

Curriculum vitae

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1. Educational Summary

Sr. No.	Exam Passed	Year	Board/Institute/University
1.	B.Sc. Forestry	2004	Navsari Agricultural University, Navsari
2.	M.Sc. (Wood Science and Technology)	2006	Forest Research Institute (Deemed) University, Dehradun
3.	Ph.D. Forestry (Wood Science and Technology)	2015	Forest Research Institute (Deemed) University, Dehradun
4.	NET (Forestry)	2009	ASRB, ICAR, New Delhi
5.	Course on Computer Concepts plus (CCC+)	2011	SPIPA, Gujarat, India
6.	Certificate Course on Bee Keeping	2020	GBPUAT, Pantnagar
7.	Gujarati Vinay	2021	Gujarat Vidyapith, Ahmedabad

2. Research Background for the Fulfillment of Degree Programmes

Sr. No.	Degree	Thesis Title
1.	M.Sc. (Wood Science and Technology)	Development of Phenol-Urea-Formaldehyde (PUF) resin
2.	Ph.D. Forestry (Wood Science and Technology)	Influence of climate on the radial variation of specific gravity and certain anatomical properties in teak (<i>Tectona grandis</i> L. f.) from Chandrapur and Thane, Maharashtra

3. Academic Achievements/Awards/Fellowships/Recognition

Sr. No.	Awards/ Fellowships/ Achievements/Recognition	Details
1.	Junior Research Fellowship (2007-2009) in MoEF funded project	Received Junior Research Fellowship in MoEF funded project at Institute of Wood Science and Technology, Bangalore
2.	Senior Research Fellowship (2007-2009) in MoEF funded project	Received Senior Research Fellowship in MoEF funded project at Institute of Wood Science and Technology, Bangalore
3.	Vice-Chancellor's Gold Medal	Received Vice-Chancellor's Gold Medal in B.Sc. Forestry (2005) from Navsari Agricultural University, Navsari, Gujarat for securing highest cumulative marks.

4.	Late Shri Dr. Vitthalbhai Jeevrajbhai Patel Gold Plated Silver Medal	Received Late Shri Dr. Vitthalbhai Jeevrajbhai Patel Gold Plated Silver Medal in B.Sc. Forestry (2005) from Navsari Agricultural University, Navsari, Gujarat for securing highest O.G.P.A.
5.	University Gold Medal	Received Gold Medal in M.Sc. Wood Science and Technology (2007) from Forest Research Institute (Deemed) University, Dehradun for securing highest marks in the university.
6.	Subject Matter Expert (SME)	Subject Matter Experts (SME) Panel Member of Merit Trac Services Private Limited, Bengaluru since November, 2017 for Wood Science and Technology Domain.
7.	Best Oral Presentation Award	Received first prize as a co-author in 02 National conferences entitled 'Utilization & Conservation of Non-Timber Forest Genetic Resources for Sustainable Development and Tree Based Diversified Land-use System: Augmenting Livelihood Security & Industrial Growth.
8.	Innovation in Wood Identification using AI model	Developed Wood Identification AI models in collaboration with Agritix Sdn. Bhd., Malaysia for Teak, Malabar Neem & Ardu using Xylorix Platform in a mobile app Xylorix Inspector on the name of NAU model album as NAU-3
9.	Mentor for students in receiving first prize in National Hackathon	Mentored two students (Mr. Gamit Ronak and Ms. Shruti Singh) for receiving first prize (Rs.25000/-) for presenting their innovative research idea in Forestry theme in National Hackathon entitled " Smart and Remunerative Farming" held on 5 th March, 2022
10.	Mentor for students under Students Startup Innovation Policy 2.0 (SSIP 2.0) to University cell, NAU, Navsari	Received "Certificate of Appreciation" for mentoring three students viz., Mr. Jay Savaliya, Mr. Hardik Pardava and Ms. Sakshi Talaviya for securing a grant of Rs. 80,000/-, Rs. 65,000/- and Rs. 40,000/-, respectively towards establishment Proof of Concept/Prototype funding support for the innovative idea under the SSIP 2.0, NAU, Navsari in FY 2023-24 and 2024-25.
11.	'Outstanding Participant' in the Winter School Training Programme	Received recognition of 'Outstanding Participant' in the Winter School Training on "Advances in product diversification and waste utilization of natural fibres" held from 3-23 rd December 2019 at ICAR-NINFET, Kolkata
12.	Merit Certificate	Secured first rank in NAU Staff Yogasana Championship, organized by Directorate of students' Welfare, NAU, Navsari on June 18, 2022.

4. Professional Experience

Sr. No.	Name of Industry/Institute/ University	Position	Period of experience	Activities
1.	Punjab Plywood Industries, Yamunanagar, Haryana	Quality Control Executive	15 th July, 2006 to 26 th May, 2007	Research
2.	Institute of Wood Science and Technology, Bangalore	Research Fellow	30 th May, 2007 to 16 th June, 2010	Research
3.	College of Forestry, NAU, Navsari, Gujarat.	Assistant Professor	23 rd June, 2010 to 23 rd June, 2023	Teaching, Research and Extension
4.	College of Forestry, NAU, Navsari, Gujarat.	Associate Professor	24 th June, 2023 till date	Teaching, Research and Extension

5. Teaching Courses

I. U.G. Courses
Wood Anatomy, Wood Science and Technology, Wood Products and Utilization, Logging and Ergonomics, Experiential Learning on Apiculture and Design and Development of Wood and Bamboo products
II. P.G. Courses
Wood Identification, Wood Chemistry, General Properties of Wood, Seasoning and Preservation, Wood Modification and Composite wood, Forest Products Chemistry and Industries, Advances in Wood and Non-wood Forest Products, Wood and Wood Technology

6. PG Guidance

Number of students guided	:	M.Sc. level = 06 (completed) 01 (under guidance) Ph.D. level = 03 (under guidance)
No. of Advisory members for M.Sc./ Ph.D students	:	M.Sc. level = 04 (completed) 04 (ongoing) Ph.D. level = 04 (completed) 01 (ongoing)

7. Research Projects Handled

Sr. No.	Title of Projects	Capacity	Status
A. Externally Funded Projects			
1.	Forest Resource Survey of Vyara, Gujarat.	Co- P.I.	Completed
2.	Establishment of Secondary Agriculture Unit at NAU, Navsari under World Bank funded National Agricultural Higher Education Programme (NAHEP), ICAR, New Delhi	Co- P.I.	Completed
3.	Wood and morphological characterization of Valsad teak for potentiality of GI tagging	Co- P.I.	Completed
4.	Investigations on Non-Timber Forest Products (NTFPs) of Gujarat	Associated PI	Completed
5.	Commercial Apiculture	Associated PI	Completed
6.	Development of Bamboo Resource Center	Co-P.I.	Ongoing
7.	Popularization of <i>Melia composita</i> based Agroforestry system in Gujarat through production of quality material.	Associated PI	Ongoing
8.	Determination of Carbon Sequestration Potential of Forest Tree Species of South Gujarat	Associated PI	Ongoing
9.	Regeneration technique for lesser known and threatened tree species of South Gujarat.	Associated PI	Ongoing
10.	Testing and deployment of clones and seed sources of Casuarina for different planting environments and end-use applications	Associated PI	Ongoing
11.	Conservation of large carnivores in Gujarat	Co-P.I.	Ongoing
B. Departmental Research			
1.	Investigation on tree ring analysis (Dendrochronology) to monitor radial growth responses of teak to climate in South Gujarat.	P.I.	Completed
2.	Influence of climate on the wood production and anatomical variations in teak trees.	P.I.	Completed
3.	Documentation of basic density and calorific value of different tree species of South Gujarat.	P.I.	Completed
4.	Assessment of physical and anatomical properties of different bamboo species	P.I.	Completed
5.	Studies on physico-anatomical and chemical properties of Candidate Plus Trees (CPTs) of <i>Melia dubia</i> Cav. for pulp and paper quality from South Gujarat	P.I.	Completed
6.	Assessment of physical and mechanical properties of different bamboo species	P.I.	Ongoing

7.	Development of volumetric equation for Teak (<i>Tectona grandis</i> L.f.) in South Gujarat.	Co- P.I.	Completed
8.	Study of carbon sequestration potential of important tree species.	Co- P.I.	Completed
9.	Sustainable Bark Harvesting Techniques in Arjun sadad (<i>Terminalia arjuna</i>).	Co- P.I.	Completed
10.	Evaluation of Eucalyptus Clones for growth and physiological characters.	Co- P.I.	Completed
11.	Potential and prospects of Minor Forest Products in the Dang of South Gujarat.	Co- P.I.	Completed
12.	Influence of weather parameters on foraging activity of stingless bees (<i>Tetragonula laeviceps</i>) near the nests.	Co- P.I.	Completed
13.	Nesting habitat and nest architecture of stingless bees (<i>Tetragonula laeviceps</i>) in South Gujarat condition.	Co- P.I.	Completed
14.	Evaluation of Eucalyptus Clones for growth and biomass.	Co- P.I.	Completed
15.	Molecular diversity assessment in geographical collection of Eucalyptus germplasm using DNA based marker system	Co- P.I.	Completed
16.	Effect of gibberellic acid (GA ₃) and nitrogen on the growth of <i>Tectona grandis</i> L. for production of stumps for planting.	Co- P.I.	Completed
17.	Development of volumetric equation for Eucalyptus (<i>Eucalyptus</i> sp.)	Co- P.I.	Completed
18.	Development of local volume table for Saru (<i>Casuarina equisetifolia</i>)	Co- P.I.	Completed
19.	Assessment of Gando Babool (<i>Prosopis juliflora</i>), Babool (<i>Acacia nilotica</i>) and Neem (<i>Azadirachta indica</i>) trees of South Gujarat for natural gum potential.	Co- P.I.	Completed
20.	Air pollution tolerance index (APTI) of selected trees species of Navsari	Co- P.I.	Completed
21.	Within population variation for tree growth and seed oil content of Mahua (<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A. Chev.) in south Gujarat	Co- P.I.	Completed
22.	Development of volumetric equation for Bengali baval (<i>Acacia auriculiformis</i> A. Cunn. Ex Benth.)	Co- P.I.	Completed
23.	Study of natural regeneration and stand structure of Khati chamol (<i>Bauhinia malabarica</i> Roxb.)	Associated PI	Completed
24.	Clonal evaluation of <i>Casuarina</i> spp. for growth and biomass in south Gujarat	Associated PI	Completed
25.	Clonal variation for wood mechanical and strength properties in selected hybrid <i>Casuarina</i> clones	Co- P.I.	Ongoing
26.	Transforming lignocellulosic forest/ agroforestry waste material into valuable fuel through developing quality biomass briquettes	Co- P.I.	Ongoing
27.	Turning lignocellulosic forest/ agroforestry waste material into high quality charcoal briquettes	Co- P.I.	Ongoing
28.	Status and crop damage by wild ungulates in south Gujarat	Co- P.I.	Ongoing
29.	Evaluation of growth performance of coppice shoots of Teak (<i>Tectona grandis</i> L.f.)	Co- P.I.	Ongoing
30.	Evaluation of different bamboo species for charcoal production	Co- P.I.	Ongoing
31.	Evaluation of different bamboo species for vinegar production and nutritive value	Co- P.I.	Ongoing
32.	Air pollution tolerance index (APTI) of selected trees of different cities in south Gujarat	Co- P.I.	Ongoing

8. Research Publications

8.A: Research Papers/Original Research

Sr. No.	Publication details	NAAS score
1.	Chandel S., B.S. Desai, S.k. Jha, S.K. Sinha , D.P. Patel and N. Kumar. 2024 . Role of organic and inorganic fertilizers in enhancing biomass yield and eugenol content of ornamental basil (<i>Ocimum gratissimum</i> L.). Heliyon ; 10 (2024) e30928.	10.00
2.	S.K. Sinha , M. S. Deepak, R. Vijendra Rao, H.P. Borgaonkar. 2011 . Dendroclimatic analysis of teak (<i>Tectona grandis</i> L. f.) annual rings from two locations of peninsular India. Current science ; 100(1): 84-88.	7.30
3.	S. K. Sinha , R Vijendra Rao, M S Deepak. 2017 : Influence of climate on the total vessel lumen area in annual rings of teak (<i>Tectona grandis</i> L.f.) from Western Ghats of Central Karnataka, India. Tropical Ecology ; 58(1):167-175.	7.17
4.	S.K. Sinha , Pravin A. Chaudhari, Narender Singh Thakur, Suman K. Jha, Dhiraj P. Patel, Ravindra K. Dhaka 2019 . <i>Melia dubia</i> Cav. wood properties vary with age and influence the pulp and paper quality. International Wood Products Journal ; 10 (4):139-148.	6.36
5.	S.K. Sinha , L.K. Behera, A.A. Mehta, P.K. Shrivastava. 2019 . Dendroclimatological approach in plantation management of teak (<i>Tectona grandis</i>). Indian Journal of Agricultural Sciences ; 89(12):55-59.	6.23
6.	S.K. Sinha , R.P. Gunaga, H.T. Hegde, R.L. Sondarva and J.B. Bhudara. 2022 . Anatomical response of regenerated bark in <i>Terminalia arjuna</i> (Roxb.) Wight & Arn. Indian Journal of Ecology ; 49 (1):42-45	5.79
7.	K.R. Rathod, S.K. Sinha , R.P. Gunaga and M.S. Sankanur. 2023 . Fuel bark quality evaluation of commercial tropical tree species: An approach to waste utilization. Indian Journal of Ecology ; 50(3):796-798.	5.79
8.	A. Patel, S.K. Sinha , J. Pathak and J.R. Chavda. 2023 . Morphological and physical properties of bamboo species in south Gujarat, India; Indian Journal of Ecology ; 50(3):774-777.	5.79
9.	N.M. Kantariya and S.K. Sinha . 2023 . Wood properties and utilization of pollard shoots of Indian Tulip tree (<i>Thespesia populnea</i> (L.) Sol. ex Corrêa). Indian Journal of Ecology ; 50(4):980-983.	5.79
10.	R.P. Gunaga, L.K. Behera, S.K. Sinha , A.A. Mehta, N.S. Thakur, Y.A. Garde, J.B. Bhusara and R.L. Sondarva. 2023 . Development of volumetric equation and volume table for <i>Casuarina</i> species. Indian Journal of Ecology ; 50(5):1368-1372.	5.79
11.	S.A. Huse, R.P. Gunaga, S.K. Sinha and L.K. Behera. 2024 . Genetic variation in wood mechanical properties among <i>Eucalyptus</i> clones. Indian Journal of Ecology ; 51(2):272-276.	5.79
12..	R. K. Dhaka, S. K. Sinha , Rajesh Gunaga, N S Thakur 2019 . Modification in protocol for estimation of Klason- lignin content by gravimetric method. International Journal of Chemical studies ; 7 (5): 2661-2664	5.31
13..	S.A. Huse, R P Gunaga, S.K Sinha , M.J. Dobriyal, S. K. Jha, B K Bhatt. 2018 . Genetic variation in growth attributes and pulp yield in eucalypts clones. International Journal of Chemical studies ; 6(4): 2903-2906	5.31
14.	R.H. Patel, S.K. Sinha , D. Nayak and A.K. Patel. 2022 . Effect of age on the growth and physical properties of <i>Ailanthus excelsa</i> Roxb. The Pharma Innovation ; SP-11 (1):767-769.	5.23
15.	S. Manojkumar, R.P. Gunaga, M.S. Sankanur, S.K. Sinha and T.R. Ahlawat. 2024 . A survey on wild vegetable plants used in southern Eastern Ghats. International Journal of Research in Agronomy ; SP-7(8):833-838.	5.20
16.	LK Behera, AA Mehta, SK Sinha . 2014 . Suitable bee flora availability for commercial apiculture during dearth period in the heavy rainfall zone of South Gujarat. Research Journal of Chemical and Environmental Sciences ; 2(6): 65-68.	4.64
17.	M.S. Deepak, S. K. Sinha , R.V. Rao. 2010. Tree ring analysis of teak (<i>Tectona grandis</i> L.f.) from Western Ghats of India as a tool to determine drought years. Emirates Journal of Food and Agriculture ; 22(5): 388-397.	4.60

18.	S.K. Sinha , M.S. Deepak, R.V. Rao.2009. Climatic response of earlywood mean vessel area of teak (<i>Tectona grandis</i> L.f.) from Shimoga of central Karnataka. Journal of the Indian Academy of Wood Science ; 6(1 & 2):90-97.	4.46
19.	S.A. Huse, R.P. Gunaga, S.K. Sinha . 2018. Genetic estimates of growth and wood anatomical properties in Eucalypts clones. International Journal of Genetics ; 10 (9):495-497.	4.46
20.	R.K. Dhaka, R.P. Gunaga, S. K. Sinha , N S Thakur and M.J. Dobriyal. 2020. Influence of tree height and diameter on wood basic density, cellulose and fibre characteristics in <i>Melia dubia</i> Cav. Families. Journal of the Indian Academy of Wood Science ; 17(2):138-144.	4.46
21.	V.B. Shambharkar, M.B. Tandel, R.P. Gunaga, S.K. Sinha , V.B. Parekh, Y.A. Garde, H.K. Deshmukh and S.W. Choudhari.2024. A comparative study of crown spread variation in <i>Pterocarpus marsupium</i> and <i>P. santalinus</i> , across north-south aspects and diverse seed sources in India. Multilogic in Science , 14 (52):262-265.	4.17
22.	S.K. Sinha , R.P. Gunaga, T.R. Ahlawat, M.S. Sankanur, A.A. Mehta and H.T. Hegde. 2020. How commercially important tree gum exudates can be differentiated. Journal of Non-Timber Forest Products ; 27 (4):191-196.	4.07
23.	S.K. Sinha , M.S. Deepak, R.V. Rao. 2010. Wound response in teak trees from Western Ghats of India and its potential in dendroecology. Indian Forester ; 136(5):661-666.	3.80
24.	S.K. Sinha . 2012. Tree-ring width of teak (<i>Tectona grandis</i> L.f.) and its relationship with rainfall and temperature. Indian Journal of Ecology ; 39(1):1-5.	3.30
25.	L.K. Behera, D.P. Patel, C.A. Dholariya, S.K. Sinha , A.A. Mehta, Manmohan J R Dobriyal, D.B.Jadeja. 2017. Vessel parameters variation among twenty clones of Eucalyptus in south Gujarat. International Journal of Forest Usufructs Management ; 18(1):41-47.	3.23
26.	L.K Behera, A.A Mehta, C.A Dholariya, S.K. Sinha , R.P. Gunaga, S.M. Patel. 2017. Bee foraging activity on MPTs by honeybee species during minor honey flow period in South Gujarat condition. International Journal of Forest Usufructs Management ; 18(2):47-53.	3.23
27.	S. K. Sinha , J.G Pathak, A A Mehta, L K Behera. 2016. Tapping methods in Salai Guggal (<i>Boswellia serrata</i> Roxb.) for sustainable yield of oleo-gum resin: A case study. International Journal of Forest Usufructs Management ; 17(2):13-18.	3.23
28.	L.K. Behera, D.P. Patel, S.K. Sinha , R.P. Gunaga, D.B. Jadeja. 2016. Variation in physical properties of wood among twenty clones of Eucalyptus in South Gujarat. Advances in Life Sciences ; 5(5):1704-1708.	3.15
29.	S.K. Sinha , D P Khali. 2015. Synthesis and Comparison of Phenol-Urea-Formaldehyde (PUF) Thermosetting Resin with Commercial Synthetic Resins. Asian Journal of Research in Chemistry ; 8(7):449-452.	--
30.	L.K. Behera, M.R. Nayak, D.P. Patel, A.A. Mehta, S.K. Sinha , R.P. Gunaga. 2015. Agroforestry practices for physiological amelioration of salt affected soils. Journal of Plant Stress Physiology ;1 (1):13-18.	--
31.	S.K. Sinha , R. Vijendra Rao, T.S. Rathore, H.P. Borgaonkar. 2014. Effect of growth Rate and Latewood content on basic Density of Wood from 120-to 154-Year-old Natural-grown Teak (<i>Tectona grandis</i> L.f.). International Research Journal of Biological sciences ; 3(4):66-72.	--
32.	M.S. Deepak, S. K. Sinha , R. Vijendra Rao.2009. Dendroclimatic potential of growth ring analysis in teak (<i>Tectona grandis</i> L.f.) from Wesern Ghats of Karnataka. My Forest . 457-466.	--

8.B: Popular Article

Sr. No.	Publication details
1.	A.A. Mehta, L.K. Behera, S.K. Sinha . 2016 . Apiculture practices through capture and transfer of wild colonies of Indian honeybees (<i>Apis cerana</i>) into wooden hives. MFP News ; 26 (1):8-11.
2.	M. Sukhadiya, C. Dholariya A., L.K. Behera, A.A. Mehta, S.K. Sinha and S.M. Patel. 2019 . Biography of lesser known and medicinal tree species Marking nut (<i>Semecarpus anacardium</i> L.). MFP News ; 29 (1):9-13.
3.	L.K. Behera, R.P. Gunaga, S.K Sinha , M. Sukhadiya, C.A. Dholariya and V.M. Prajapati. 2019 . <i>Stereospermum chelonoides</i> : Prospective of a lesser known and medicinal tree. Van Sangyan ; 6(6):1-5.
4.	M.S Sankanur, R.P. Gunaga, S.K. Sinha and T.R. Ahlawat 2020 . Boosting income of tribal artisans by utilizing waste wood for wooden handicraft, MFP News ; 30 (3), 5-7.
5.	S.K. Sinha , R.P. Gunaga, T.R. Ahlawat, M.S. Sankanur, A.A Mehta and H.T. Hegde. 2020 . Methods to identify commercially important tree gum exudates (Vyavsayikroop se mahatwapurna vrikshsravit gond ko pahachanane ke tarike in Hindi version); Van Sangyan , 7(10): 21-26.
6.	H.T. Hegde, R.P. Gunaga, S.K. Sinha , M.S. Sankanur, A.A. Mehta and T.R. Ahlawat. 2021 . Mahua Trading Scenario: Challenges and Chances, Indian Farmer ; 8(2):184-190
7.	S.K. Sinha . 2021 . Indian varsity develops wood identification AI models; Wood News , 31 (3):100-101.
8.	S.K. Sinha , A.N. Arunkumar and R.V. Rao. 2021 . Wood structure of Indian sandalwood: Its adulterants and key to identification. Wood is Good ; 2(2):97-100.
9.	S.K. Sinha , L.K. Behera, A.A. Mehta and P.K. Shrivastava. 2022 . Dendroclimatological investigation of teak (<i>Tectona grandis</i> L.f.) in south Gujarat. Wood is Good ; 3(1):115-118.

8.C: Book Chapter/Training Manual/ /Lecture Note/ Practical Manuals/ Farmer's Manual

Sr. No.	Details
Book Chapter:	
1.	M.S. Sankanur, R.P. Gunaga, T.R. Ahlawat, S.K. Sinha , R.S. Chauhan, A.D. Chaudhary and V. Patel. 2025 . Waste to wealth from forest: Perspective and constraints. Sustainable Forest Resources Management: Issues and Implications, First edited by J.A. Bhat, G. Shukla, M.J. Dobriyal, S. Chakravarty, A. Arunachalam and R.W. Bussmann: chapter 13: pages 283-318; Apple academic Press, USA.
2.	S.K. Sinha , A.A. Mehta, L.K. Behera and P.K. Shrivastava. 2023 . Influence of climate on the radial growth of teak (<i>Tectona grandis</i> Linn.f) in peninsular India. Climate Smart Technologies in Agriculture and Agroforestry: Challenges and Prospects, First edited by S. Kumar and A.K. Pandey: chapter 6: pages 89-100; SR edu publications, Telangana.
3.	S.K. Sinha and R.V. Rao. 2022 . Anatomy of Indian sandalwood (<i>Santalum album</i> L.). Indian Sandalwood: A Compendium, First edited by A.N. Arunkumar, G. Joshi, R.R. Warriar and N.N. Karaba: chapter 12: pages 183-197; Springer Nature, Singapore Pvt. Ltd. https://doi.org/10.1007/978-981-16-6565-3
4.	P.A. Chaudhari, N.J. Sohagiya, S.K. Sinha , N.S. Thakur, S.K. Jha. 2017 . <i>Wood Anatomical Screening of Short Rotation Trees for Pulp and Paper Making Properties: A Review</i> . Plantation and Agroforestry Pulpwood Value Chain Approach, First edited by K.T. Parthiban, R. Sreenivasan,: chapter 9: pages 102-108; Scientific Publishers (India) ., ISBN: 978-93-86347-98-5
5.	S.K. Sinha , R. Vijendra Rao, T. S. Rathore, H. P. Borgaonkar. 2017 . <i>Growth Ring Structure and Specific Gravity Variation in Juvenile and Mature Wood of Natural-Grown Teak (Tectona grandis L.f.)</i> . Wood is Good., First edited by K.K. Pandey, V. Ramakantha, S.S. Chauhan and A.N. Arun Kumar: Chapter 1: Wood Properties and Variability: Springer Nature, Singapore Pvt. Ltd. pages 105-115; ISBN: 978-981-10-3113-7, DOI:10.1007/978-981-10-3113-1_11
6.	V. Kumar, S.K. Sinha , S.A. Huse and R.P. Gunaga. 2014 . <i>Introduction</i> . In: V. Kumar and T.K. Kunhamu (Eds.), A question bank of forestry , pages 1-30). Narendra Publishing House, New Delhi, India .

7.	S.K. Sinha , E.V. Anoop and V. Kumar. 2014. <i>Major Forest Products</i> . In: V. Kumar and T.K. Kunhamu (Eds.), A question bank of forestry , pages 249-296. Narendra Publishing House, New Delhi, India.
8.	V. Kumar, S.K. Sinha , and A.A. Mehta. 2014. <i>Non-timber Forest Products</i> . In: V. Kumar and T.K. Kunhamu (Eds.), A question bank of forestry pages 249-296. Narendra Publishing House, New Delhi, India.
Training Manual:	
1.	Manual of Hands on Training on “Wooden Decoratives” prepared by T.R. Ahlawat, M.S. Sankanur, A.D. Chaudhary, R.P. Gunaga and S.K. Sinha organized by ICAR sponsored NAHEP-CAAST subproject from July 24-26,2019
2.	Manual of Hands on Training on “Waste Utilization and Value Addition of Non-Timber Forest Resources” prepared by T.R. Ahlawat, R.P. Gunaga, M.S. Sankanur, S.K. Sinha and A.D. Chaudhary organized by ICAR sponsored NAHEP-CAAST subproject from January 22-24,2020
Book Chapters in Training Manuals	
1.	S. Kumar and S.K. Sinha 2019.Processing techniques for production of quality handicraft articles from wood and bamboo. In: Ahlawat, T.R., Sankanur, M.S., Chaudhary, A.D., Gunaga R.P. and Sinha, S.K. (Eds.), Manual of Hands on Training on Wooden Decoratives. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. Pp.7-25.
2.	S.K. Sinha , R.P. Gunaga, M.S. Sankanur, and S. Kumar 2019. Potential tree species for making wooden decorative. In: In: Ahlawat, T.R., Sankanur, M.S., Chaudhary, A.D., Gunaga R.P. and Sinha, S.K. (Eds.), Manual of Hands on Training on Wooden Decoratives. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. Pp.26-32.
3.	M.S. Sankanur, R.P. Gunaga, S.K. Sinha , J. Modi, B. Choudhari and H. Patel 2019. Preparation of wood and bamboo-based fancy decorates and articles. In: Ahlawat, T.R., Sankanur, M.S., Chaudhary, A.D., Gunaga R.P. and Sinha, S.K. (Eds.), Manual of Hands on Training on Wooden Decoratives. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. Pp.33-43.
4.	S.K. Sinha and P. Sahni 2019. Hands on training on processing of wood carving. In: Ahlawat, T.R., Sankanur, M.S., Chaudhary, A.D., Gunaga R.P. and Sinha, S.K. (Eds.), Manual of Hands on Training on Wooden Decoratives. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. Pp.44-46.
5.	M.S. Sankanur, R.P. Gunaga, S.K. Sinha , J. Modi, B. Choudhari and H. Patel 2019. Hands on training on preaprtion of innovative wooden decorative. In: Ahlawat, T.R., Sankanur, M.S., Chaudhary, A.D., Gunaga R.P. and Sinha, S.K. (Eds.), Manual of Hands on Training on Wooden Decoratives. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. Pp.47-48.
6.	S.K. Sinha , R.P. Gunaga and M.S. Sankanur 2020. Essential oils: Significance, extraction, storage and utilization. In: Ahlawat, T.R., Gunaga R.P., Sankanur, M.S., Sinha, S.K. and Chaudhary, A.D. (Eds.), Manual of Hands on Training on Waste Utilization and Value Addition of Non-timber Forest Resources. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. University Press No.136/2019-20. Pp.42-51.
7.	M.S., Sankanur, R.P. Gunaga, and S.K. Sinha , 2020. Hands on training on utilization of waste wood and bamboo for preparation of wooden articles and acquaintance to various machineries used in waste utilization and value addition of NTFPs. In: Ahlawat, T.R., Gunaga R.P., Sankanur, M.S., Sinha,S.K. and Chaudhary, A.D. (Eds.), Manual of Hands on Training on Waste Utilization and Value Addition of Non-timber Forest Resources. Publication, Centre for Advanced Agricultural Science and Technology, Navsari Agricultural University, Navsari. University Press No.136/2019-20. Pp.52-55.
Lecture Note:	
1.	Lecture Note on Wood Anatomy prepared by S.K. Sinha and B.S. Desai and published in 2019 by Department of Forest Products and Utilization under the financial support of ICAR, New Delhi.
Practical Manual:	

1.	Practical Manual on Wood Anatomy prepared by S.K. Sinha , H.T. Hegde, and A.A. Mehta and published in 2012 by Department of Forest Products and Utilization under the financial support of ICAR, New Delhi.
2.	Practical Manual on Logging and Ergonomics prepared by H.T. Hegde, S.K. Sinha and A.A. Mehta and published in 2012 by Department of Forest Products and Utilization under the financial support of ICAR, New Delhi.
3.	Practical Manual on Wood Products and Utilization prepared by A.A. Mehta, L.K. Behera, S.K. Sinha and R.P. Gunaga and published in 2015 by Department of Forest Products and Utilization under the financial support of ICAR, New Delhi.
4.	Practical Manual on Wood Science and Technology prepared by S.K. Sinha , H.T. Hegde, A.A. Mehta and S.A. Huse and published in 2018 by Department of Forest Products and Utilization under the financial support of ICAR, New Delhi.
Farmer's Manual/Chapters in Farmer's Manual:	
1.	Method of shifting <i>Apis cerena indica</i> colony into bee boxes from its natural habitat (In Gujarati) in 2017 by A.A. Mehta, L.K. Behera, S.K. Sinha and J.J. Pastagiya.
2.	Important bee keeping equipments (In Gujarati) in 2017 by C.A. Dholariya, R.L. Sondarva, and S.K. Sinha
3.	Scientific management of bamboo (In Gujarati) in 2015 by J.G. Pathak, V.M. Parajapati, M.B. Tandel, A.A. Kazi and S.K. Sinha
4.	Farmer's manual on bee keeping (In Gujarati) in 2021 by A.A. Mehta, J.J. Pastagiya, R.P. Gunaga, T.R. Ahlawat, L.K. Behera, S.K. Sinha , H.T. Hegde, M.S. Sankanur, C. Dolariya, D. Prajapati, J. Bhusara and R.L.Sondarva

8.D: Research papers/abstracts published in seminar/conferences/workshop proceedings

Sr. No.	Publication Details
1.	S.K. Sinha , J.G. Pathak, A.A. Mehta and L.K. Behera 2020. Improved tapping methods for extraction of oleo-gum resin in <i>Boswellia serrata</i> Roxb.): A medicinal tree for pharmaceutical industries In: Kumari, M., Kumar, M. and Shah, S.B. (Eds.) <i>Cultivation of Medicinal and Aromatic Plants (MAPs): An innovative efforts towards sustainable development: Book of abstract-oral presentation of National Webinar, September 01, 2020</i> (pp.42-43). Madan Bharti Agriculture College Agwanpur, Saharsa, Bihar.
2.	Sankanur, M.S, Gunaga R.P, Sinha S.K , Choudhari, B., Ahir, B. and Patel, H. 2020. Enhancing farmers income by preparation of fancy handicrafts from horticultural waste. <i>Indian Horticulture Summit on Mitigating Climate Changes and Doubling Farmer's Income Through Diversification: Book of Abstracts-Poster presentation</i> (pp.219). Society for Horticultural Research and Development, Ghaziabad, U.P.
3.	M.S., Sankanur, R.P. Gunaga, S.K. Sinha and B. Choudhari. 2019. Enhancing farmers income by preparation of fancy decorates and articles using wooden and bamboo wastes. In: Ahlawat, T.R., Singh, R.R., Sankanur, M.S. and Chaudhary, A.D. (Eds.), <i>Secondary Agriculture: Significance and scope in the era of globalization: Book of abstract-oral presentation of National Seminar, November 27-29, 2019</i> (pp.48). Navsari Agricultural University, Navsari.
4.	J. Chavda, S.K. Sinha and J.G. Pathak. 2020. Identification of different bamboo species based on physic-anatomical properties. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-oral presentation of National Conference, February 27-29, 2020</i> (pp.18). Navsari Agricultural University, Navsari.
5.	L.K. Behera, A.A. Mehta, S.K. Sinha , and S.M. Patel. 2020. Foraging activity of honeybees (<i>Apis</i> spp.) on bottle brush (<i>Callistemon lanceolatus</i>): A promising bee flora. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-oral presentation of National Conference, February 27-29, 2020</i> (pp.19). Navsari Agricultural University, Navsari.

6.	Chaudhari, P.A., Sinha, S.K. and Mevada R.J.2020.Conservation of NTFPs trees in traditional agroforestry systems. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-poster presentation of National Conference, February 27-29, 2020</i> (pp.38-39). Navsari Agricultural University, Navsari.
7.	H.T. Hegde, A.A. Mehta, S.K. Sinha , and R.P. Gunaga. 2020. Community participation in conservation and management of NWFPs. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-poster presentation of National Conference, February 27-29, 2020</i> (pp.56-57). Navsari Agricultural University, Navsari.
8.	M.S. Sankanur, R.P. Gunaga, S.K. Sinha , and H. Patel, 2020. Decorative handicrafts from waste: For better income and livelihood. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-oral presentation of National Conference, February 27-29, 2020</i> (pp.69-70). Navsari Agricultural University, Navsari.
9.	A.A. Mehta, L.K. Behera, S.K. Sinha , and B.S. Desai, 2020. Involvement of people's groups for livelihood security through NTFPs in dangs of south Gujarat. In: Ahlawat, T.R., Gunaga, R.P. Sankanur, M.S., Sinha, S.K., Chaudhary, A.D. and Patel, H.S. (Eds.), <i>Utilization and Conservation of non-timber forest genetic resources for sustainable development: Book of abstract-oral presentation of National Conference, February 27-29, 2020</i> (pp.151). Navsari Agricultural University, Navsari.
10.	R. Patel, S.K. Sinha , B. Kinjal, C. Vasavao.2019. Pesticides Toxicity: A potential threat to biodiversity. <i>National Workshop on Pesticides Residues: Management and Techniques for Food Safety and Security</i> organized by Navsari Agricultural University, Navsari during February 25-26, 2019.
11.	S.K. Sinha , L.K. Behera, A.A. Mehta, C.A. Dholariya, R.P. Gunaga, H.P. Kikani. 2016. Bee foraging activity study on tree species during dearth period in the heavy rainfall zone of South Gujarat. <i>National Seminar on Forest and Tree Based Land Use Systems for Livelihood, Nutritional and Environmental Security</i> organized by Navsari Agricultural University, Navsari during December 21-23, 2016.
12.	S.K. Sinha , L.K. Behera, D.P. Patel, A.A. Mehta, M.J. Dobriyal, R.P. Gunaga.2016. Variation in vessel parameters among clones of Eucalyptus in South Gujarat. <i>National Seminar on Forest and Tree Based Land Use Systems for Livelihood, Nutritional and Environmental Security</i> organized by Navsari Agricultural University, Navsari during December 21-23, 2016.
13.	A.A. Mehta, L.K. Behera, S.K. Sinha , J.G. Pathak.2016. Palmyra Palm and Beekeeping. <i>National Conference on Palmyra Palm</i> organized by Navsari Agricultural University, Navsari during January 7-8, 2016.
14.	S.K. Sinha , R. Vijendra Rao, T.S. Rathore, H.P. Borgaonkar.2014. Growth Ring Structure and Specific Gravity Variation in Juvenile and Mature Wood of Natural-Grown Teak (<i>Tectona grandis</i> L.f.). <i>International Conference on Wood is Good: Current Trends and Future Prospects in Wood Utilization</i> organized by Institute of Wood Science and Technology, Bangalore during November 21-23, 2014.
15.	L.K. Behera, R P Gunaga, S. K. Sinha , A A Mehta, M J Dobriyal.2014. Agroforestry: An option for climate change mitigation through carbon sequestration. <i>Global conference on Technical Challenges and Human resources for Climate Smart Horticulture-Issues and Strategies</i> organized by Navsari Agricultural University, Navsari during May 28-31, 2014.
16.	S.K. Sinha , P.K. Sahoo, L.K. Behera, A.A. Mehta.2012. Practice of Agroforestry in saline and alkaline soils. <i>National Seminar on An Evergreen Agriculture for Food Security and Environmental Resilience</i> organized by Navsari Agricultural University, Navsari during February 2-4, 2012.
17.	S.K. Sinha , A.A. Mehta, L.K. Behera, R. Kumar.2012. Agroforestry trees for successful bee keeping. <i>National Seminar on An Evergreen Agriculture for Food Security and Environmental Resilience</i> organized by Navsari Agricultural University, Navsari during February 2-4, 2012.

18.	S.K. Sinha , S.K. Gupta, S.K. Jha, L.K. Behera, M.R. Parmar, S.S. Koyande, D.B. Jadeja.2012. Above ground biomass estimation of different Eucalyptus clones. <i>National Seminar on An Evergreen Agriculture for Food Security and Environmental Resilience</i> organized by Navsari Agricultural University, Navsari during February 2-4, 2012.
19.	S.K. Sinha , L. K. Behera, A.A. Mehta. 2011. Availability of Suitable Bee Flora for Commercial apiculture during dearth period in Navsari Agricultural University of South Gujarat. <i>International conference on Non-wood Forest Produce for Sustained Livelihood</i> organized by M.P. Forest Department, Bhopal during December 17-19, 2011
20.	S.K. Sinha , Vikas Kumar, Bimal S. Desai, A.A. Mehta.2011. Role of Non-wood Forest Products in Tribal Economy of Gujarat. <i>International conference on Non-wood Forest Produce for Sustained Livelihood</i> organized by M.P. Forest Department, Bhopal during December 17-19, 2011

9. Research recommendation =18

For Farmers Community- Total-12: [02 (As PI); 10 (As Co-PI)]

For Scientific Communities-Total- 06: [03 (As PI); 03(As Co-PI)]

10. Organized Seminar/Symposium/Conference/Workshop/Hands on Training

1. Co-organized national seminar on “Secondary Agriculture: Significance and Scope in the Era of Globalization” from November 27 to 29, 2019 under CAAST subproject sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.
2. Coordinated event on “Agripreneurship: Current Scenario and Future Endeavours” from December 26 to 28,2019 under CAAST sub project sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.
3. Co-organized national conference on “Utilization and Conservation of Non-Timber Forest Genetic Resources for Sustainable Development” from February 27 to 29, 2020 under CAAST sub project sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.
4. Organized Hands on Training on “Wooden Decoratives” from July 24 to 26, 2019 under CAAST sub project sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.
5. Organized Hands on Training on “Waste Utilization and Value Addition of Non-Timber Forest Resources” from January 22 to 24, 2020 under CAAST sub project sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.
6. Coordinated virtual training on “Recent Trends in Cultivation, Processing and Value Addition of Few Important MAPs” from June 7 to 10, 2021 under CAAST sub project sponsored by National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi.

11. Guest Lectures Delivered

Sr. No.	Guest lecture details
1.	Delivered guest lecture on Tree improvement requisite for wood quality during ICAR Winter School on “Current and Emerging Trends for Conservation and Sustainable Utilization of Forest Genetic Resources” held in College of Forestry, Navsari Agricultural University, Navsari from September 24, 2018 to October 14, 2018.
2.	Delivered guest lecture on Potential tree species for making wooden decorative during Hands on Training on “Wooden Decoratives” organized by NAHEP-CAAST sub-project, Navsari Agricultural University, Navsari from July 24 to 26, 2019.
3.	Delivered guest lecture on Essential oils: Significance, extraction, storage and utilization during Hands on Training on “Waste Utilization and Value Addition of Non-Timber Forest Resources” organized by NAHEP-CAAST sub-project, Navsari Agricultural University, Navsari from January 22 to 24, 2020.
4.	Delivered guest lecture on Seasoning and use of preservatives for enhancing quality of bamboo and wood resources during Skill development training on “preparation of wooden decorates” organized by NAHEP-CAAST sub-project, Navsari Agricultural University, Navsari on March 20, 2021.

5.	Delivered guest lecture cum practical exposure on Bee keeping equipments and honey extraction processing during Farmer's training on "Beekeeping" organized by NAHEP-CAAST sub-project, Navsari Agricultural University, Navsari from January 21 to 22, 2021.
6.	Delivered guest lecture on Wood Identification-Artificial Intelligence (AI) model on Xylorix platform in the training programme on 'Timber Identification and its importance' held on November 12, 2021 organized by Institute of Wood Science and Technology (IWST), Bengaluru.

12. Participated in Professional Trainings

1. Participated in training on "Leadership and entrepreneurship development for junior scientists/professors" organized at Navsari agricultural University, Navsari by National Council for Climate Change, Sustainable Development and Public Leadership **from 20th to 21st March, 2014 (Two days)**.
2. Participated in training on "Enhancing Teaching-Learning Training Competencies" jointly organized by Indian Society for Training and Development, New Delhi-Vadodara Chapter and Navsari agricultural University, Navsari **on 22nd December, 2017(one Day)**.
3. Participated in ICAR Summer School training on "Livelihood and Climate Change Mitigation and Adaptation through Agroforestry" organized by Central Arid Zone Research Institute, Jodhpur from **3rd to 23rd August, 2016 (3 weeks)**.
4. Participated in UGC-sponsored "Orientation Programme" for teachers organized by UGC-HRDC, Gujarat University, Ahmedabad from **29th May 2017 to 25th June, 2017 (4 weeks)**.
5. Participated in ICAR Winter School training on "Advances in product diversification and waste utilization of natural fibres "organized by ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata from **3rd to 23rd December, 2019 (3 weeks)**.
6. Participated in online short-term training course on "Natural Resins and Gums: Production, Processing, Value Addition and Marketing" organized by ICAR-Indian Institute of Natural Resins and Gums, during **July 20-30, 2020 (10 days)**
7. Participated in online training on "Water: Quantity and Quality Aspects" organized by CSIR-NEERI, Nagpur on **October 20-21, 2020 (Two days)**
8. Participated in National Level Higher Training on "Sustainable Development of Secondary Agriculture: Economical, Food-Nutritional and Livelihood Perspective" organized by Centre for Advanced Agricultural Science & Technology of Navsari Agricultural University, Navsari, Gujarat under NAHEP, ICAR, New Delhi during **16 January, 2021 to 5 February, 2021 (3 weeks)**
9. Participated in University level full day Faculty Development Programme on 'Fostering Agri Innovation and Entrepreneurial Ecosystem' commemorating the maiden celebration of the National startup Day under the aegis of the University Startup Cell of NAU, Navsari on **January 16, 2025 (One day)**

13. Members of Scientific Society

- Life member of **Indian Academy of Wood Science (IAWS)**, IWST, Bangalore.
- Life member of **The Indian Natural Fibre Society**, ICAR-NINFET, Kolkata.
- Life member of **Q-NET forum on Quantitative Wood Anatomy**, WSL, Switzerland
- Life member of **Indian Society of Agroforestry**, Jhansi, Uttar Pradesh.
- Life member of **Society for Advancement of Human and Nature (SADHNA)**, Solan, H.P.
- Life member of **Past Global Changes (PAGES) news community**, Switzerland.
- Annual member of **Society of Wood Science and Technology**, Monona, WI-USA.
- Annual member of **International Association of Wood Anatomists (IAWA)**, Netherland

14. External Examiner: 07 Agricultural Universities

15. Online Guest Lectures Organized: 10

16. Reviews Performed for National/International Scientific Journals

- Journal of Indian Academy of Wood Science
- Indian Journal of Natural Products and Resources
- Indian Journal of Agroforestry
- Trees-Structure and Function
- Journal of Sustainable Forestry
- Environment and Natural Resources Journal
- Peer J
- Net Journal of Agricultural Science

17. Other Responsibilities

- Forest Museum Coordinator, College of Forestry
- Cultural Advisor, College of Forestry
- Yoga Coordinator, College of Forestry
- Editor of Annual Report, College of Forestry
- Member of AGRESCO sub-committee (Forestry)