta*, Buch-Ham. Ex. D.Don.: a multipurpose tree species of subtropical-temperate Himalayan region. ***New Forest***. 40:9-18.

24. Arya, D., Tewari, A. and **Shah, S.** (2010). Erosion of biodiversity knowledge between younger and older generation regarding plant identification and their uses in oak and pine dominated zone of Garhwal Himalaya. ***New York Science Journal.*** 3(6): 108-111.

25. Singh, R.P., Tewari, A., **Shah, S**. and Tewari, B. (2010). Seed maturity indices in *Aisandra butyracea* Lamb.- A multipurpose tree species of lower Himalaya. ***Journal of Environmental Biology***. 31: 297-299.

26. **Shah, S**., Tewari, A. & Tewari, B. (2009). Impact of human disturbance on forest vegetation and water resources of Nainital catchment. ***Nature and Science*** 7(10):74-78.

27. Srivastava, A.K., Tewari, A., **Shah, S**. & Tewari B. (2008). Species composition and regeneration pattern along a transect perpendicular to a river course in foot-hill deciduous tropical forest of Kumaun. ***Indian Journal of Forestry*** 31(1):7-12.

28. Upadhayay, L.; Singh, R.P.; Tewari,A.; Bisht S. and Shah,S.(2006). Seed maturationindicatorsin Bauhinia retusa Ham. In Kumaun Central Himalayas. Indian Journal of Forestry, 29(4):367371.

29. **Shah, S**., Tewari, B., Tewari A. & Bisht S. (2006). Seed maturation indicators in *Pyracantha crenulata* Roxb. in Kumaun Central Himalaya. ***New Forest*** 32:1-7.

30. Bisht T., **Shah, S**., Tewari, B. & Tewari, A. (2004) Study of important medicinal trees, Shrubs and herbs for some vegetational parameters between 300-2000m elevation. ***Ecology, Environment. & Conservation.*** 10(1): 43-46.

Chapters in Books

1. Tewari, A.; Shah, S. and Singh, N.(2020). Resource availability and oil yield of Diploknema butyracea (Roxb.) Lamb.: an important Multipurpose tree species of Kumaun Himalaya. Book. Ntural Products and their utilization Pattern. , NOVA Science Publishers, New York.

2. Tewari, A.; Shah, S.and Tewari, P. (2018). Migration issue in Uttarakhand and possible suggestions for its migration. Book: Migration from Indian Himalayan region: Challenges and Strategies.

3. Tewari, A.; Shah, S.; Phartyal, P. and Tewari, P. (2016). Developing an understanding of relationship between migration and unemployment in Kumaun region of Uttarakhand. Book: Sustainable development in Indian Himalayan region: Prospects and Challenges

4. Tewari, A.; Shah, S.; Tewari,B.; Tamta, K.K. and Singh, N. (2016). Seedling dynamics of *Drepanostachyum falcatum* (Nees) Keng. over a sixteen year Period after mass flowering in 2000. Book. Himalayan Bamboos: A sustainable Livelihood options for rural mountain communities in the region (Year 2015-2016)

Edited Book (1)

1. Himalayan Bamboos: A sustainable Livelihood options for rural mountain communities in the region (Year 2015-2016).Edited by Dr. Pankaj Tewari, Dr. Shruti Shah and Dr. Pratap Dhaila

Abstract Published:

1. Singh, R.P., Tewari, A., **Shah, S**. and Tewari, B**.** (2006). "Germination variation in *D. butyracea* in relation to elevation". National seminar on recent advances in forest sciences, January 30-31, 2006.

2. Shah, G.L., Tewari, A., **Shah, S.** and Tewari, B**.** (2007). "Anthropogenic impact on plant richness and water resources in Nainital catchment". 2nd Uttarakhand State Science Congress, 15-17 November, 2007.

3. **Shah, S**. and Tewari, A. (2009). Effect of Climate Change on Phenology of Himalayan Plant Species. National Seminar on response of eco-biological components to the phenomenon of global warming (NSREG-2009) 26-27 September 2009.

4. **Shah, S.**; Tewari, A. and Tewari, B. (2010).Timing of phenological shifts of Himalayan Plant species: Disturbance or climate change. National Seminar on research methods in Forestry and Climate Change. 17-18 September 2010.

5. Tewari, A. and **Shah, S.** (2010). Carbon Sequestration by Uttarakhand Forests: A Tangible Ecosystem Service. National Seminar on research methods in Forestry and Climate Change. 17-18 September 2010.

6. Tewari, A. and Shah, S. (2012). Colonization of landslides affected areas by natural regeneration of early successional species. National seminar on geology and geo-resources of Himalaya and cratonic regions of India (GGHCRI-2012). 10-12 March, 2012.

7. Shah, S., Tewari, A. and Verma, A. (2012). Timing of shifts in seed maturity indices in *Myrica esculenta*, Buch-Ham. Ex. D.Don and *Pyracantha crenulata* Roxb. influenced by climatic irregularities in Kumaun region of central Himalaya. National Seminar on status of environment and biodiversity: Rio + 20 and role of space technology. 2-3 November 2012.

8. Tewari, A., **Shah, S**., Singh, N., Tamta, K.K. and Mittal, A. (2014). Livelihood promotion by raising Prunus armenica in degraded areas beteen 1800-3000meters in Uttarakhand Himalaya. National conference on environmental conservation and Clean India Programme. 7 December 2014.

9. **Shah, S**., Tewari, B., Tamta, K. and Mittal, A. (2014). Influence of anthropogenic disturbance on forest diversity over two decades in the Nainital catchment. National conference on environmental conservation and Clean India Programme. 7 December 2014.

10. Tewari, A., **Shah, S**. and Tewari, A. (2015). Women representation in van panchayats of Uttarakhand: A step towards environmental conservation. National seminar on challenges of women in the Himalayan region, 1-2 September 2015.

11. Basera, N.S. and **Shah, S**. (2015). Van sanrakshan aur mahilayan. National seminar on challenges of women in the Himalayan region, 1-2 September 2015.

12. Shah, S. and Tewari, A. (2016). Regeneration problem in Myrica esculenta, Buch-Ham. Ex. D.Don. in relation to climate change in central Himalayan region. 6th National Convention on "Revisiting and reconstructing past of Himalayan region"17-18 October.

13. Singh, N.; Tewari, A. and Shah, S (201). Tree water relations and phenological events in treeline forming species in Uttarakhand. 12th Uttarakhand State Science Congress,

14. Tewari, A.; Shah, S. and Singh, N. (2019). Water relations of tree species in the Himalayan region of Uttarakhand. Global Perspective in Agriculture and Applied Sciences for Food and Environmental Security.

15. Tewari, A.; Shah, S. and Tamta, K.K.(2019). Oil yield and Resource Potential of Diploknema butyracea Roxb.in Kumaun Himalayan Region. (Chemistry Seminar)

WORK EXPERIENCE:

Post Doctorate Research Experience: 13 years

- Worked as Research Associate (RA) in NMHS timberline project from June 2016 to September 2021.
- Worked as SERB Young Scientist from November 2012 to October 2015.
- Worked as SRF in NOVOD Board sponsor project in Department of Forestry, Kumaun University, Nainital from October 2004 to August 2011 (7 years approx).
- Two year research experience in Silviculture Division of Forest as JRF in World Bank sponsor project from April 2000 to March 2002.
- Two year contractual lecturer in the Department of Forestry (2009-2010) & (2011-12).
- Twelve years experience of teaching Forestry at graduate and post graduate classes. (2003- 2015).
- Assisted in coordinating the teaching and internal evaluations of B.Sc. Forestry Course.
- Seven years experience of teaching Forestry at B.Sc. Forestry course (2009-2015)
- Ten years experience of teaching Environmental studies at undergraduate classes (B.A., B.Sc. and B.Com.) in D.S.B. Campus, Kumaun University, Nainital (2006-2015).

Date: 12/01/2021

Place: Nainital **(Shruti Shah)**