

## PROFILE

**NAME: DR. J. JAYANTHI**

**DESIGNATION: SCIENTIST 'E'**

**YEAR OF BIRTH: 1976**

**FIELD OF SPECIALIZATION: ANGIOSPERM TAXONOMY**

**SPECIAL INTEREST: FLORISTIC STUDIES**

**PRESENTLY WORKING ON FAMILY /**

**TRIBE / GENUS OR FLORA OF (AREA): FLORA OF INDIA Vol.17 (Asclepiadaceae –  
Menyanthaceae)**

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### **COMPLETED PROJECTS:**

1. Floristic diversity of Great Indian Bustard Wildlife Sanctuary, Maharashtra (2010-2013): A total of 434 plant species were documented from this semi-arid grassland habitat.
2. Floristic diversity of BRT Wildlife Sanctuary (Tiger Reserve), Karnataka (2013-2018): A total of 1350 plant species were documented. Two species collected from this sanctuary formed new distributional record for Karnataka. One orchid species was rediscovered after a lapse of 110 years.

### **LIST OF PUBLICATIONS:**

#### **A. Research articles/papers:**

JALAL, J.S., **J.JAYANTHI** AND P. SURESHKUMAR. 2019. *Habenaria agasthyamalaiana* (Orchidaceae), a new terrestrial orchid from the southern western Ghats, India. *Lankesteriana* 19(2): 93 – 98.

JALAL, J.S. AND **J.JAYANTHI**. 2019. *Pecteilis korigadensis* (Orchidaceae: Orchidoideae), a new terrestrial orchid from the northern Western Ghats, India. *Phytotaxa* 388 (2): 167 – 173.

**JAYANTHI, J.**, J.S.JALAL AND P.D. MULE. 2018. Rediscovery of *Vanilla walkeriae* (Orchidaceae) after a lapse of 110 years from Karnataka. *Indian Forester* 144(4): 394 – 395.

**JAYANTHI, J.**, J.S.JALAL AND A.M. NEELIMA. 2017. *Habenaria sahyadrica* (Orchidaceae) – a new distributional record. *Indian Journal of Forestry* Vol. 40(1): 77 – 78.

**JAYANTHI, J. AND J.S.JALAL.** 2017. Note taxonomique sur *Aphyllorchis tumkurensis*, un nouveau synonyme de *Cymbidium macrorhizon* (Orchidaceae). L'Orchidophile Vol. 48(2): 149 – 154.

**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.

**LAKSHMINARASIMHAN, P. AND J.JAYANTHI.** 2016. Botanic Gardens in the conservation of threatened trees of India. Vanashobha (2015-16): 66 – 71.

**DAS DAS, S.K. AND J.JAYANTHI.** 2016. Note on a little known endemic legume *Crotalaria lutescens*, from Western Ghats, India. Nelumbo 57: 66 – 68.

**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.

**KARTHIGEYAN, K. AND J.JAYANTHI.** 2016. *Ficus concinna* (Miq.) Miq.(Moraceae) – A new record to West Bengal from Jaldapara National Park. Indian Journal of Forestry 39(3): 287 – 289.

**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.

**KARTHIGEYAN, K. AND J.JAYANTHI.** 2016. *Popowia arfakensis*, a new name for *P. parvifolia* Scheff. (Annonaceae). Phytotaxa 273 (3): 212.

**JAYANTHI, J. AND J.S.JALAL.** 2015. Angiosperm diversity of the Great Indian Bustard Wildlife Sanctuary: a semi-arid grassland, Maharashtra, India in Checklist 11 (2): 1602. doi: <http://dx.doi.org/10.15560/11.2.1602>.

**JAYANTHI, J., K.KARTHIGEYAN AND R.SUMATHI.** 2015. *Phyllanthus gracilipes* (Miq.) Muell.Arg. (Euphorbiaceae) – A new record for India from Great Nicobar Island. Malayan Nature Journal 65(4): 243 – 246.

**JALAL, J.S., J. JAYANTHI AND P. LAKSHMINARASIMHAN.** 2015. *Habenaria suaveolens* Dalzell (Orchidaceae), a new distributional record for Goa state. Phytotaxonomy 15: 206 – 208.

**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.

**JALAL, J.S. AND J.JAYANTHI.** 2015. An Annotated Checklist of the Orchids of Western Himalaya, India. Lankesteriana 15(1): 7—50.

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.

**JAYANTHI, J.** AND J.S.JALAL. 2015. Invasive alien species of the Great Indian Bustard Wildlife Sanctuary, Maharashtra, India. Indian Journal of Forestry 38(1): 51 – 56.

**JAYANTHI, J.** AND J.S.JALAL. 2015. Life-form and biological spectrum of semi-arid grassland: Great Indian Bustard Wildlife Sanctuary, Maharashtra. Phytotaxonomy 14: 44 – 60.

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.

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.

**JAYANTHI, J.,** K.KARTHIGEYAN, R.SUMATHI AND J.S.JALAL. 2014. Taxonomic note on *Phalaenopsis speciosa* (Orchidaceae), India. Richardiana 14: 242 – 245.

PATIL, S.C., **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. Zoos Print 29(9): 14 – 15.

**JAYANTHI, J.** AND J.S. JALAL. 2013 (2014). A note of *Crotalaria grahamiana* Wight and Arn. (Fabaceae). Phytotaxonomy. Vol. 13: 159 – 160.

JALAL, J.S., **J.JAYANTHI** AND P. KUMAR. 2014. *Eulophia spectabilis*: A high value medicinal orchids under immense threat due to overexploitation for medicinal uses in Western Ghats of Maharashtra, India. The MIOS Journal 15(10): 9 – 15.

JALAL, J.S., **J.JAYANTHI** AND P.KUMAR. 2014. A note on the morphological variations in *Rhynchostylis retusa* (Orchidaceae) in Maharashtra, India. The MIOS 15(11): 16 – 20.

**JAYANTHI, J.,** K. KARTHIGEYAN, R. SUMATHI AND J.S. JALAL. 2014. *Pteroceras teres* (Orchidaceae). A new record for the Andaman and Nicobar Islands, India. Richardiana. Vol. 14: 140 – 145.

JALAL, J.S. AND **J. JAYANTHI**. 2013. Does *Habenaria panchganiensis* Santapau and Kapadia (Orchidaceae) exist?. Taiwan. 58(4): 316 – 320.

JALAL, J.S. AND **J. JAYANTHI**. 2013. Current status and distribution of mycoheterotrophic Orchids of India. Richardiana. Vol. 13: 137 – 155.

JALAL, J.S., **J. JAYANTHI**, C.R.JADHAV AND S.K.DAS DAS. 2013. Additions to the Type materials in the Herbarium of Botanical Survey of India, Western Regional Centre, Pune. Journal of Econ. Taxon. Bot. 36(4): 702 – 706.

**JAYANTHI, J.**, K. KARTHIGEYAN AND R.SUMATHI. 2013. *Argostemma timorens* Miq. – an addition to Indian Rubiaceae from Great Nicobar Island. Taiwaniana 58(3): 226 – 228.

**JAYANTHI, J.**, K. KARTHIGEYAN AND R. SUMATHI. 2013. *Erythroides blumei* (Orchidaceae) – a new addition to the orchid flora of Andaman and Nicobar Islands, India. Indian Journal of Forestry, Vol. 36(3): 417 – 418.

SUMATHI, R., K. KARTHIGEYAN AND **J. JAYANTHI**. 2013. New records of Orchids from Saddle Peak National Park (North Andaman) Andaman and Nicobar Islands. Indian Journal of Forestry, Vol. 36(1): 135 – 138.

KARTHIGEYAN, K., R.SUMATHI AND **J. JAYANTHI**. 2012. Recollection of a rare epiphytic orchid *Taeniophyllum filiforme* J.J.Sm.(Orchidaceae) after a lapse of 135 years from South Andaman Islands, India. Journal of Threatened Taxa 4(15): 3433 – 3435.

**JAYANTHI, J.**, K. KARTHIGEYAN AND R. SUMATHI. 2012. *Epirixanthes* Blume – a new genus addition to the myco-heterotrophic flora of Andaman and Nicobar Islands, India. Indian Journal of Forestry. Vol. 35(2): 273 – 274.

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KARTHIGEYAN, K., **J. JAYANTHI** AND R. SUMATHI. 2011. *Lasianthus chowdheryi* sp. nov. (Rubiaceae) from Andaman and Nicobar Islands, India. Nordic J. Botany 29: 451 – 454.

**JAYANTHI, J.**, R. SUMATHI, K. KARTHIGEYAN AND D. NARASIMHAN. 2011. *Appendicula nicobarica* (Orchidaceae – Epidendroideae – Podochileae), a new species from Great Nicobar Biosphere Reserve, India. Edinburgh Journal of Botany 68(2): 321 – 324.

KARTHIGEYAN, K., R. SUMATHI AND **J. JAYANTHI**. 2011. On the occurrence of *Pseuduvaria reticulata* (Blume) Miq. (Annonaceae) from Andaman and Nicobar Islands, India. Indian Journal of Forestry 34(4): 473 – 474.

SUMATHI, R., **J. JAYANTHI** AND K. KARTHIGEYAN. 2011. *Liparis atosanguinea* (Ridl.) Orchidaceae, a new orchid addition to India from Andaman and Nicobar Islands. Taiwaniana 56(3): 257 – 260.

**JAYANTHI, J.**, K. KARTHIGEYAN, R. SUMATHI AND P.G. DIWAKAR. 2011. *Ardisia elliptica* Thunb. – an addition to the flora of Andaman and Nicobar Islands, India. J. Econ. Taxon. Bot. 35(1): 114 – 115.

KARTHIGEYAN, K., R. SUMATHI, **J. JAYANTHI** AND P.G. DIWAKAR. 2011. New reports to the flora of Andaman and Nicobar Islands from Mahatma Gandhi Marine National Park, South Andaman. *Indian Forester* 137(5): 653 – 656.

KARTHIGEYAN, K., **J.JAYANTHI**, R.SUMATHI AND P.G.DIWAKAR 2010 (2011). New additions to the sedge flora of Andaman and Nicobar Islands. *Journal of Bombay Natural History Society* 107(3): 264 – 266.

DIWAKAR, P.G. AND **J. JAYANTHI**. 2011. Andaman and Nicobar Islands – floristic studies in the last 50 years. *Phytotaxonomy*, 11: 74 – 79.

**JAYANTHI**, J., K. KARTHIGEYAN, R. SUMATHI AND P.G. DIWAKAR. 2010. Notes on *Medinilla* Gaudich. (Melastomataceae) from Great Nicobar Island, India. *Nelumbo* 51: 1 – 4.

KARTHIGEYAN, K., R. SUMATHI, **J. JAYANTHI** AND C. LIVINGSTONE. 2010. *Peristylus balakrishnanii* (Orchidaceae), a new species from the Andaman archipelago, India. *Kew Bulletin* 65: 1 – 3.

KARTHIGEYAN, K., R. SUMATHI, **J. JAYANTHI** AND D. NARASIMHAN. 2010. *Codonacanthus sanjappae* sp. nov. (Acanthaceae) from Andaman and Nicobar Islands, India. *Nordic Journal of Botany* 28(1 - 2): 28: 501 – 502.

KARTHIGEYAN, K., R. SUMATHI AND **J. JAYANTHI**. 2010. *Orophea narasimhanii* sp. nov. (Annonaceae) from Andaman Islands, India. *Nordic Journal of Botany* 28(1): 56 – 57.

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DIWAKAR, P.G., R. SUMATHI, **J. JAYANTHI** AND K. KARTHIGEYAN. (2008) 2010. Contribution to the Flora of Limestone Caves in Baratang Island, Andamans. *Bulletin of Botanical Survey of India*. 50: 19 – 22.

KARTHIGEYAN, K., R. SUMATHI, **J.JAYANTHI** AND P.G. DIWAKAR. 2009. New records of plants to the flora of India from South Andaman Island. *Indian Journal of Forestry* 32(2): 301 – 303.

SUMATHI, R., **J.JAYANTHI**, K. KARTHIGEYAN AND D. NARASIMHAN. 2009. New Reports to the Flora of India from Saddle Peak National Park, North Andaman. *Rheedea* 19: 69 – 71.

KARTHIGEYAN, K., R. SUMATHI, **J.JAYANTHI**, G.S. LAKRA AND M.U. SHARIEF. 2007. *Byttneria pilosa* Roxb. (Sterculiaceae) – a case of extended distribution to Andamans. *Indian Forester* 133(5): 707 – 708.

KARTHIGEYAN, K., R. SUMATHI, **J.JAYANTHI** AND P.V. SREEKUMAR. 2007. *Bulbophyllum serratotruncatum* Seidenf. (Orchidaceae) – a new record for India, from the Andaman Islands. Indian Journal of Forestry 30(1): 75 – 76.

**JAYANTHI, J.**, R. SUMATHI, K. KARTHIGEYAN AND P.V. SREEKUMAR. 2006. *Liparis elegans* Lindl. (Orchidaceae) - new report to India from Great Nicobar Biosphere Reserve. J. Econ. Taxon. Bot. 30(1): 195 – 197.

**JAYANTHI, J.**, R. SUMATHI, K. KARTHIGEYAN AND P.G. DIWAKAR. 2006. *Erythrorchis* Bl.- a new genus record for the orchid flora of Bay Islands. J. Econ. Taxon. Bot. 30(1): 183 – 185.

SUMATHI, R., K. KARTHIGEYAN, **J.JAYANTHI** AND P.G. DIWAKAR. 2005. *Leptopus sanjappae* (Euphorbiaceae), a new species from the Andaman Islands, India. Bull. Bot. Surv. India. 47(1-4): 155 – 158.

RADHAKRISHNAN, V.M., R. SUMATHI AND **J.JAYANTHI**. 2005. *Hybanthus enneaspermus* (L.) F.Muell. – an addition to the weed flora of Andaman & Nicobar Islands. J. Bombay Nat. Hist. Soc. 102(1): 132.

KARTHIGEYAN, K., **J.JAYANTHI**, R. SUMATHI AND P.G. DIWAKAR. 2004. Xyridaceae a new family report to the Andaman Islands. J. Econ. Taxon. Bot. 28(4): 919 – 921.

KARTHIGEYAN, K., R. SUMATHI, **J.JAYANTHI**, P.G. DIWAKAR AND G.S. LAKRA. 2004. *Limnocharis flava* (L.) Buchenau (Alismataceae) – a little known and troublesome weed in Andaman Islands. Current Science 87(2): 140 – 141.

SUMATHI, R., **J.JAYANTHI**, P.V. SREEKUMAR AND D. NARASIMHAN. 2004. *Chionanthus ramiflorus* Roxb. var. *peninsularis* Ravik. & Lakshm. an extended distribution to Andaman & Nicobar Islands. J. Bombay Nat. Hist. Soc. 101(1): 195.

SUMATHI, R., **J.JAYANTHI**, K. KARTHIGEYAN AND P.V. SREEKUMAR. 2003. *Anoectochilus narasimhanii* (Orchidaceae), a new jewel orchid from the Andaman Islands, India. Blumea 48: 285 – 287.

SUMATHI, R., **J.JAYANTHI**, K. KARTHIGEYAN AND P.G. DIWAKAR. 2003. Insearch of *Phalaenopsis*. Envis Newsletter 7: 5.

**JAYANTHI, J.**, W. ARIS DASON, D. NARASIMHAN AND C. LIVINGSTONE. 2002. *Fimbristylis acuminata* Vahl – an addition to sedge flora of Tamil Nadu, India. J. Econ. Taxon. Bot. 26(1): 236 – 238.

## **B. Books:**

J. JAYANTHI. 2018. Flora of Campbell Bay National Park, Great Nicobar, India. Botanical Survey of India, Kolkata.

### C. Hindi articles:

**JAYANTHI, J. AND J.S. JALAL.** 2014. Great Indian Bustard abhyaran ki vanaspati vividatha. Vanaspati Vani. Vol. 23: 30 – 33.

PATIL, S.C., J.S. JALAL, **J. JAYANTHI** AND A. BENNIAMIN. 2014. Paschimi ghat ki kuch sthaniya Ceropegia. Vanaspati Vani. Vol. 23: 26 – 29.

JALAL, J.S. AND **J. JAYANTHI.** 2013. Bharat mai paaye jaane wale oushadiya orchids. Vanaspati Vani. Vol. 22: 79 – 81.

JALAL, J.S. AND **J. JAYANTHI.** 2012. Bharat-ki-orchid-vividatha. Vanaspati Vani Vol. 21: 126 – 130.

TIGGA, M., P.G. DIWAKAR AND **J. JAYANTHI.** 2004. Great Nicobar ki adim jan jaathi Shompen avum unka vanaspathik gyan. Vanaspati Vani. 2004. 60 – 67.

### 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. *Lasianthus chowdheryi* Karthig., Sumathi & Jayanthi
5. *Appendicula nicobarica* Jayanthi, Sumathi, Karthig. & D.Naras.
6. *Medinilla balakrishnanii* Jayanthi, Karthig., Sumathi & Diwakar
7. *Peristylus balakrishnanii* Karthig., Sumathi & Jayanthi
8. *Codonacanthus sanjappae* Karthig., Sumathi, Jayanthi & D. Naras.
9. *Orophea narasimhanii* Karthig., Sumathi & Jayanthi
10. *Anoectochilus narasimhanii* Sumathi, Jayanthi, Karthig. & Sreek.

#### B. New distributional records to India and region:

1. *Argostemma timorens* Miq. – India
2. *Bulbophyllum apodum* Hook.f. – India
3. *Bulbophyllum bakhuizenii* Steenis – India
4. *Bulbophyllum longebracteatum* Seidenf. - India

5. *Bulbophyllum serratotruncatum* Seidenf. – India
6. *Cleistanthus robustus* Muell.-Arg – India
7. *Ginalloa helferi* Kurz – India
8. *Goodenia koningsbergeri* (Back.) Back. ex Bold – India
9. *Liparis elegans* Lindl. – India
10. *Medinilla quadrifolia* (Blume) Blume – India
11. *Medinilla speciosa* (Reinw. ex Blume) Blume – India
12. *Phyllanthus gracilipes* (Miq.) Muell.Arg. – India
13. *Sciaphilla secundiflora* Thwaites ex Benth. – India
14. *Scolopia pusilla* (Gaeetn.) Willd. - India
15. *Acriopsis liliifolia* (J.Koenig.) Ormerod – Andaman & Nicobar region.
16. *Apostasia wallichii* R. Br. – Andaman & Nicobar region.
17. *Ardisia elliptica* Thunb. – Andaman & Nicobar region.
18. *Byttneria pilosa* Roxb. – Andaman & Nicobar region.
19. *Cryptostylis arachnites* (Blume) Hassk. – Andaman & Nicobar region.
20. *Eleocharis acutangula* (Roxb.) Schult. – Andaman & Nicobar region.
21. *Epirixanthes elongata* Blume – Andaman & Nicobar region.
22. *Erythrodes blumei* (Lindl.) Schltr. – Andaman & Nicobar region.
23. *Erythrorchis altissima* (Blume) Blume – Andaman & Nicobar region.
24. *Eurya nitida* Korth. – Andaman & Nicobar region.
25. *Liparis atosanguinea* Ridl. – Andaman & Nicobar region.
26. *Nephelaphyllum pulchrum* Blume – Andaman & Nicobar region.
27. *Pseuduvaria reticulata* (Blume) Miq. – Andaman & Nicobar region.
28. *Pteroceras teres* (Blume) Holttum – Andaman & Nicobar region.
29. *Scurrula parasitica* L. – Andaman & Nicobar region.
30. *Taeniophyllum filiforme* J.J.Sm. – Andaman & Nicobar region.



31. *Tristellateia australasiae* A. Rich. – Andaman & Nicobar region.

32. *Xyris indica* L. – Andaman & Nicobar region.