

## PROFILE

NAME: Dr. Jeewan Singh Jalal

DESIGNATION : Scientist-‘D’

YEAR OF BIRTH: 1979

FIELD OF SPECIALIZATION: Angiosperm taxonomy

SPECIAL INTEREST: Orchids (Orchidaceae)



PRESENTLY WORKING ON FAMILY / TRIBE / GENUS OR FLORA OF (AREA): Flora of India Vol. 25 & 26 (Family Orchidaceae)

PHONE : 020-29707072

E-MAIL : [jsjalal@bsi.gov.in](mailto:jsjalal@bsi.gov.in); [jeewan.orchid@gmail.com](mailto:jeewan.orchid@gmail.com)

ON GOING OTHER PROJECTS: Nil

COMPLETED PROJECTS:

1. An assessment of Orchid diversity of Central Western Ghats: Goa (2015-2017): A total 68 species of orchids were documented. Eighteen species were reported as a new record for the state.
2. Studies on the Orchids of Maharashtra with ecological aspects, population status of endemics and GIS mapping (2012-2015): A total 103 species of orchids were documented. A total 38 species were assessed as threatened for Maharashtra.

LIST OF PUBLICATIONS:

A. Research articles/papers:

1. **JALAL, J.S., J. JAYANTHI AND P. SURESH KUMAR. 2019.** *Habenaria agasthyamalaiana* (Orchidaceae), A new terrestrial orchid from the Southern Western Ghats, India. *Lankesteriana* 19(2): 93-98.
2. **JALAL, J.S. & J. JAYANTHI. 2019.** *Pecteilis korigadensis* (Orchidaceae: Orchidoideae), a new terrestrial orchid from the northern Western Ghats, India. *Phytotaxa* 388 (2): 167-173.
3. **SUYAL, R., R.S.RAWAL AND J.S.JALAL. 2018.** Noteworthy Additions to the Orchids of Kumaun Himalaya, India. *Indian Forester* 144 (8): 778-780.
4. **DOGRA, K.S., AMBRISH KUMAR & J.S.JALAL. 2017.** *Habenaria plantaginea* Lindl. (Orchidaceae)- A new addition to the flora of Chandigarh. *Indian Journal of Forestry* 41 (1): 95-96.
5. **JAYANTHI, J., J.S.JALAL & P.D.MULE. 2017.** Rediscovery of *Vanilla walkeriae* (Orchidaceae) after a lapse of 110 years from Karnataka. *Indian Forester* 144 (4): 394-395.

6. **JALAL, J.S. AND PARAMJIT SINGH. 2017.** Ecological Niche Modeling for Conservation of *Habenaria suaveolens* Dalzell and Endangered Orchid Species Endemic to Western Ghats: A Case Study. *Journal of Orchid Society of India*. 31: 77-83.
7. **JALAL, J.S. 2017.** New distributional records of orchids from Goa, *Indian Journal of Forestry* 40(2): 197-200.
8. **RAI, I.D., J.S.JALAL, GAJENDRA SINGH AND G.S.RAWAT. 2017.** Note on the occurrence of cryptic and Endangered Mycoheterotrophic Orchid *Galeola falconeri* Hook.f. from Western Himalaya. *Indian Forester*, 143 (7): 710-711.
9. **CHOWLU, K. AND J.S.JALAL. 2018.** Record of the endemic orchid *Biermannia jainiana* (Orchidaceae) from its type locality, India. *Journal of Threatened Taxa* Vol. 10, 11231-1233.
10. **JALAL, J.S. AND J. JAYANTHI. 2018.** An Updated Checklist of the Orchids of Maharashtra, India. *LANKESTERIANA* 18(1): 23–62.
11. **JAYANTHI, J. AND J.S. JALAL. 2017.** Taxonomic note on *Aphyllorchis tumkurensis*, a new synonym of *Cymbidium macrorhizon* (Orchidaceae). *L'Orchidophile* 213: 149-154.
12. **JALAL, J.S. AND J. JAYANTHI. 2017.** New addition of four *Dendrobium* species to orchid flora of Goa. *Phytotaxonomy*. Vol. 16: 31-34.
13. **JALAL, J.S. AND J. JAYANTHI. 2016.** *Vanda wightii* Rchb. f. (Orchidaceae): A New Record for Goa. *Indian Journal of Forestry*. 39(2): 161-163.
14. **JAYANTHI, J., J.S.JALAL AND M.D. PAWAR. 2016.** *Gynostemma pentaphyllum* (Thunb.) Makino (Cucurbitaceae) – a new record for Karnataka. *Indian Journal of Forestry*. 39(1): 79 – 80.
15. **JAYANTHI, J., J.S.JALAL AND P. LAKSHMINARASIMHAN. 2016.** Wild grasses and legumes of the Great Indian Bustard Wildlife Sanctuary, Maharashtra. *Ela Journal of Forestry & Wildlife* Vol. 5(2): 183 – 191.
16. **JAYANTHI, J., J.S.JALAL AND A.M. NEELIMA. 2016.** *Habenaria sahyadrica* (Orchidaceae) – A New Distributional Record for Karnataka State. *Indian Journal of Forestry*. 40(1): 77-78.
17. **JALAL, J.S., J. JAYANTHI AND P. LAKSHMINARASIMHAN. 2015.** Two species of *Peristylus* Blume (Orchidaceae), new additions to the flora of Goa, Western Ghats, India. *Richardiana* Vol. 16: 18 – 25.
18. **JALAL, J.S., J. JAYANTHI AND P. LAKSHMINARASIMHAN. 2015.** *Habenaria suaveolens* Dalzell (Orchidaceae), a new distributional record for Goa state. *Phytotaxonomy* 15: 206-208.
19. **JALAL, J.S. AND PARAMJIT SINGH. 2015.** Threatened Orchids of Maharashtra: A preliminary Assessment based on IUCN regional guidelines and conservation prioritization. *The Journal of the Orchid Society of India* 29: 1-14.
20. **JAYANTHI, J., AND J.S.JALAL. 2015.** Angiosperm diversity of the Great Indian Bustard Wildlife Sanctuary: a semi-arid grassland, Maharashtra, India. *Check List* 11(2): 1602.
21. **JAYANTHI, J., AND J.S.JALAL. 2015.** Invasive Alien Species of the Great Indian Bustard Wildlife Sanctuary, Maharashtra. *Indian Journal of Forestry* 38(1): 51 – 56.
22. **RAI, I.D., J.S.JALAL, GAJENDRA SINGH AND G.S. RAWAT. 2015.** Extended distribution of *Platanthera cumminsiana* (King and Pantl.) J. Renz (Orchidaceae) in Western Himalaya, India. *Indian Journal of Forestry* 38(1): 95-98. 2015.
23. **BHATT, M.R., J.S.JALAL AND P.S. NAGAR. 2015.** Extended distribution of *Geodorum laxiflorum* (Orchidaceae) in Gujarat, India. *Richardiana* 15: 333-341.
24. **RAI, I.D., J.S.JALAL, GAJENDRA SINGH, P. KUMAR. 2015.** A note on the occurrence of *Eulophia flava* (Lindl.) Hook. f. (Orchidaceae) in Kumaon Himalaya. *Indian Journal of Forestry* 38(3): 263-264.

25. JADHAV, C.R., **J.S.JALAL** AND J.JAYANTHI. **2015**. Extended distribution of *Phalaenopsis deliciosa* (Orchidaceae) in Goa, Western Ghats, India. *Richardiana* 15: 161 – 167.
26. DOGRA, K.S., S. CHAUHAN AND **J.S.JALAL**. **2015**. Assessment of Indian medicinal plants for the treatment of asthma. *Journal of Medicinal Plants Research* 9(32): 851-862.
27. GAJENDRA SINGH, I.D.RAI, G.S.RAWAT, G.S.GORAYA AND **J.S.JALAL**. **2015**. Addition to the Flora of Great Himalayan National Park, Western Himalaya. *Indian Journal of Forestry* 18(4): 175-181.
28. **JALAL, J.S.** AND J. JAYANTHI. **2015**. An Annotated Checklist of the Orchids of Western Himalaya, India. *Lankesteriana* 15(1): 7-50.
29. **JALAL, J.S.**, J. JAYANTHI AND A. SCHUITEMAN. **2014**. *Xenikophyton* Garay (Orchidaceae — Aeridinae), a new synonym of *Schoenorchis* Reinw. ex Blume. *Kew Bulletin* 69: 9508. DOI: 10.1007/s12225-014-9508-y.
30. JAYANTHI, J., K. KARTHIGEYAN, R. SUMATHI AND **J.S.JALAL**. **2014**. A review of the Orchid Diversity of Andaman & Nicobar Islands, India. *Richardiana* 15: 9 – 85.
31. JAYANTHI, J. AND **J.S. JALAL**. **2014**. Life-form and Biological Spectrum of Semi-arid grassland: Great Indian Bustard Wildlife Sanctuary, Maharashtra. *Phytotaxonomy* 14: 44 – 60.
32. KARTHIGEYAN, K., V.MAINA, R.SUMATHI, J.JAYANTHI AND **J.S. JALAL**. **2014**. *Habenaria osmastonii* (Orchidaceae), a new terrestrial orchid from the Andaman Islands, India. *Phytotaxa* 166 (2): 150 – 154.
33. JAYANTHI, J., K.KARTHIGEYAN, R.SUMATHI AND **J.S.JALAL**. **2014**. Taxonomic note on *Phalaenopsis speciosa* (Orchidaceae) in Andaman & Nicobar Islands, India. *Richardiana* 14: 242-246.
34. JAYANTHI, J., K.KARTHIGEYAN, R.SUMATHI AND **J.S. JALAL**. **2014**. *Pteroceras teres* (Orchidaceae). A new record for the Andaman & Nicobar Islands, India. *Richardiana*, 14: 140-145.
35. R.KR.SINGH, R.K, S.PATIL AND **J.S.JALAL**. **2014**. Resurrecting the Type Locality of *Ceropegia odorata* (Apocynaceae) After 175 Years. *Taprobanica* 6(2): 79 – 82.
36. RAI, I.D., **J.S.JALAL**, GAJENDRA SINGH AND G.S.RAWAT. **2014**. *Platanthera pachycaulon* (Orchidaceae): an addition to the orchid flora of Western Himalaya. *Richardiana* 14: 266-273.
37. PATIL, S., J.JAYANTHI, **J.S.JALAL** AND C.R.JADHAV. **2014**. *Crotalaria pallida* Aiton var. *obovata* (G. Don) Polhill (Fabaceae) – an extended distribution for Gujarat, Maharashtra, Goa and Karnataka. *Zoo's print* 19: 14 – 15.
38. **JALAL, J.S.** AND J.JAYANTHI. **2013**. Does *Habenaria panchganiensis* Santapau & Kapadia (Orchidaceae) Exist? *Taiwania*, 58(4): 316–320.
39. **JALAL, J.S.** AND J.JAYANTHI. **2013**. Current status and distribution of mycoheterotrophic Orchids of India. *Richardiana*. 137-155.
40. B.S.ADHIKARI, KUNZES ANGMO, **J.S. JALAL** & G.S.RAWAT. **2013**. Rediscovery of *Dactylorhiza kafiriana*, a lesser known orchid from Suru valley, Jammu and Kashmir, India. *Richardiana* 13: 220-225.
41. **JALAL, J.S.** AND S.C.GARKOTI. **2013**. Medicinal plants used in the cure of stomach disorders in Kumaon Himalaya, Uttarakhand, India. *Academia Journal of Medicinal Plants* 1(7): 116-121.
42. JAYANTHI, J. AND **J.S.JALAL**. **2013**. A note on *Crotalaria grahamiana* Wight & Arn. (Fabaceae). *Phytotaxonomy*. 13: 159 – 160.
43. SACHIN, S., KUMAR, R. SINGH, S.K. AND **J.S.JALAL**. **2013**. *Nervilia punctata* (Orchidaceae) – A new record for Northeast India. *Richardiana*. XIII: 32-38.

44. AMIT KOTIA, A., P. KUMAR, U. TIWARI, **J.S.JALAL** AND PARASAD, A.N. **2013**. Orchid Diversity and Distribution in Kanger Valley National Park, Chhattisgarh. *J. Econ. Taxon. Bot.* 37 (1): 207-215.
45. **JALAL, J.S. 2012**. Status, threats and conservation strategies for orchids of the western Himalaya, India. *Journal of Threatened Taxa*. 4(15): 3401-3409.
46. **JALAL, J.S. AND J. JAYANTHI. 2012**. Endemic Orchids of Peninsular India: A review. *Journal of Threatened Taxa*. In press.
47. **JALAL, J.S., J. JAYANTHI, C.R. JADHAV & SUJIT KUMAR DAS DAS. 2012**. Additions to the Type Material in the Herbarium of Botanical Survey of India Western Regional Centre. *J. Econ. Taxon. Bot.* 36(4): 702-706.
48. **JALAL, J.S., P. KUMAR, G.S. RAWAT. 2012**. *Nervilia pangteyana* sp. nov., a terrestrial orchid from western Himalaya, India. *Nordic Journal of Botany* 30 (4): 407-411.
49. **JALAL, J.S. 2012**. Altitudinal Distribution, Habitats and Life forms of Orchids of Western Himalaya. *Nelumbo* 54: 29-38.
50. **JALAL, J.S., P. KUMAR, A. KOTIA AND G.S. RAWAT. 2012**. On the occurrence of *Pelatantheria insectifera* (Orchidaceae) in Jim Corbett National Park, India. *Richardiana* 12 (3): 108-115.
51. **JALAL, J.S. 2012**. Snow orchid *Diplomeris hirsuta* (Lindl.) Lindl. is in distress, Western Himalaya. *The McAllen International Orchid Society Journal*. 13(6): 11-15.
52. **JALAL, J.S. 2012**. *Androcorys pugioniformis* (Lindl. ex Hook.f.) K.Y. Lang (Orchidaceae): New distributional record from Garhwal Himalaya, Western Himalaya, India. *Check List*. 8(3):592-594.
53. **JALAL, J.S. 2012**. Distribution Pattern of Orchids in Uttarakhand, Western Himalayas, India. *International Journal of Plant Biology*. 3(1): e5.
54. **JALAL, J. S. AND Y.P.S. PANGTEY. 2011**. Rediscovery of *Vanda alpina*, a rare epiphytic orchid in Western Himalaya, India. *Richardiana*, Vol. XI (4): 173-178.
55. RAWAT, V.S. AND **J.S. JALAL. 2011**. Sustainable Utilization of Medicinal Plants by Local Community of Uttarakhand District of Garhwal Himalaya, India. *European Journal of Medicinal Plants* 1(2): 18-25.
56. **JALAL, J.S. AND Y.P.S.PANGTEY. 2011**. *Gastrodia falconeri* recollected from Western Himalaya, India, *Richardiana*, Vol. XI (2): 53-60.
57. TEWARI, LM., **J.S.JALAL, S. KUMAR, Y.P.S.PANGTEY AND R. KUMAR. 2010**. Wild and Exotic Gymnosperms of Uttarakhand, Central Himalaya, India. *eJournal of Biological Sciences*. 4: 32-36.
58. **JALAL, J.S., P. KUMAR, G.S.RAWAT AND Y.P.S.PANGTEY. 2010**. *Goodyera vittata* (Lindl.) Benth. ex Hook. f: A new record of Jewel Orchid for Western Himalaya, India. *Journal of Non-Timber Forest Products*, Vol. 17(3): 333-334.
59. **JALAL, J.S., G.S.RAWAT AND PANKAJ KUMAR. 2010**. Status Distribution and Habitats of Orchids of Uttarakhand. *Journal of Orchid Society of India*. 24 (1-2): 35-41.
60. **JALAL, J.S., P.KUMAR, G.S.RAWAT AND Y.P.S.PANGTEY. 2010**. *Bulbophyllum hirtum* (Smith) Lindley (Orchidaceae) - New record from western Himalaya, India, *Indian Journal of Forestry*, Vol. 33(3): 447-448.
61. **JALAL, J.S., I.D.RAI, P.KUMAR, G.S.RAWAT AND 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.
62. PANKAJ KUMAR, G.S.RAWAT AND **J.S.JALAL. 2010**. *Peristylus sahanii*, a new species of orchidaceae from India. *Kew Bulletin*, Vol (65): 1-4.
63. **JALAL, J. S., P. KUMAR AND Y.P.S. PANGTEY. 2009**. *Habenaria pubescens* Lindley: an interesting orchid from Western Himalaya. *Richardiana* 9 (2): 76-84.

64. **JALAL, J.S., G.S.RAWAT AND P. KUMAR. 2009.** Conservation of rare Lady's slipper orchid (*Cypripedium cordigerum* D. Don) in Uttarakhand, Western Himalaya. *The McAllen Orchid Society Journal*. 10(2): 12-16.
65. **JALAL, J.S., P. KUMAR, L.M.TEWARI AND Y.P.S.PANGTEY. 2009.** Conservation status of the endemic orchid *Peristylus kumaonensis* Renz. (Orchidaceae) of Western Himalaya, India. *Nature and Science*. 7(5): 86-89.
66. **JALAL, J.S., P.KUMAR, L.M.TEWARI AND Y.P.S.PANGTEY. 2009.** *Nervilia gammieana* (Hook.f.) Pfitzer (Orchidaceae) - a new record for Kumaun Himalaya, India. *Journal of American Science* 2009:5(3) 91-94
67. **JALAL, J.S., L.M.TEWARI AND Y.P.S.PANGTEY. 2009.** *Pholidata articulata* Lindl., An Orchid Used in Bone Jointing in Kumaun Region, Western Himalaya. *Ethnobotanical Leaflets* 13: 1047-50.
68. **JALAL, J.S. AND G. S. RAWAT. 2009.** Habitat studies for conservation of medicinal orchids of Uttarakhand, Western Himalaya. *African Journal of Plant Science* Vol. 3 (9), pp. 200-204.
69. **KUMAR, P., J.S.JALAL AND G. S. RAWAT. 2009.** On the occurrence of *Pecteilis triflora* (D. Don) T.Tang & F.T.Wang (Orchidaceae) in India. *Richardiana* 9 (4): 161-171.
70. **GAJENDRA SINGH, G S RAWAT, AND J S JALAL. 2009.** Orchid Diversity of Mandal Valley in Kedarnath Wildlife Sanctuary, Western Himalaya. *J. Orchid Soc. India*, 22 (1-2): 43-47.
71. **KANCHAN, U, J.S.JALAL, L.M. TEWARI, G.C.JOSHI, Y.P.S.PANGTEY AND GEETA TEWARI. 2009.** Ethnomedicinal Uses of Pteridophytes of Kumaun Himalaya, Uttarakhand, India. *Journal of American Science*. 5(4):167-170.
72. **JALAL, J.S., G.S.RAWAT AND Y.P.S.PANGTEY. 2008.** *Ponerorchis nana* (King & Pantling) Soo. (Orchidaceae) a new record from Uttaranchal. *Journal of Bombay Natural History Society*. 104 (2): 249-250.
73. **JALAL, J.S., G.S.RAWAT AND Y.P.S.PANGTEY. 2008.** A note on *Listera teunis* Lindl. (Orchidaceae) in the orchid flora of Kumaon Himalaya. *Journal of Bombay Natural History Society*. 104 (2): 250.
74. **PANGTEY, Y.P.S., LALIT M. TEWARI, K. UPRETI AND J. S. JALAL. 2008.** On the occurrence of *Rubus niveus* Thunb. (Rosaceae) in the Tarai Region of Kumaun in Uttarakhand. *Indian Journal of Forestry*, Vol. 31 (1): 117-118.
75. **JALAL, J.S., G.S.RAWAT AND PANKAJ KUMAR. 2008.** Abundance and habitat types of orchids in Gori valley, Eastern Uttarakhand. *J. Orchid Soc. India*, 22 (1-2): 63-67.
76. **JALAL, J.S., P.KUMAR, G.S.RAWAT AND Y.P.S.PANGTEY. 2008.** Check list Orchidaceae, Uttarakhand, Western Himalaya, India. *Check List* 4 (3): 304-320.
77. **KUMAR, P., J.S.JALAL AND G.S.RAWAT. 2008.** *Geodorum attenuatum* Griff. (Orchidaceae): A new record from India. *Richardiana* 8 (2): 74-81.
78. **Kumar, P., J.S.Jalal & G.S.Rawat. 2008.** Pollinarium of *Phaius tankervilleae* (Orchidaceae). *Richardiana* 8 (3): 134-137.
79. **JALAL, J.S., P.KUMAR AND Y.P.S.PANGTEY. 2008.** Ethnomedicinal Orchids of Uttarakhand, Western Himalaya. *Ethnobotanical Leaflets* 12: 1227-1230.
80. **JALAL, J.S., G.S.RAWAT AND P. KUMAR. 2008.** An initiative to community based Orchid conservation in the Gori Valley, Uttarakhand, Western Himalaya, India. *The McAllen Orchid Society Journal*. 9 (1): 12-16.
81. **JALAL, J. S., G.S. RAWAT AND Y.P.S. PANGTEY. 2007.** Rediscovery of a rare orchid (*Androcorys pugioniforme*) Lindl. ex Hook. f.) K.Y.Lang- Orchidaceae in Uttarakhand from Kumaun Hills. *Indian Journal of Forestry*, 30(3): 337-338.

82. **JALAL, J.S., G.S. RAWAT AND Y.P.S.PANGTEY. 2007.** A note on the occurrence of *Ornithochilus difformis* (Wall. Ex Lindl.) Schltr. (Orchidaceae) in Kumaun Himalaya. *Indian Journal of Forestry*, Vol. 30 (4): 523-524.
83. KUMAR, P., **J.S.JALAL & G S RAWAT. 2007.** Check list Orchidaceae, Chotanagpur, state of Jharkhand, India. *Check List* 3 (4): 297-304.
84. **JALAL, J.S., G.S. RAWAT AND Y.P.S.PANGTEY. 2006.** A note on the identity of *Bulbophyllum secundum* Hook.f. (Orchidaceae) in the orchid flora of Uttaranchal. *Journal of Economic and Taxonomic Botany*. 30: 211-212.
85. **JALAL, J.S., G.S. RAWAT AND Y.P.S. PANGTEY. 2006.** *Peristylis affinis* (D.Don.) Seidenf. (Orchidaceae) a new record from Kumaon Himalaya (Uttaranchal). *Journal of Economic and Taxonomic Botany*. 30: 401-402.
86. **JALAL, J.S., G.S. RAWAT AND Y.P.S. PANGTEY. 2006.** Recollection of *Eulophia hormusji* Duthie. (Orchidaceae) from the foothills of the Kumaun Himalaya. *Journal of Economic and Taxonomic Botany*. 30: 424-426.

#### B. Books:

1. SINGH, S.K., D.K.AGRAWALA, **J.S.JALAL**, S.S.DASH, A.A.MAO AND P.SINGH. **2019.** Orchids of India – A pictorial guide. Botanical Survey of India, Kolkata.
2. **JALAL, J.S. 2018.** Orchids of Maharashtra, Botanical Survey of India, Kolkata.

#### C. Book chapters:

1. **JALAL, J.S., G.S.RAWAT AND Y.P.S. PANGTEY. 2010.** Current Status of Orchids in Uttarakhand and Strategies for their Conservation. Biodiversity Potentials of the Himalaya (eds. L.M.Tewari, Y.P.S. Pangtey and Geeta Tewari) pp 387-396.
2. KANCHAN, U., L.M.TEWARI, Y.P.S.PANGTEY AND **J.S.JALAL. 2010.** Diversity and Distribution of wild Edible Fruits Plants of Uttarakhand. Biodiversity Potentials of the Himalaya (eds. L.M.Tewari, Y.P.S.Pangtey and Geeta Tewari) pp 157-196.
3. KUMAR, P., A.K.PANDEY, G.S.RAWAT AND **J.S.JALAL. 2005.** Diversity and Conservation of orchids in Jharkhand. Plant Taxonomy: Advances and Relevance (eds. A.K.Pandey, Jun Wen and J.V.V. Dogra) pages 345-353.

#### D. Hindi articles:

1. **जीवन सिंह जलाल और जे० जयंती. 2012.** भारत की ऑर्किड विविधता. *Vanaspati Vani* 22 (21): 126.
2. **जीवन सिंह जलाल और जे० जयंती. 2013.** भारत में पाये जाने वाले औषधीय आर्किड्स, *Vanaspati Vani*. Vol. 22: 79 – 81.
3. S.K.Singh and J.S. Jalal. 2013. भारत में लेपारीस वंश (आर्किडेसी), *Vanaspati Vani* Vol. 22: 30-33. 2013.
4. जे० जयंती और **जीवन सिंह जलाल. 2014.** ग्रेट इंडियन बस्टर्ड अभयारण्य की वानस्पतिक विविधता, *Vanaspati Vani*. Vol. 23: 30 – 33.
5. समीर पाटिल, **जीवन सिंह जलाल**, जे० जयंती और ए. बेन्निआमिन. 2014. पश्चिमी घाट के कुछ स्थानिक सिरोपेजिया, *Vanaspati Vani*. Vol. 23: 26 – 29.

#### SIGNIFICANT CONTRIBUTIONS:

##### A. New taxa described:

1. *Pecteilis korigadensis* Jalal & Jayanthi
2. *Habenaria agasthyamalaiana* Jalal, Jayanthi & Sureshkumar
3. *Habenaria osmastonii* Karthig., Maina, Sumathi, Jayanthi & Jalal
4. *Nervilia pangteyana* Jalal, Kumar & G.S.Rawat
5. *Peristylus sahanii* P. Kumar, G.S.Rawat & Jalal

B. New distributional records to India and region:

1. *Geodorum attenuatum* Griff.: for India.
2. *Geodorum laxiflorum* Griff.: for Western Ghats.
3. *Pteroceras teres* (Blume) Holttum: for Andaman & Nicobar Islands.
4. *Goodyera vittata* (Lindl.) Benth. ex Hook. for Western Himalaya
5. *Platanthera leptocaulon* (Hooker f.) Soo: for Western Himalaya
6. *Platanthera pachycaulon* (Hook.f.) Soó: for Western Himalaya