

Name

Dr. Ravinder Raina
Professor

Department

Amity Food & Agriculture Foundation

Qualifications

PhD

Experience

35+ yrs

Current Courses Taught

Horticulture related (Breeding; Value addition, Post-Harvest technology; Medicinal & Aromatic Plants)

Research Interests

Biodiversity Conservation, Domestication, Genetic improvement; Value addition of medicinal plants

Teaching Interests

[Economic Botany](#); [Medicinal Plants](#); [Traditional knowledge](#); [Minor Forest Products](#); [Plant Breeding](#); Plant Biodiversity Conservation, Domestication & Genetic improvement; Value addition of medicinal plants

Publications (Top 20)

- a) **ORCID ID: 0000-0003-1776-9652**
- b) **Google Scholar ID: raviraina4**
- c) **Scopus ID: 56265299000**

1. Mariadoss Alphonse, Rajasekaran Chandrasekaran, Siva Ramamoorthy, Devanand P. Fulzele, Ravinder Raina & Kalaivani Thiagarajan. 2021. Optimizing Shoot Formation in *Gentiana kurroo* Royle for Gentiopicroside Production. *Journal of Plant Growth Regulation*; <https://doi.org/10.1007/s00344-021-10352-z> (IF: **4.169**).
2. Kamini and Ravinder Raina, 2019. Floral architecture, breeding system, seed biology and chromosomal studies in endangered Himalayan *Angelica glauca* Edgew. (Apiaceae). *Caryologia* 72(3): 23-34. (IF:**1.174**)

3. Neena Kumari, Ravinder Raina, Yash Pal Sharma.2018. Interpopulation variations in morphochemical characteristics of *Stevia rebaudiana* Bertoni.. Turkish Journal of Botany 42: 491-501; doi: 10.3906/bot-1712-26. (IF: **1.489**).
4. Marbaniang,E.J.; Venugopal, N.; Verma, Susheel; Raina, Ravinder; Khajuria, Ankush; Gautam,Kamini. 2018. Floral biology and embryological studies are important for conservation of threatened plants having reproductive bottlenecks: a case study of *Illicium griffithii* Hook. f. & Thomson. Current Science, 114(3):576-587. (IF: **1.102**.)
5. Aabid M. Rather ,Irshad A. Nawchoo and R. Raina. 2017. Besides regular chromosome segregation and allied reproductive traits in *Valeriana jatamansi* Jones (Valerianoideae, Caprifoliaceae) - the gynodioecious species develops multiple Evolutionary pathways: as subsistence links. Caryologia, 70(2): 174-183 . (IF:**1.174**)
6. Ravinder Raina and Kamini 2016 In: Marhold, K. (ed) IAPT/IOPB Chromosome data Taxon, 65(3); 675(print) & E17 (online). (IF: **3.0**)
7. Kamini Gautam and Ravinder Raina. 2016. New insights into the phenology, genetics and breeding system of critically endangered *Nardostachys grandiflora* DC, Caryologia, 69:2, 91-101. (IF:**1.174**)
8. Rajinder Kaur, Neha Sharma and Ravinder Raina 2015. Identification and functional annotation of expressed sequence tags based SSR markers of *Stevia rebaudiana*. Turkish journal of Agriculture and Forestry, 39(3): 439-450. (IF: **2.585**)
9. Avinash Kumar, Vijay Rani Rajpal, Ravinder Raina, Manju Chaudhary and Soom Nath Raina. 2014. Nuclear DNA assay of the wild endangered medicinal and aromatic Indian Himalayan *Valeriana jatamansi* germplasm with multiple DNA markers: implications for genetic enhancement, domestication and ex situ conservation. Plant Systematics and Evolution, 300 (9); 2061-2071. (IF: **1.328**).
10. R. Raina, Prabhuraj Patil, Yashpal Sharma and R C Rana. 2013. Reproductive biology of *Swertia chirayita*- a temperate critically endangered medicinal plant. Caryologia: 66:1, 12-20. (IF:**1.174**).
11. Kamini and R. Raina. 2013.Review of *Nardostachys grandiflora* DC - an important endangered medicinal and aromatic plant of western Himalaya. Forest Products Journal, 63(1-2):67-71. (IF: **1.038**).
12. Amit Kumar , Poonam Shirkot , Ajay Kumar Thakur, R. Raina 2012. Assessment of Genetic Diversity in *Valeriana jatamansi* Jones. Germplasm Using RAPD Markers. National Academy Science Letters , 5(3): 221-226. (IF: **0.516**).
13. R. Raina, Joginder Singh, Romesh Chand and Yashpal Sharma. 2005. Hypericin accumulation in glands of *Hypericum perforatum* Linn. Current Science 89(12): 1981-1982. (IF: **1.102**.)
14. R.Raina, M C Behera, Romesh Chand and Yashpal Sharma.2003. Reproductive biology studies in *Gentiana Kurroo* Royle. Current Science, 85(5):667-670. (IF: **1.102**.)
15. Gupta LM & Raina R. 2001 Significance of sequential opening of flowers in *Gloriosa superba* L. Current Science 80(10); 1266-1267. (IF: **1.102**.)
16. R. Raina 1999 Differences in ayurvedic medicine and herbal medicine (response) Current Science, 76(5): 620(IF: **1.102**.)

17. Gupta, LM & Raina, R.1998. Side effects of some medicinal plants. *Current Science*, 75(9); 897-900. (IF: 1.102.)
18. PL Gautam, R Raina, U. Srivastava, SP Raychaudhuri, and BB Singh.1998. Prospects of Medicinal Plants (Edited) Indian Society of plant Genetic Resources, NBPGR, New Delhi
19. Gohil, RN & Raina, R. 1987 Polyploidy accompanied by structural alterations in the evolution of *Hesperis matronalis*. *Cytologia*, 52:223-228. (IF: 0.76)
20. Gohil, RN, Raina, R & Ashruf, M. 1981 In: IOPB chromosome number reports LXXII. *Taxon*; 30(3); 697. (IF: 3.0)

Professional Affiliations

University of Kashmir, Srinagar; Dr.YSP Univ. of Hort. &Forestry, Solan; Shoolini University, Solan

Professional Activities

Teaching, Research, Extension, Consulting & Advise,

Other Achievements:

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