

Name: Dr. V.P. TEWARI
Designation: Director
Qualification: M.Sc., D.Phil.

Area of Specialization: Forest Biometrics
Research Interests: Forest Mensuration, Growth & Yield
Modelling
Expertise and Other Interest: Forest monitoring, Assessment and
Management



Honors/Awards/Fellowships/Recognition:

- Deputy Co-ordinator, IUFRO Div. 4, unit 4.01.03 (Instruments and Methods in Forest Mensuration)
- Chancellor's Gold Medal by Avadh University, Faizabad in 1981.
- FAO Fellow at Institute of Forest Management & Yield Sciences, Goettingen University, Germany from March 1995 to Feb. 1996.
- Brandis Prize for the year 1998 by the Indian Forester for publishing most outstanding paper in the field of Silviculture & Forest Management.
- Honorary member, Research Board of Advisors, American Biographical Institute since 2003.
- DAAD fellowship twice for two months short-term study and research visit To Germany (1st Aug.-30th Sept 2002 & 15th Dec. 2005 to 15th Feb. 2006).
- ITTO Fellowship for participation in the XXIII IUFRO World Congress held at the Korea Forest Research Institute, Seoul, South Korea during 23-28 August 2010.
- IUFRO-SAP Fellowship for participation in the XXIV IUFRO World Congress held at the Salt Lake City, Utah, USA during 5-11 October 2014.
- Member, UNCCD Roaster of Experts (from India)
- ICFRE National Subject Matter Coordinator on '*Forest Biometrics*'
- Associate Editor, Springer open access journal '*Forest Ecosystems*'

Research Publication: 71

Details of Research Papers Published:

1. Development of a stand density management diagram for teak stands in Karnataka (India), **V.P. Tewari** and J.G. Álvarez-González, *Journal of Forest Science*, 30(3), 2014, 259-266.
2. Developing a simple dynamic growth model for teak plantations in India, **V.P. Tewari**, J.G. Álvarez-González and Oscar García, *Forest Ecosystems*, 2014, 1:9 doi:10.1186/2197-5620-1-9.
3. Dynamic base-age invariant site index models for *Tectona grandis* in peninsular India, **V.P. Tewari**, J.G. Álvarez-González and K.v. Gadow, *Southern Forests: a Journal of Forest Science*, 76(1), 2014, 21-27.
4. Forest Observational Studies in India: Past Developments and Considerations for the Future, **V.P. Tewari**, R. Sukumar, Rajesh Kumar and K.v. Gadow, *Forest Ecology and Management*, 316, 2014, 32-46.

5. Heartwood, sapwood and bark content of teak trees grown in Karnataka, India, **V.P. Tewari** and K.M. Mariswamy, *Journal of Forestry Research*, 24(4), 2013, 721-725.
6. Modelling seed yield estimation in *Jatropha curcas* plantations in Gujarat, **V.P. Tewari** and D.K. Mishra, *Indian Forester*, 139(9), 2013, 784-789.
7. Total and merchantable volume equations for *Tectona grandis* linn f. Plantations in Karnataka, India, **V.P. Tewari**, K.M. Mariswamy and A.N. Arun Kumar, *Journal of Sustainable Forestry*, 32(3), 2013, 213-229.
8. Conserving urban lakes for tourism and recreation in developing countries: A case from Chandigarh, India, P. Chaudhry, Renu Bhargava, M.P. Sharma and **V.P. Tewari**, *International Journal of Leisure and Tourism Marketing*, 3(3), 2013, 267-281.
9. Growth and Yield Studies in the Pure Even-aged Plantations in IGNP Area of Rajasthan for their Sustainable Management, **V.P. Tewari**, *Journal Annals of Arid Zone* 52(1), 2013, 45-59.
10. Variable density yield model for irrigated plantations of *Dalbergia sissoo* grown under hot arid conditions in India, **V.P. Tewari**, *Journal of Forest Science*, 28(4), 2012, 205-211.
11. Urban Forestry in India: Development and Research Scenario, P. Chaudhry and **V.P. Tewari**, *Interdisciplinary Environmental Review*, 12(1), 2011, 80-93.
12. Managing urban parks and gardens in developing countries: A case study from an Indian city, P. Chaudhry and **V.P. Tewari**, *International Journal of Leisure and Tourism Marketing*, 1(3), 2010, 248-256.
13. Limiting stand density and basal area projection models for even-aged *Tecomella undulata* plantations in a hot arid region of India. **V.P. Tewari**, *Journal of Forestry Research* 21(1), 2010, 13-18.
14. Environmental education using Nek Chand's Rock Garden in the City of Chandigarh, P. Chaudhry and **V.P. Tewari**, *International Journal of Environment and Sustainable Development*, 9(1-3), 2010, 30-36.
15. Role of public parks/gardens in attracting domestic tourists: an example from city beautiful of India, P. Chaudhry and **V.P. Tewari**, *TOURISMOS: an international multidisciplinary journal of tourism*, 5(1), 2010, 101-109.
16. Site index model for *Tecomella undulata* plantations in a hot arid region of India. **V.P. Tewari** and Bilas Singh, *Journal of Arid Environments*, 73(4-5), 2009, 590-593.
17. Approaches to modelling growth and yield of forestry tree species, **V.P. Tewari**, *My Forest*, 44(3), 2008, 213-223.
18. Forestry Statistics: Its significance, present status and measures for improvement. **V.P. Tewari**, *ENVIS Forestry Bulletin*, 8(2), 2008, 5-8.
19. Predicting potential density and basal area development in social forestry plantations of *Acacia nilotica* in Gujarat state of India. **V.P. Tewari**, *Journal of Sustainable Forestry*, 26(4), 2008, 284-300.
20. WTA Vs WTA for assessing the recreational benefits of urban forests: a case from a modern and planned city of a developing country. P. Chaudhry, **V.P. Tewari** and B. Singh, *Forests, Trees and Livelihoods*, 18(3), 2008, 215-231.
21. Modelling potential density limiting survival, stand density and basal area growth for

- pure even-aged *Dalbergia sissoo* stands in a hot arid region of India. **V.P. Tewari** and K.v. Gadow, *Forests, Trees and Livelihoods*, **18**(2), 2008, 133-150.
22. Tourism recreational value of Rock Garden Chandigarh, India. P. Chaudhry and **V.P. Tewari**, *e-Review of Tourism Research*, **6**(2), 2008, 36-44.
 23. Potential density and basal area prediction equations for unthinned *Eucalyptus* hybrid plantations in the Gujarat state of India. **V.P. Tewari** and Bilas Singh, *Bioresource Technology*, **99**(6), 2008, 1442-1449.
 24. Comparing the model forms estimating generalised diameter-height relationships in *Tecomella undulata* plantations in hot arid region of India. **V.P. Tewari**, *Journal of Forestry Research*, **18**(4), 2007, 255-260.
 25. Total wood volume equations and their validation for *Tecomella undulata* plantations in hot arid region of India. **V.P. Tewari**, *Indian Forester*, **133**(12), 2007, 1648-1658.
 26. Non-market economic valuation in developing countries: role of participant observation method in CVM analysis. P. Chaudhry, B. Singh and **V.P. Tewari**, *Journal of Forest Economics*, **13**(4), 2007, 259-275.
 27. Height-growth and site index equations for social forestry plantations of *Acacia nilotica* and *Eucalyptus hybrid* in Gujarat State of India. **V.P. Tewari**, J.J. Corral Rivas, F. Vilcko and K.v. Gadow, *Forests, Trees and Livelihoods*, **17**(2), 2007, 125-140.
 28. Stand density and basal area prediction of unthinned irrigated plantations of *Eucalyptus camaldulensis* in the hot desert of India, **V.P. Tewari**, *Bioresource Technology*, **98**(5), 2007, 1106-1114.
 29. A comparison between TCM and CVM in assessing the recreational use value of urban forestry. P. Chaudhry and **V.P. Tewari**, *International Forestry Review*, **8**(4), 2006, 439-448.
 30. Effects of pruning on the growth of *Prosopis cineraria* (L.) Druce. V.S. Kishan Kumar and **V.P. Tewari**, *Journal of Timber Development Association*, **52**(3&4), 2006, 33-37.
 31. Tree-crop interaction in the Thar desert of Rajasthan, India, **V. P. Tewari** and Mahendra Singh, *Sècheresse*, **17**(1-2), 2006, 326-332.
 32. Provisional equations for estimating total and merchantable wood volume of *Acacia nilotica* trees in Gujarat State of India, **V.P. Tewari** and Bilas Singh, *Forests, Trees and Livelihoods*, **16**(3), 2006, 277-288.
 33. Total and merchantable wood volume equations for *Eucalyptus hybrid* trees in Gujarat State, India, **V.P. Tewari** and Bilas Singh, *Arid Land Research and Management*, **20**(2), 2006, 147-159.
 34. Generalised diameter-height equations for even-aged stands of *Azadirachta indica* in Gujarat State of India, **V.P. Tewari**, *Indian Forester*, **132**(1), 2006, 79-90.
 35. Basal area growth of even-aged *Azadirachta indica* stands in the Gujarat State of India, **V.P. Tewari** and K.v. Gadow, *Journal of Tropical Forest Science*, **17**(3), 2005, 349-361.
 36. Comparison of Bruce's formula and other methods for log volume estimation, **V.P. Tewari** and Bilas Singh, *Indian Forester*, **131**(7), 2005, 417-423.

37. Growth and yield functions for *Dalbergia sissoo* plantations in hot desert of India grown under irrigated, **V.P. Tewari** and V.S. Kishan Kumar, *Journal of Tropical Forest Science*, **17**(1), 2005, 87-103.
38. Degradation of arid rangelands in Thar Desert, India: A review, **V.P. Tewari** and Ranjana Arya, *Arid Land Research and Management*, **19**(1), 2005, 1-12.
39. Desertification and its control through afforestation activities for increasing productivity, **V.P. Tewari**, *Journal of Arid Land Studies*, **14**(S), 2004, 57-60.
40. Stem number development and potential stand density in the unthinned even-aged *Azadirachta indica* plantations in the Gujarat State of India, **V.P. Tewari**, *International Forestry Review*, **6**(1), 2004, 51-55.
41. Preliminary growth models for *Prosopis cineraria* (L.) Druce plantations in the hot arid region of India, **V.P. Tewari** and K.v. Gadow, *Forests, Trees and Livelihoods*, **13**(4), 2003, 361-373.
42. People's participation and joint forest management: concepts where lies the future of forestry, **V.P. Tewari**, *Journal of Tropical Forestry*, 19(3 & 4), 2003, 1-4.
43. Volume equations and their validation for irrigated plantations of *Eucalyptus camaldulensis* in the hot desert of India, **V.P. Tewari** and V.S. Kishan Kumar, *Journal of Tropical Forest Science*, **15**(1), 2003, 136-146.
44. Spacing effect on the height-diameter relationship of irrigated shelterbelt plantations in hot desert, **V.P. Tewari** & V.S. Kishan Kumar, *Indian Forester*, **129**(3), 2003, 349-356.
45. Growth and yield functions for irrigated plantations of *Eucalyptus camaldulensis* in hot desert of India, **V.P. Tewari**, Amit Verma and V.S. Kishan Kumar, *Bioresource Technology*, **85**(2), 2002, 137-146.
46. Development of top height model and site index curves for *Azadirachta indica* A. juss, **V.P. Tewari** and V.S. Kishan Kumar, *Forest Ecology and Management*, **165**(1-3), 2002, 67-73.
47. Volume equations for *Eucalyptus camaldulensis* in IGNP area, **V.P. Tewari**, Bilas Singh and V.S. Kishan Kumar, *Indian Forester*, **127**, 2001, 1367-1370.
48. Lopping on the growth and fodder production of *Ailanthus excelsa*, V.S. Kishan Kumar and **V.P. Tewari**, *International Forestry Review*, **3**(1), 2001, 54-57.
49. Construction and validation of tree volume functions for *Dalbergia sissoo* grown under irrigated conditions in the hot desert of India, **V.P. Tewari** and V.S. Kishan Kumar, *Journal of Tropical Forest Science*, **13**(3), 2001, 503-511.
50. Volume equations for *Dalbergia sissoo* in IGNP area, **V.P. Tewari**, S.L. Chauhan and V.S. Kishan Kumar, *Annals of Forestry*, **9**(1), 2001, 140-143.
51. Changes in bio-diversity in Indira Gandhi nahar pariyojana area of Rajasthan, **V.P. Tewari** and D.K. Mishra, *My Forest*, **37**(2), 2001, 449-454.
52. Application of method of paired comparisons in the selection of candidate plus trees in tree improvement programme, **V.P. Tewari**, C.J.S.K. Emmanuel and D.K. Mishra, *My Forest*, **37**(2), 2001, 463-467.

53. Effect of lopping on the top feed production and growth of *Prosopis cineraria*, V.S. Kishan Kumar and **V.P. Tewari**, *Bioresource Technology*, **74**, 2000, 165-168.
54. Fitting of statistical distributions to diameter measurements of tree stand, **V.P. Tewari**, *Annals of Forestry*, **8**(2), 2000, 274-278.
55. Modelling the relationship between tree diameters and heights using S_{BB} distribution, **V.P. Tewari** and K.v. Gadov, *Forest Ecology and Management*, **119**, 1999, 171-176.
56. A Pascal programme for fitting Johnson bivariate distribution to the growth data of forestry stand, **V.P. Tewari**, *Indian Forester*, **125**, 1999, 381-391.
57. Above ground biomass tables for *Azadirachta indica* A. juss., V.S. Kishan Kumar and **V.P. Tewari**, *International Forestry Review*, **1**, 1999, 109-111.
58. Indira Gandhi nahan pariyojana afforestation in Rajasthan State: Some gaps and research needs, **V.P. Tewari** and V.S. Kishan Kumar, *Save Forest and Wild Life*, January, 1998, 10-17.
59. *Acacia nilotica*, a multipurpose tree species for dry tropical areas: Growth and yield perspective, **V.P. Tewari**, *Save Forest and Wild Life*, July, 1998, 80-88.
60. Relative growth performance of tree species in irrigated plantations of IGNP area, V.S. Kishan Kumar and **V.P. Tewari**, *Journal of Tropical Forestry*, **14**, 1998, 139-142.
61. Effect of lopping on the growth of *Acacia tortilis* plantations, **V.P. Tewari**, *Indian Forester*, **124**, 1998, 1010-1013.
62. Agroforestry for sustainable development in arid zones of Rajasthan, Mahendra Singh, M.L. Arrawatia and **V.P. Tewari**, *International Tree Crops Journal*, **9**, 1998, 203-212.
63. Problem of soil salinity and water logging in Indira Gandhi Canal area of Rajasthan State, **V.P. Tewari**, M.L. Arrawatia and V.S. Kishan Kumar, *Annals of Biology*, **13**(1), 1997, 7-13.
64. Fitting a bivariate distribution to diameter-height data of forest trees, **V.P. Tewari** and K.v. Gadov, *Indian Forester*, **123**(9), 1997, 815-820.
65. Growth and yield of *Eucalyptus camaldulensis*; An analysis, **V.P. Tewari**, *Annals of Biology*, **13**(2), 1997, 243-251.
66. Comparison of three stem profile equations for *Quercus robur* L., G. Trincado, K.v. Gadov & **V.P. Tewari**, *South African Forestry Journal*, **177**, 1996, 23-30.
67. Developing equations for estimating growth parameters of *Acacia tortilis* (Forsk.) Hayne, **V.P. Tewari**, *Indian Forester*, **122**(11), 1996, 1004-1009.
68. Growth statistics of neem in arid areas of Western Rajasthan, **V.P. Tewari**, R.C. Jain, Sunil Kumar & Kishan Kumar V.S., *Journal of Non-Timber Forest Products*, **3**(1/2), 1996, 19-22.
69. Growth modelling for *Prosopis juliflora* (Swartz.) D.C., **V.P. Tewari** and A. Wais, *Annals of Biology*, **12**(1), 1996, 1-6.
70. Growth & Economics of *Ailanthus excelsa* plantation in Jaipur area, **V.P. Tewari**, Sunil Kumar and V.S. Kishan Kumar, *Indian Forester*, **121**(3), 1995, 214-218.
71. Phenological studies on Neem, **V.P. Tewari**, M.L. Arrawatia, Rajeev Rai and V.S. Kishan Kumar, *Neem Newsletter of International Neem Network*, **1**(2), 1994, 13-15.

Papers in the Conferences/Workshops/Symposiums: 44

1. Prospects of agroforestry in hot arid areas of Rajasthan State in India, **V.P. Tewari**, M.L. Arrawatia and Mahendra Singh, 1998. In: N. Narula, R.K. Behl and K.S. Bangrawa (ed.) Perspectives in Sustainable Agriculture, Society of Sustainable Agriculture and Resource Management, Hisar, Haryana, pp. 105-111 (Proceedings of the *International Conference on Sustainable crop production in fragile environments* held at CCS Haryana Agricultural University, Hisar from Nov. 25-28, 1996).
2. Agroforestry: An alternative land use system in fragile hot arid ecosystem, **V.P. Tewari** and Mahendra Singh, 2000. In: A. Singh, S.S. Dudeja and S. Singh (eds.) Resource Management for Sustainable Agriculture, Society of Sustainable Agriculture and Resource Management, Hisar, Haryana, pp. 71-79 (Proceedings of the *International Conference on Food Security and Crop Science* held at CCS Haryana Agricultural University, Hisar from Nov. 03-06, 1998).
3. Drought preparedness: Planning, policy and management in arid areas, **V.P. Tewari**, 2003. In: Proceedings of the workshop on *Development of suitable strategies for rehabilitation of Orans and Gochers in Rajasthan* held at AFRI, Jodhpur from April 16-17, 2002. pp. 20-26.
4. Desertification and its control through afforestation activities for increasing productivity, **V.P. Tewari**, Paper presented at the *Seventh International Conference on Desert Technology* held at Umaid Bhawan, Jodhpur from Nov. 9-14, 2003.
5. Some important wild plants yielding alternative foods for nutritional security in arid region of Rajasthan, **V.P. Tewari**, 2003. In: R.K. Behl and A.K. Chhabra (eds.) Enhancing Production and Food Value of Plants: Genetic Options, Vol. 1, Society of Sustainable Agriculture and Resource Management, Hisar, Haryana, pp. 146-150 (Proceedings of the *National Symposium on Food and Nutritional Security: Technological Interventions and Genetical Options* held at CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur from Sept. 18-19, 2003).
6. Individual tree growth models for an *Ailanthus excelsa* Roxb. plantation in the hot arid region of India, **V.P. Tewari**, 2005. In: V.P. Tewari and R.L. Srivastava (eds.) Multipurpose Trees in the Tropics: Management and Improvement Strategies. Scientific Publishers, Jodhpur (India), pp. 428-436 (Proceedings of the *IUFRO International conference on "Multipurpose Trees in the Tropics: Assessment, Growth and Management"* held at AFRI, Jodhpur during 22-25 Nov. 2004).
7. Estimating use value – A case study of Mahatma Gandhi marine national park, Andaman and Nicobar Islands, India, Pradeep Chaudhry and **V.P. Tewari**, 2005. In: V.P. Tewari and R.L. Srivastava (eds.) Multipurpose Trees in the Tropics: Management and Improvement Strategies. Scientific Publishers, Jodhpur (India), pp. 200-207 (Proceedings of the *IUFRO International conference on "Multipurpose Trees in the Tropics: Assessment, Growth and Management"* held at AFRI, Jodhpur during 22-25 Nov. 2004).
8. Current approaches in modeling growth and yield in forestry plantation, **V. P. Tewari**. Paper presented in the International Conference on "Planted Forests: Ecosystem Good and Services" organized at FRI, Dehradun during 13-15 Dec. 2006.
9. Modelling growth and yield in the IGNP area plantations for their sustainable management, **V.P. Tewari**. Paper presented in the National Seminar on 'Revisiting Indira Gandhi Canal Command' held at CAZRI, Jodhpur during 15-16 Dec. 2007.

10. Changing role of forestry in sustaining livelihoods and environment, and utilization of ITK in forest management, **V.P. Tewari**, 2008. pp. 176-178. In: John A. Parrotta, Liu Jinlong, Sim Heok-Choh (eds.) Sustainable Forest Management and Poverty Alleviation: Roles of Traditional Forest-related Knowledge. IUFRO World Series Vol. 21. IUFRO, Vienna, 223 p. (Extended Abstracts from the conference held in Kunming, China, 17-20 December 2007, jointly organized by the IUFRO Task Force on Traditional Forest Knowledge, the Chinese Academy of Forestry, and the APAFRI).
11. Sustaining urban parks & gardens: a case study of Chandigarh city of India, P. Chaudhry and **V.P. Tewari**. Paper presented in the 3rd annual International Conference on 'Public Policy and Management' organised by the Centre for Public Policy, IIM, Bangalore during 3-6 Aug. 2008.
12. Trees Outside Forests: its Assessment and Significance in Arid and Urban Environment. **V.P. Tewari**. Poster presented in the Indo-German Symposium on 'Education and Research for Sustainability' organised by the DAAD Regional Office India at IIT, Chennai during 8-9 Sept. 2008.
13. Improving the productivity of degraded arid salt affected soil through halophytic shrub-*Atriplex lentiformis* (quail saltbush). R. Arya and **V.P. Tewari**. Paper presented at the National Symposium on 'Forage Symposium-2009: Emerging Trends in Forage Research and Livestock Production' organised by The Indian Society of Forage Research, CCS HAU, Hisar & CAZRI, Jodhpur at CAZRI, RRS, Jaisalmer during 16-17 Feb. 2009.
14. Enhancing Biodiversity, Productivity and Livelihoods through Sequential Restoration of Reactivating Dunes in Thar Desert, D.N. Pandey, **V.P. Tewari**, G. Singh and L.N. Harsh. Poster presented in the XIIIth World Forestry Congress held at Buenos Aires, Argentina during 18-25 Oct. 2009.
15. Forest design in a changing world. K.v. Gadow, **V.P. Tewari** and J. Corral Rivas, 2010. Pp. 1-6. In: S.S. Negi and D. Kumar (eds.) Proceedings of the 2nd GAForN International Symposium on '*Multipurpose Forestry: Managing and Enhancing Ecosystem Services and Production Functions of Forests, Woodlands and Trees Outside Forests*' held at the Forest Research Institute, Dehradun during 9-13 Nov. 2009.
16. Trees outside forests: its role and importance in arid and urban areas. **V.P. Tewari**, 2010. Pp. 213-224. In: S.S. Negi and D. Kumar (eds.) Proceedings of the 2nd GAForN International Symposium on '*Multipurpose Forestry: Managing and Enhancing Ecosystem Services and Production Functions of Forests, Woodlands and Trees Outside Forests*' held at the Forest Research Institute, Dehradun during 9-13 Nov. 2009.
17. From observations and models to forest design: A study based on a *Eucalyptus grandis* spacing trial. K.v. Gadow, H. Kotze, **V.P. Tewari**, and M. Dickel, 2010. Pp. 153-166. In: S.S. Negi and D. Kumar (eds.) Proceedings of the 2nd GAForN International Symposium on '*Multipurpose Forestry: Managing and Enhancing Ecosystem Services and Production Functions of Forests, Woodlands and Trees Outside Forests*' held at the Forest Research Institute, Dehradun during 9-13 Nov. 2009.

18. Studies on Growth Performance and Development of Seed Yield Equations in *Jatropha curcas* plantations. **V.P. Tewari** and D.K. Mishra, 2011. Pp. 53-59. In: Ombir Singh and V.R.R. Singh (eds.) Proceedings of the 'IV National Forestry Conference' held at the Forest Research Institute, Dehradun during 9-11 Nov. 2009.
19. TFRK and its role in sustainable forest management: international & national scenario. **V.P. Tewari**. Pp. 60-65. In: Ombir Singh and V.R.R. Singh (eds.) Proceedings of the 'IV National Forestry Conference' held at the Forest Research Institute, Dehradun during 9-11 Nov. 2009.
20. Domesticating Forest Ecosystems: Theory and Application. K. v. Gadov and **V. P. Tewari**. Paper presented at the Indo-Italian workshop on "Use of modern Technologies in Forestry and Advancements in Wood Science", held at the Institute of Wood Science and Technology, Bangalore on 19th November 2009.
21. Forests, academic forestry and people: their role and significance in Indian context. **V.P. Tewari**. Paper presented at the 3rd GAForN International Symposium on 'Academic Forestry Education: Development and Needs' organized at the Kunming Institute of Botany, CAS, Kunming, China during 8-12 March 2010.
22. Modelling growth and yield in the forests and plantations: application examples from Thar Desert in Rajasthan, India. **V.P. Tewari**. Paper presented as poster at the XXIII IUFRO World Congress on 'Forest for the Future: Sustaining Society and the Environment' held at the Korea Forest Research Institute, Seoul, South Korea during 23-28 August 2010.
23. Domesticated forest ecosystem: Design and analysis. **V.P. Tewari**, S.C. Joshi and K.v. Gadov. Paper presented as poster at the XXIII IUFRO World Congress on 'Forest for the Future: Sustaining Society and the Environment' held at the Korea Forest Research Institute, Seoul, South Korea during 23-28 August 2010.
24. Potential of *Jatropha* Cultivation in Arid and Semi-Arid areas of Rajasthan and Gujarat, R. L. Srivastava, Ranjana Arya and **V. P. Tewari**, 2010. Pp. 243-251. In: R.K. Behl, J. Kubat and T. Kleynhans (eds.) Resource Management towards Sustainable Agriculture and Development. Agrobios (International), Jodhpur (Proceedings of the 1st IFSDAA *International Seminar on Sustainable Development for Food, Biomass Energy and Livelihood Security* held at Goettingen, Germany during November 18-20, 2007).
25. Bioenergy Plantations and its Potential for Degraded Wastelands in India with Special Reference to *Prosopis Juliflora*. **V.P. Tewari**, 2010. Pp. 253-260. In: R.K. Behl, J. Kubat and T. Kleynhans (eds.) Resource Management towards Sustainable Agriculture and Development. Agrobios (International), Jodhpur (Proceedings of the 1st IFSDAA *International Seminar on Sustainable Development for Food, Biomass Energy and Livelihood Security* held at Goettingen, Germany during Nov. 18-20, 2007).
26. Bamboos: distribution, uses and propagation techniques. **V.P. Tewari** and Ranjana Arya, 2012. Pp. 45-53. In: Pankaj Aggarwal, **V.P. Tewari**, P.R. Triveni and S.C. Joshi (eds.) Recent Advances in Bamboo Propagation, Management and Utilization. IWST, Bangalore (Proceedings of the *National Seminar on 'Recent Advances in Bamboo Propagation, Management and Utilization'* held at IWST, Bangalore during 17-18 Feb. 2011).

27. Biofuel from woody (lignocellulosic) biomass for a sustainable future. **V.P. Tewari**. Paper presented as poster in the FAO International Conference on 'Art and Joy of Wood' organized by the IWST, Bangalore at JN Tata Auditorium Complex, IISC, Bangalore during 19-22 Oct. 2011.
28. Multiple Path Theory in Forest Design: a New Concept of Adaptive and Time Sustainable Forest Management. **V.P. Tewari** and K.v. Gadow. Paper presented as poster in 1st Indian Forest Congress organised by the ICFRE, Dehradun at the NAAS Complex, New Delhi during 22-25 Nov. 2011.
29. Stem & branch wood volume equations and variable density yield model for *Dalbergia sissoo* plantations in IGNP area of Rajasthan. **V.P. Tewari**. Pp. 304-309. In: Proceedings of the '1st Indian Forest Congress-2011, Vol. II' organised by the ICFRE, Dehradun at the NAAS Complex, New Delhi during 22-25 Nov. 2011.
30. Forest Observational Studies in India: History and Future Prospects. **V.P. Tewari** and K.v. Gadow, 2012. Pp. 75-96. In: Zhao Xiu Hai, Zhang Chun Yu and Klaus v. Gadow (eds.) Proceedings of the International Workshop on 'Forest Observational Studies: Design and Analysis' held at Beijing Forestry University, China during 19-21 Sept. 2012.
31. Growth and yield studies in the pure even-aged plantations in IGNP area of Rajasthan for their sustainable management. **V.P. Tewari**. Paper presented at the National Symposium on 'Managing Stress in the Dry Lands under Climate Change Scenarios' organised by CAZRI, Jodhpur during 1-2 Dec. 2012.
32. Risk Evaluation in Forest Management Planning. **V.P. Tewari**. Paper presented at the IUFRO International Conference on 'Risk Analysis of Forest Invasive Alien Species' organised by the Panjab University, Chandigarh during 27th Feb.-1st March 2013.
33. Some Important NWFPs of Rajasthan State in India and Their Importance in Arid Zone Economy. **V.P. Tewari**. Paper presented at the 5th GAForN International Symposium on 'Sustainable Forestry in South-/Southeast Asia and Sub-Saharan Africa: Incentives for Close-to-Nature-Forestry' organized at the University of Eldoret, Eldoret, Kenya during 8-12 July 2013.
34. Domesticated Forest Ecosystem and Multiple Path Theory in Forest Design: A Paradigm Shift from Traditional Silviculture. **V.P. Tewari** and K.v. Gadow. Paper presented in the National Workshop on 'Tree Seed Science and Silviculture' organised by the Institute of Forest Genetics and Tree Breeding, Coimbatore during 28-29 Nov. 2013.
35. Agro-forestry for sustaining rural livelihoods in hot arid areas in India. **V.P. Tewari**. Paper presented as poster at the 3rd World Congress on Agroforestry 'Trees for life: Accelerating the impacts of Agroforestry' held in New Delhi during 10-14 Feb. 2014.
36. Distribution, Growth & yield and Demand & Supply of *Santalum album*: Survey & Review. **V.P. Tewari**, Sheetal Kumari D. Naik, Sangamesh H. Veerapur and N. Chandrashekar. Paper presented at the International Seminar on 'Sandalwood: Current Trends and Future Prospects' held at IWST, Bangalore during 26-28 Feb. 2014.
37. Managing tropical forest landscapes in a changing global scenario with special reference to India. **V.P. Tewari**, 2014. Pp. 241-257. In: Christoph Kleinn, Alina Kleinn and Lutz Fehrmann (eds.) Proceedings of the 4th International DAAD

Workshop on ‘The Ecological and Economic Challenges of Managing Forested Landscapes in a Global Context’ held at Bogor and Jakarta, Indonesia during 16-22 March 2014.

38. Volume & biomass functions for trees grown under arid conditions in India. **V.P. Tewari**. Paper presented at the FAO Regional Technical Workshop on ‘Tree Volume and Biomass Allometric Equations in South Asia’ held at KFRI, Peechi during 26-29 May 2014.
39. Forest observational studies network for growth modeling and long-term ecological monitoring. **V.P. Tewari**. Paper presented at the XXIV IUFRO World Congress on ‘Sustaining Forests, Sustaining People: The Role of Research’ held at Salt Lake City, Utah, USA during 5-11 October 2014 (*International Forestry Review* 2014, 16(5): 117).
40. Strategies to Improve Degraded Arid Rangelands in Rajasthan, India. **V.P. Tewari** and Ranjana Arya. Paper presented at the XXIV IUFRO World Congress on ‘Sustaining Forests, Sustaining People: The Role of Research’ held at Salt Lake City, Utah, USA during 5-11 October 2014 (*International Forestry Review* 2014, 16(5): 231).
41. Use of Lignocellulosic Biomass for Fuel: a Key for a Sustainable Future. **V.P. Tewari**. Paper presented as poster at the XXIV IUFRO World Congress on ‘Sustaining Forests, Sustaining People: The Role of Research’ held at Salt Lake City, Utah, USA during 5-11 October 2014 (*International Forestry Review* 2014, 16(5): 370).
42. Risk Analysis and Forest Scenario Modeling. **V.P. Tewari**. Paper presented as poster at the XXIV IUFRO World Congress on ‘Sustaining Forests, Sustaining People: The Role of Research’ held at Salt Lake City, Utah, USA during 5-11 October 2014 (*International Forestry Review* 2014, 16(5): 427).
43. Development of wood biomass energy production: opportunities and challenges. **V.P. Tewari**. Paper presented at the International Seminar on ‘Wood is Good: Current Trends and Future Prospects in Wood Utilization’ held at IWST, Bangalore during 21-23 Nov. 2014.
44. Multiple path theory of forest design: an adaptive forest management technique for multiple value functions. **V.P. Tewari**. Paper presented at the 13th Silviculture Conference held at FRI, Dehradun during 24-28 Nov. 2014.

Books Published: 3 (edited)

1. **V.P. Tewari** and R.L. Srivastava (eds.), 2005. Multipurpose Trees in the Tropics: Management and Improvement Strategies. Scientific Publishers, Jodhpur (India), 760 p.
2. K.P.R. Vittal, R.L. Srivastava, N.L. Joshi, Amal Kar, **V.P. Tewari** and S. Kathju (eds.), 2007. Dryland Ecosystem: Indian Perspective. Central Arid Zone Research Institute and Arid Forest Research Institute, Jodhpur. 235 p.
3. Pankaj Aggarwal, **V.P. Tewari**, P.R. Triveni and S.C. Joshi (eds.), 2012. Recent Advances in Bamboo Propagation, Management and Utilization. IWST, Bangalore, 238 p.

1. **V.P. Tewari**, 2007. Sustainable Forest Management: Criteria and Indicator Approach. pp. 83-95. In: Dryland Ecosystem: Indian Perspective. K.P.R. Vittal, R.L. Srivastava, N.L. Joshi, Amal Kar, V.P. Tewari and S. Kathju (eds.). Central Arid Zone Research Institute and Arid Forest Research Institute, Jodhpur (India).
2. Pradeep Chaudhry and **Vindhya P. Tewari**, 2010. Urban Greenery towards environmental improvement and sustainability. pp 625-634. In: Environmental Security: Human and Animal Health. S. R. Garg (ed.). IBDC Publishers, Lucknow (India). 635 p.
3. **V.P. Tewari**, 2011. Growth and yield models for some forest plantations in Rajasthan and Gujarat for their sustainable management. Pp 66-71. In: Forestry in Service of Nation: ICFRE Technologies. V.K. Bahuguna, Rabindra Kumar, R.P. Singh and Ramakant Mishra (eds.). ICFRE, Dehradun (India). 678 p.

Research projects worked on:

1. Effect of intensity and seasons of lopping on the growth of *Acacia tortilis* plantations
2. Evaluation study of Indira Gandhi Nahar Pariyojana area afforestation in Rajasthan
3. Growth, yield and economics of *Ailanthus excelsa* plantations
4. Growth studies on *Azadirachta indica* (neem) in Gujarat State
5. Lopping regime of important arid zone fodder tree species (World Bank project)
6. Growth and yield studies on irrigated plantations of Indira Gandhi Nahar Pariyojana area in Rajasthan (World Bank project)
7. Establishment of seed production areas of teak *Tectona grandis* and *Acacia nilotica* in Gujarat State under planting stock improvement programme (World Bank project)
8. Selection of sample trees and phenology study on *Azadirachta indica* in Gujarat State (NOVOD Board project)
9. Stand dynamics of some important tree species in Gujarat State
10. Growth & yield studies on *Tecomella undulata* plantations in IGNP area (SFD, Rajasthan)
11. A sample survey to estimate rates and ratios of timber and non-timber forest products in India (CSO-ICFRE project)
12. Market survey regarding timber, bamboo and fuelwood in selected markets
13. Establishment of a network to facilitate collection, processing and dissemination of statistics pertaining to tropical timber and other forestry parameters in India (ITTO-ICFRE project)
14. Survey, selection, performance trial and estimation of yield potential of *Jatropha curcas* in Rajasthan and Gujarat
15. 'Productivity and biometrics studies on some important species in arid and semi-arid regions of Rajasthan for their sustainable management (SFD, Rajasthan).

16. Growth & yield studies on forest plantations of teak in Karnataka for their sustainable management
17. Quantitative estimation of sandal oil from different locations by colour reaction
18. Age related variability in growth characteristics of *Melia dubia*
19. Distribution, assessment and growth of *Santalum album* L., an important medicinal plant of Karnataka (NMPB, New Delhi)

Other Information:

- Life member, Arid zone research association of India, Jodhpur.
- Life member, Indian Academy of Wood Science, Bangalore.
- Life member, Society for sustainable agriculture and resource management, CCS Haryana Agriculture University, Hisar.
- Included in “Reference Asia” (Asia’s Who’s Who men and women of achievement), vol. VI, 1991, 668 pp.
- Included in Marquis Who’s Who in the World, 18th edition, 2001.
- Included in American Biographical Institute, International Directory of Distinguished Leadership, 11th edition, 2002.
- Worked as Editor, AFRI Darpan (a quarterly Hindi Newsletter of AFRI, Jodhpur) during 2006-2008.
- Supervised Ph.D. thesis on the topic ‘Valuing recreational benefits of urban forestry-A case study of Chandigarh city’ awarded by FRI University, Dehra Dun.
- Organising Secretary, IUFRO International conference on “Multipurpose Trees in the Tropics: Assessment, Growth and Management” at AFRI, Jodhpur during 22-25 Nov. 2004.

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