

Editor in Chief

Dr. Gopal Singh Rawat

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Personal Information:

Contact details	Wildlife Institute of India Chandrabani, Dehradun
Date of Birth	7 th November 1959
Date of superannuation from the Scientific Institution	30 th November 2019
Designation at the time of superannuation from Service	Dean & Director (I/C), Wildlife Institute of Indian (WII) Dehradun – 248 001

Educational Qualifications (Bachelors' Degree onwards):

Degree	Name of the Institution/University	Passing Year	Subjects
Bachelor of Science	Kumaun University, Nainital	1978	Botany, Zoology, Chemistry
Master of Science	Kumaun University, Nainital	1980	Botany
Doctor of Philosophy	Kumaun University, Nainital	1984	Botany*
Doctor of Science	Kumaun University, Nainital	2007	Botany**

* Title: Studies on the high altitude flowering plants of Kumaon Himalaya.

** Title: Alpine Vegetation of the Western Himalaya: Species Diversity, Community Structure, Dynamics and Aspects of Conservation.

Positions held:

Designation	Name of Organization	From	To	Nature of Job
Dean*	Wildlife Institute of India	01 October 2015	30 November 2019	Coordinate Academic Programmes
Scientist - G	Wildlife Institute of India	01 July 2007	30 September 2015	Teaching Training & Research
Chief Scientist Ecosystem Services	ICIMOD, Kathmandu Nepal	15 August 2011	14 November 2014	Coordination & execution of research on Himalayan Ecosystems
Scientist D, E, F	Wildlife Institute of India	21 October 1986	30 June 2007	Teaching Training & Research
Senior Scientific Officer	High Altitude Plant Physiology Research Centre (HAPPRC), HNB Garhwal University	7 April 1986	20 October 1986	Research on alpine plants
Lecturer	Kumaun University	March 1985	March 1986	Teaching & Research

* Also served as Director (I/C), Wildlife Institute of India during 01 September 2019 to 30 November 2019

Professional Training:

- Orientation Course in Remote Sensing Applications to Forestry and Natural Resource Ecology at Indian Institute of Remote Sensing, Dehra Dun. July 1987.
- Special Training on Habitat Evaluation Procedures (HEP) at Colorado State University, Fort Collins, CO, U.S.A. under F.A.O. Fellowship. January - June 1988.
- Training on Alpine Plant Ecology and Vegetation Monitoring at Institute for Arctic and Alpine Research, University of Colorado, Boulder, USA. (July - August 1993).

Professional Experience:

- Research Experience: 40 Years:- Eco-floristics, Ecology and Conservation of Himalayan Ecosystems; Alpine Rangeland Ecology, Wildlife Habitat Management (Multi-disciplinary). Guided 30 Ph. D. and 15 Master's students. Supervised >10 research projects at WII.
- Teaching & Training Experience: 35 Years:- Courses taught at WII to Post Graduate Diploma, Certificate and M. Sc. classes: Wildlife Habitat Ecology & Management, Vegetation Survey, Mapping & Monitoring; Visiting Faculty, University College London (November 1997), sponsored by the British Council and participated in teaching the M. Sc. Conservation Course.
- Consultant, Biodiversity and Floral Survey Project, WWF - Bhutan Programme and Nature Conservation Section, Forestry Services Division, Royal Government of Bhutan (1994 - 1997); Consultant in World Bank Aided Forestry Projects in several states of India – 1997 – 2004).
- Nodal Officer at WII for implementing Regional Rangeland Programme II and III in collaboration with ICIMOD in Indian Trans-Himalaya (2004- 2010). Experiences gained on management of Trans-Himalayan Rangelands were shared with various national and international partners at meetings organized by ICIMOD in Nepal, Lhasa (China) and at frequent review and planning meetings at ICIMOD (Kathmandu).
- Nodal Scientist at WII under ICIMOD initiated 'Kailash Sacred Landscape Conservation Initiative' for preparation of Feasibility Assessment Report, Kailash Sacred Landscape (Indian Part) in close collaboration with G.B. Pant Institute of Himalayan Environment & Development (GBPIHED) - Almora and Uttarakhand Forest Department. Participated in planning meetings and also in preparation of Conservation and Monitoring Plans for the Indian part of said landscape.
- Member, Task Force on Mountain Ecosystems and Grassland Ecosystems set up by the Planning Commission, Government of India for the 11th V Year Plan. Member, Quiquennial Review Team for Evaluation of Forest Research Institute, Dehradun (ICFRE).
- Led an Ecological Expedition across the alpine region of Western Himalaya from Indo-Nepal Border in Uttarakhand to Holy Amarnath in Kashmir. This involved arduous trekking for about 3000 kms in alpine habitats, assessment of alpine rangelands, collection of spatial data on the distribution and abundance of rare, endemic, medicinal and aromatic plants (May – October 2004).
- Served as Coordinating Lead Author for the Asia – Pacific Regional Assessment of Biodiversity and Ecosystem Services (Chapter 3) for the Intergovernmental Science – Policy Platform on Biodiversity and Ecosystem Services (2016- 2019).
- Chairman, Expert Committee on the selection of RET Species of Flora and Member, Bugyal Restoration Committee in the state of Uttarakhand. During past two years I have provided technical inputs to the Government of Uttarakhand in my respective capacities.

National Recognition:

- Fellow, National Academy of Sciences, India (Allahabad) – 2004
- Recipient of T.N. Khoshoo Memorial Award 2019 for Orchid conservation awareness in Gori Valley, Uttarakhand

Memberships of Professional Bodies / Affiliation:

- Member, Uttarakhand State Wildlife Advisory Board (2007 – 2011)
- Member, Academic Council, FRI University, Dehra Dun (2005 – 2011; 2015 - 17)
- Secretary, Uttarakhand Chapter of National Academy of Sciences, India (2007 – 2011).
- Member, IUCN (Species Survival Commission's, Orchid and Medicinal Plant Specialist Groups); Commission on Ecosystem Management.
- Editor in Chief: Indian Journal of Forestry; Editor: Tropical Ecology.
- Executive Councillor, Integrated Mountain Initiative.
- Life Member, Association for Plant Taxonomists (APT); Peoples' Association for Himalayan Area Research (PAHAR)
- Member, Expert Committee on Medicinal Plants, National Biodiversity Authority.
- Member, Planning Board, Union Territory of Ladakh.

New discoveries and commemorative taxa:

The following four species were discovered as new to Science:

- Kumar, Rawat & Jalal. *Peristylus sahanii* Kumar, Rawat & Jalal Kew Bulletin 65: 1-4, 2010.
- *Nervilia pangteyana* Jalal, Kumar & Rawat. 2012. Nordic J. of Botany. 30: 001 – 005, 2012.
- *Bistorta tenuifolia* var. *gidarensis* Rai, Singh & Rawat. Phytotaxa. 92 (1): 13 -19, 2013.
- *Oxygraphis kumaonensis* Rai & Rawat. Phytotaxa 230 (1):(1): 092–096, 2005.

The following three species newly discovered have been named in my honor:

- *Pecteilis rawatii* Kumar & Veldkamp. Gard. Bull. Singapore 61 (2): 335- 341, 2010.
- *Berberis rawatii* Tiwari & Adhikari. Nord. J. Bot. 29: 184 – 188, 2011.
- *Rhododendron rawatii* Rai & Adhikari. Phytotaxa 71: 10–16, 2012.

Publications:

- (A) Research papers published in full: 150
- (B) Short Research Papers: 45
- (C) Scientific Reviews: 05
- (D) Articles for Conference / Seminar Proceedings: 17
- (E) Book Chapters: 46
- (F) Books Authored / Co-authored: 07
- (G) Edited Volumes / Reports: 22
- (H) Popular Articles: 12

Total 304

List of Publications (Updated on December 2021):

PUBLICATIONS BY G.S. RAWAT

(Updated on December 2021)

(A) Research papers published in full

* *Journals of High Impact Factor*

1. **Rawat, G.S.** & Y.P.S. Pangtey. 1985. Additions to the Flora of U.P. Hills. J. Econ. Tax. Bot. 6(3): 693-695.
2. **Rawat, G.S.** and Y.P.S. Pangtey. 1985. Some interesting Plant records from Kumaun Himalaya. J. Econ. Tax. Bot. 6(3): 696-698.
3. **Rawat, G.S.** & S.K. Srivastava. 1986. Recently introduced exotics in the flora of Himachal Pradesh. J. Econ. Tax. Bot. 8(1) : 17-20, 1986.
4. **Rawat, G.S.** 1987. On the occurrence of *Lalldhwojia cooperii* Farille (Apiaceae) in India. J. Bomb. Nat. Hist. Soc. Vol. 84(3): 725-727.
5. **Rawat, G.S.** & Y.P.S. Pangtey. 1987. A contribution to the Ethnobotany of alpine regions of Kumaon. J. Econ. Tax. Bot. Vol. 11(1): 139-148.
- *6. **Rawat, G.S.** & Y.P.S. Pangtey. 1987. Floristic structure of snowline vegetation of Central Himalaya, India Arctic, Antarctic & Alpine Research 19(2) : 195-201.
7. Pangtey, Y.P.S. & **G.S. Rawat.** 1987. Some ecological observations of the fern flora of Nainital. J. Econ. Tax. Bot. 9(1): 147- 150.
8. Pangtey, Y.P.S. & **G.S. Rawat.** 1987. Studies on the wall flora of Nainital J. Econ. Tax. Bot. 9(1) : 209-230.
9. Pangtey, Y.P.S., S.S.Samant & **G.S. Rawat.** 1988. Contribution to the Flora of Pithoragarh District, Kumaun Himalaya. Him. Res. & Dev. Vol. 7 (I & II): 24-46.
10. Pangtey, Y.P.S., S.S. Samant & **G.S. Rawat.** 1989. Ethnobotanical Notes on the Bhotia Tribes of Kumaon. Ind. Journal of Forestry Vol. 12(3): 191-196.
- *11. **Rawat, G.S.** & V.K. Uniyal. 1993. Pastoralism and Plant Conservation: The Valley of Flowers Dilemma. Environmental Conservation 20 (2): 164-168.
12. Pandey, S., others & **G.S. Rawat.** 1994. Birds of Rajaji National Park, India. Forktail 10 (1994): 105-114.
- *13. Sharma, D., N. Manjrekar, S. Mukherjee, M.V. Katti, **G.S. Rawat**, P. Singh, P. & A.J.T. Johnsingh. 1995. The Takin (Bovidae, Caprinae) in Arunachal Pradesh, India. Mammalia 59 (3):444 - 446.

14. Bhat, S.D. & **G.S. Rawat**. 1995. Habitat Use by chital (*Axix axis*) in Dhaulkhand, Rajaji National Park, India. *Tropical Ecology*. 36(2):177-189.
- *15. **Rawat, G.S.** 1997. Conservation status of forests and wildlife in the Eastern Ghats, India. *Environmental Conservation* 24 (4):307-315.
16. **Rawat, G.S.**, S. P. Goyal & A.J.T. Johnsingh. 1997. Ecological Observations on the grasslands of Corbett Tiger Reserve, India. *The Indian Forester* 123 (10): 958-963.
- *17. Shankar Raman, T.R., **G.S. Rawat** & A.J.T. Johnsingh. 1998. Recovery of tropical rainforest avifauna in relation to vegetation succession following shifting cultivation in Mizoram, north-east India. *Journal of Applied Ecology* 35:214-231.
- *18. Mishra, C. & **G.S. Rawat**. 1998. Livestock grazing and biodiversity conservation: Comments on Sabarwal. *Conservation Biology* 12 (3): 712-714.
19. **Rawat, G.S.**, S. Sathyakumar & S. N. Prasad. 1999. Plant Species Diversity and Community Structure in the outer fringes of Kedarnath Wildlife Sanctuary, Western Himalaya: Conservation implications. *The Indian Forester* 125 (9): 873 - 882.
20. **Rawat, G.S.** & N.S. Bhainsora. 1999. Woody Vegetation of Shivaliks and outer Himalaya in North-western India. *Tropical Ecology* 40 (1):119 – 128.
21. Kala, C.P. & **G.S. Rawat**. 1999. Effects of livestock grazing on the species diversity and biomass production in alpine meadows of Garhwal Himalaya, India. *Tropical Ecology* 40 (1): 69 – 74.
22. Awasthi, A., **G.S. Rawat** & A. Rajvanshi. 1999. Assessment of Human Use and Ethnobotanical values in Tehri Dam Submersible area, Garhwal Himalaya. *Journal of Non-Timber Forest Products* Vol 6 (3/4): 199-206.
23. Awasthi, A., S.K. Uniyal & **G.S. Rawat**. 2001. Forest Management Down the Ages: A Case Study from District Uttarkashi, Uttaranchal. *Indian Journal of Forestry* 24 (3): 388-394.
24. Uniyal, S., A. Awasthi & **G.S. Rawat**. 2002. Mapping fragile mountain watersheds using topography with remote sensing. *Tropical Ecology* 43 (1): 2003-212.
25. Uniyal, S., A. Awasthi & **G.S. Rawat**. 2002. Current status and distribution of commercially exploited medicinal and aromatic plants in upper Gori Valley, Kumaon Himalaya, Uttaranchal. *Current Science* 82 (10): 1246 – 1252.
26. Hajra, A., **G.S. Rawat** & A.K. Tiwari. 2002. Population structure of the corridor forest between Rajaji and Corbett National Parks, Uttaranchal. *Ind. Journ. Of Forestry* 25 (3): 310-318.
27. Uniyal, S., A. Awasthi & **G.S. Rawat**. 2002. Traditional and ethnobotanical uses of plants in Bhagirathi Valley, Western Himalaya. *Indian J. of Traditional Knowledge* 1 (1): 7-19.
28. Kala, C.P., S.K. Singh & **G. S. Rawat**. 2002. Effects of sheep and goat grazing on the species diversity in the alpine meadows of Western Himalaya. *The Environmentalist* 22: 183 – 189.
29. Awasthi, A., S.K. Uniyal & **G.S. Rawat**. 2003. Status and extraction patterns of *Jurinea dolomiæa* Boiss (Dhoop) in an Alpine Meadow of Kumaon Himalaya (Uttaranchal). *The Indian Forester* 129 (5): 589 – 595.
- *30. Uniyal, S.K., Awasthi, A. & **G.S. Rawat**. 2003. Developmental Process, Changing Lifestyle and Traditional Wisdom: Analysis from Western Himalaya. *The Environmentalist* 23 (2003): 307-312.
31. Awasthi, A., S.K. Uniyal, **G.S. Rawat** & A. Rajvanshi. 2003. Forest Resource Availability and its use by the migratory villages of Uttarkashi, Garhwal Himalaya (India): *Forest Ecology and Management*: 174 (2003): 13-34.
- *32. Datta, A. & **G.S. Rawat**. 2003. Foraging patterns of sympatric hornbills during non-breeding season in Arunachal Pradesh, North-east India. *Biotropica* 35 (2): 208-218.
33. Adhikari, B.S., M. Babu, P.L. Saklani & **G.S. Rawat**. 2003. Medicinal Trees of Uttaranchal State: Distribution, Use Pattern and Prospects for Conservation. *The Indian Forester* 129 (2): 243- 267.
- *34. Datta, A. & **G.S. Rawat** 2004. Nest site selection and nesting success of three hornbill species in Arunachal Pradesh, north-east India: Great Hornbill *Buceros bicornis*, Wreathed Hornbill *Aceros undulatus* and Oriental Pied Hornbill *Anthracoceros albirostris*. *Bird Conservation International* 14: 39-52.
- *35. Padmawathe, R., Q. Qureshi & **G.S. Rawat**. 2004. Effects of selective logging on vascular epiphyte diversity in a moist lowland forest of Eastern Himalaya, India. *Biological Conservation*. 119: 81-92.
- *36. Panwar, S., **G.S. Rawat** & B.C. Choudhury. 2004. Recovery of frog and lizard communities following primary habitat alteration in Mizoram, Northeast India. *BMC Ecology* 4 (10):1-16.
- *37. **Rawat, G.S.** & B.S. Adhikari. 2005. Floristics and Distribution of Plant Communities across Moisture and Topographic Gradients in Tso Kar Basin, Changthang Plateau, Eastern Ladakh. *Arctic, Antarctic & Alpine Research* 37 (4): 539-544.
38. **Rawat, G.S.** 2005. Vegetation dynamics and management of Rhinoceros habitat in Duars of West Bengal: An Ecological Review. *National Acad. Sci. Letters* Vol. 28 (5 & 6): 179-186.

39. **Rawat, G.S.** 2005. Terrestrial vegetation and ecosystem coverage within India Protected Areas. National Acad. Sci. Letters Vol. 28 (7 & 8): 241 -250.
40. Uniyal, S.K., Awasthi, A. & **G.S. Rawat** 2005. Biomass availability and forage quality of *Eurotia ceratoides* Mey in rangelands of Changthang, Eastern Ladakh. Current Science 89 (1) 201-205.
41. Adhikari, B.S., S.K. Uniyal, A. Awasthi & **G.S. Rawat**. 2005. Bird observations from Tehri Dam Submergence Zone, West Himalaya, Uttaranchal. The Indian Forester 131 (2): 251-256.
42. Adhikari, B.S., M.M. Babu, P.L. Saklani & **G.S. Rawat**. 2005. Distribution, Use Pattern and Potential for conservation of medicinal climbers in Uttaranchal State. The Indian Forester. 131 (7): 901 – 916.
43. Joshi, P.K., **G.S. Rawat**, H. Padalia, & P. S. Roy. 2005. Land use / Land Cover Identification in an alpine and arid region (Nubra Valley, Ladakh) using satellite remote sensing. Journal of Indian Society of Remote Sensing 33 (3): 371-380.
- *44. Joshi, P.K., **G.S. Rawat**, H. Padilya & P.S. Roy. 2006. Biodiversity Characterization in Nubra Valley, Ladakh with special reference to plant resource conservation and bioprospecting. Biodiversity and Conservation (2006): 15: 4253 – 4270.
45. **Rawat, G.S.** & S.K. Singh. 2006. Structure and composition of woody vegetation along the altitudinal and human use gradients in Great Himalayan National Park, North-western Himalaya. Proc. Nat. Acad. Sci. India 76 (B) II: 194 -201.
46. Chandola, S., G.S. Rawat & H.B. Naithani. 2006. On the occurrence of a little known macaque in Uttaranchal. The Indian Forester. 132 (7): 885-887.
47. Naithani, H.B., S. Chandola & **G.S. Rawat**. 2006. Nomenclature and gregarious flowering of hill bamboo *Sinarundinaria falcata* (Nees) Chao & Renv. The Indian Forester. 132 (9): 1155 - 1158.
48. Kumar, S., **G.S. Rawat** and S. Sathyakumar. 2006. Winter Habitat Use by Himalayan Monal in parts of Kedarnath WS, Western Himalaya. J. Bombay Nat. Hist. Soc. (103) Jan – April 2006: 176 – 183.
49. **Rawat, G.S.** 2007. Pastoral Practices, Wild Mammals and Conservation Status of Alpine Meadows in Western Himalaya. J. Bombay Nat. Hist. Soc. Vol. 104 (1): 5-11.
50. Jishtu, V., G.S. Goraya & **G.S. Rawat**. 2007. Flora of Rupi Bhaba Wildlife Sanctuary: A Checklist. J. Econ. Tax. Bot. 31 (4): 953 – 970.
51. Sharma, N.K., A.K. Tiwari & **G.S. Rawat**. 2007. Assessment of plant species diversity in a part of Kumaon Himalaya, Uttaranchal showing evidence of pine dominance. The Indian Forester Vol. 133 (1): 122-132.
52. Kumar, P., J. S. Jalal & **G. S. Rawat**. 2007. Orchids of Chotanagpur, state of Jharkhand, India. Check List 3 (4): 297 – 304.
53. Kumar, P., J. S. Jalal & **G. S. Rawat**. 2008. *Geodorum attenuatum* Griff. (Orchidaceae): A new record from India. Richardiana 8 (2): 80 – 87.
54. Tiwari, U., A. Kotia & **G. S. Rawat**. 2008. On the occurrence of *Coeloglossum viride* (L.) Hartm. in India. Pleione 2 (2): 241 – 243. 2008.
55. Lal, K. & **G. S. Rawat**. 2008. Additions to the flora of Himachal Pradesh from Sirmaur District. Ind. Journ. Forestry 31 (1): 113 – 115, 2008.
- *56. Datta, A. & **G. S. Rawat**. 2008. Dispersal modes and spatial patterns of tree species in a tropical forest of Arunachal Pradesh, Northeast India. Tropical Conservation Science 1 (3): 163 – 185.
57. Jalal, J.S., P. Kumar, **G. S. Rawat** & Y.P.S. Pangtey. 2008. Orchidaceae of Uttarakhand, Western Himalaya, India. Check List 4(3): 304–320.
58. Jalal, J.S., P. Kumar & **G. S. Rawat**. 2008. Abundance and habitat types of orchids in Gori Valley, Uttarakhand. J. Orchid. Soc. India 22 (1-2): 63 – 67.
59. Jalal, J.S., P. Kumar, **G. S. Rawat** & Y.P.S. Pangtey. 2009. *Habenaria pubescens* Lindley: An interesting orchid from Western Himalaya. Richardiana IX (2): 76-84.
60. Jalal, J.S., P. Kumar & **G. S. Rawat**. 2009. Conservation of a rare Lady's Slipper Orchid (*Cypripedium cordigerum* D. Don) in Uttarakhand, Western Himalaya. The McAllen Orchid Society Journal 10 (2): 12 – 17.
- *61. Tambe, S. & **G.S. Rawat**. 2009. Ecology, Economics and Equity of the Pastoral Systems in the Khangchendzonga National Park, Sikkim Himalaya, India. Ambio 38 (2): 95 – 100.
62. Singh, G., H.B. Naithani & **G.S. Rawat**. 2009. Observations on the flora of Mandal Forests, Garhwal Himalaya. The Indian Forester 135 (2): 162 – 179.
63. Tambe, S. & **G.S. Rawat**. 2009. Traditional livelihood based on sheep grazing in the Khangchendzonga National Park, Sikkim. Indian Journal of Traditional Knowledge Vol. 8(1): 75-80 January 2009

64. Kumar, P., J.S. Jalal & **G.S. Rawat**. 2009. On the occurrence of *Pecteilis triflora* (T. Tang) F. T. Wang (Orchidaceae) in India. *Richardiana*. IX (4): 161-171.
65. Kumar, P. & **G.S. Rawat**. 2009. *Eulophia flava*. *The Orchid Review*. September 2009: 154-157.
66. Adhikari, B.S., S.K. Uniyal & **G. S. Rawat**. 2009. Vegetation structure and community patterns in Tehri Dam submergence zone, Uttarakhand, India. *EurAsia J. Biosci.* 3: 40-49.
67. Tiwari, U., A. Kotia & **G.S. Rawat**. 2009. Medico-ethnobotany of Monpas in Tawang and West Kameng Districts of Arunachal Pradesh, India. *Pleione* 3 (1): 1-8.
68. Tiwari, U., A. Kotia, T. Mewada & **G.S. Rawat**. 2009. New Distributional Record of an endemic orchid, *Peristylus stocksii* (Hook. f.) Kranzl. from Rajasthan. *Indian Journal of Forestry* 32(1): 149-152.
- *69. Page, N., Q. Qureshi, **G. S. Rawat** & C.G. Kushalappa. 2009. Plant diversity in sacred forest fragments of Western Ghats: a comparative study of four life-forms. *Plant Ecology* (July 2009): 1-14.
70. Bhattacharya, S., B.S. Adhikari & **G.S. Rawat**. 2009. Abundance of Royle's pika (*Ochotona roylei*) along an altitudinal gradient in Uttarakhand, Western Himalaya. *Hystrix. Int. Journ. Mamm. (n.s.)* 20(2): 111-119.
71. Bhattacharya, T., S. Sathyakumar & **G.S. Rawat**. 2009. Distribution and abundance of Galliformes in response to anthropogenic pressures in the buffer zone of Nanda Devi Biosphere Reserve. *Int. J. Galliformes Conservation*. 1: 78 – 84.
- *72. Kittur, S., S. Sathyakumar & **G. S. Rawat**. 2009. Assessment of habitat use overlap between Himalayan tahr and livestock in Kedarnath Wildlife Sanctuary, India. *Eur. J. Wildl. Res.* Aug. 2009: 3-12
- *73. Singh, G., **G. S. Rawat** & D. Verma. 2010. Comparative study of fuel-wood consumption by villagers and seasonal Dhaba owners in 'tourist affected' regions of Garhwal Himalaya, India. *Energy Policy* 38 (2010): 1895 – 1899.
74. Jalal, J.S., I.D. Rai, P. Kumar, **G. S. Rawat** & Y.P.S. Pangtey. 2010. *Platanthera leptocaulon* (Hooker f.) Soo: An addition to the orchid flora of Western Himalayas, India. *Richardiana* 10 (2): 85 – 93.
75. Rai, I.D., B.S. Adhikari & **G. S. Rawat**. 2010. A unique patch of timberline ecotone with three species of Lady's Slipper Orchids in Garhwal Himalaya, India. *Journal of Threatened Taxa*. 2 (3): 766 – 769.
76. Kotia, A., P. Kumar, U.K. Tiwari, A.N. Prasad & **G. S. Rawat**. 2010. New distributional records of some orchids from Chhattisgarh state (Kanger Valley National Park), India. *Indian Forester* 136 (1): 354 – 358.
- *77. Kumar, P., **G.S. Rawat** & J.S. Jalal. 2010. *Peristylus sahanii*, a new species of Orchidaceae from India. *Kew Bulletin* 65: 1-4.
78. Rai, I., P.Kumar, R. Bharti, B.S. Adhikari & **G.S. Rawat**. 2010. *Corallorhiza trifida* Chatel.: A Little Known Partial Myco-heterotrophic Fungus from the Valley of Flowers National Park, Western Himalaya, India. *Taiwania* 55 (4): 391 – 395.
69. Tambe, S. & **G. S. Rawat**. 2010. The alpine vegetation of Khangchendzonga Landscape, Sikkim Himalaya. *Mountain Research & Development*. 30 (3): 266 – 274.
- *80. Chanchani, P., **G. S. Rawat** & S. P. Goyal. 2010. Unveiling a wildlife haven: Status and distribution of four trans-Himalayan ungulates in Sikkim, India. *Oryx* 2010: 1-10.
81. Jalal, J.S., I.D. Rai, P. Kumar, **G. S. Rawat** & Y.P.S. Pangtey. 2010. *Platanthera leptocaulon* (Hooker f.) Soo: An addition to the orchid flora of Western Himalayas, India. *Richardiana* 10 (2): 85 – 93.
82. Sivakumar, K., S. Sathyakumar & **G. S. Rawat**. 2010. A preliminary review on the Conservation status of Shivalik Landscape in Northwest India. *Indian Forester* 136 (10): 1376 – 1382.
- *83. Namgail, T., G.S. Rawat, C.D. Mishra, S.E. van Wieren, & H.T. Prins. 2010. Biomass and diversity of dry alpine plant communities along altitudinal gradients in the Himalayas. *J. Plant Res.* DOI.10. 1007/s10265. Pp. 1-10.
- *84. Tambe, S., K. Ramesh & **G.S. Rawat**. 2012. Assessment of landscape characteristics and changes in the Khangchendzonga National Park, Sikkim Himalaya, India. *Geophysics and Remote Sensing* 1(1): 1-8.
- *85. Jalal, J.S., P. Kumar & **G.S. Rawat**. 2012. *Nervilia pangteyana* sp. nov., a terrestrial orchid from Western Himalaya, India. *Nordic J. of Botany*. 30: 001 – 005. 2012.
- *86. Bharti, R.R., B.S. Adhikari & **G.S. Rawat**. 2012. Assessing vegetation changes along timberline ecotone in Nandadevi National Park, Uttarakhand (India). *International Journal of Applied Earth Observations & Geoinformatics*. 18: 472 – 479.
- *87. Rai, I.D., B.S. Adhikari & **G.S. Rawat**. 2012. Mass foliar damage at subalpine-Timberline ecotone in Western Himalaya due to extreme climatic events. *American Journal of Climate Change*. 1: 104 – 107.
- *88. Rai, I.D., B.S. Adhikari, **G.S. Rawat** & K. Bargali. 2012. Community structure along timberline ecotone in relation to micro-topography and disturbances in Western Himalaya. *Not. Sci. Biol.* 2012, 4 (2) 41 – 52.
89. Rai, I.D., B.S. Adhikari and **G.S. Rawat**. 2012. Floral Diversity along sub-alpine and alpine ecosystems in Tunghnath area of Kedarnath Wildlife Sanctuary, Uttarakhand. *Indian Forester* 138 (10): 927 – 940.

- *90. Tiwari, U.L. G.S. Rawat & B.S. Adhikari. 2012. Rediscovery of two endemic species of *Berberis* from Uttarakhand, Western Himalaya, India. *Biod. Res. & Cons.* 28: 19-24.
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