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## CURRICULUM VITAE

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### Brief Narration:

*Dr Thiru Selvan is working as a Full time Faculty in the department of Forestry and Biodiversity since 19<sup>th</sup> Sept., 2011. He holds a Masters and Doctoral degree in Forestry Specializing in Tree Improvement and Genetic Resources from Dr Yashwant Singh Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh, INDIA and has also been trained professionally in practical forestry and allied subjects from erstwhile State Forest Service College, Coimbatore (presently Central Academy for State Forest Service). A Forester, Biodiversity Conservationist and Tree Breeder, he has been a practising Forestry as a Forest Manager as a Forest Officer (2003-2009); Training Field Foresters (since 2009) and carrying out teaching research and Extension (since 2011-till date) in Natural Resource Management, Silviculture, Genetic improvement of trees, Field ecology, Managing Ecosystems, Forest-Linked Livelihood, Non-Timber Forest Produce, and Biodiversity Conservation for more than 20 years and published 43 research articles in both national and international Journals, Books and other publications. He has successfully completed successfully guided (>30 Masters and 01 Doctoral Thesis) and presently guiding Masters and Doctoral researchers in diverse areas of Forestry. He has successfully completed 10 research Projects and currently working on two*



projects of NeDFi and NITI Ayog constituted IHCUC. He has been awarded Indian National Academies Summer Research Fellowship in 2013 and is a member of many renowned National and International Organizations. He is currently associated as a Mentor in the Project Learning Tree Canada/World Forestry Congress' (PLTC/WFC) Green Mentor Program, Canada.

**Present Position:**

**Working as Assistant Professor (Stage –III)** - Dept. of Forestry and Biodiversity, Tripura University, Suryamaninagar, Agartala- 799022, Tripura, INDIA since 19th Sept., 2011 and is being involved in teaching Master's and Doctoral students; Research and extension in the field of Forestry and Biodiversity.

**Positions Held:**

Positions held	Organisation	Period	
		From	To
Assistant Instructor	Eastern Forest Rangers' College, Ministry of Environment and Forest, Government of India	Aug, 2008	Sept, 2011
Range Forest Officer	Department of Environment and Forests, Andaman and Nicobar Administration, Port Blair, INDIA	Nov, 2003	Aug, 2009
Principal Investigator	Andaman and Nicobar Islands Forest and Plantation Development Corporation Limited (Government of India Undertaking)	Apr, 2003	Nov, 2003

**Academic Background:**

Degree	Year of Award	University/Institute	Area of specialization	Title of Thesis
Ph D (Forestry)	1999	Dr Y S Parmar University of Horticulture and Forestry, Nauni, Solan, (HP), INDIA	Tree Breeding	Progeny Testing and <i>in vitro</i> Propagation of <i>Acacia catechu</i> Willd.
M Sc (Forestry)	1996	-do-	-do-	Collection and Screening of <i>Dendrocalamus hamiltonii</i> Nees et Arn. Ex Munro Germplasm
B Sc (Forestry)	1993	-do-	-do-	

### Professional Trainings:

Course	Period	Institute/conducted by
Range Forest Officer Certificate Course on Instruction and Practical Training in Forestry and Allied Subjects	Nov'2003 to Nov'2005	State Forest Service College, Ministry of Environment and Forests, Coimbatore, India
Isolation, Identification and Application of Biofertilizers in Forest Nurseries and Plantations	27 <sup>th</sup> Feb, 2006	IFGTB, Coimbatore
Sensitization course on GPS	6-8 <sup>th</sup> Mar, 2006	Forest Survey of India, Dehradun
Inventory Techniques, Image processing and GIS Applications in Forestry	11-22 <sup>nd</sup> Dec, 2006	Forest Survey of India, Dehradun
GPS in Forest Surveys and Demarcation	11-15 <sup>th</sup> Jun, 2007	Forest Survey of India, Dehradun
One Week course on Direct Trainer Skills	03-07 <sup>th</sup> Jan, 2011	Administrative Training Institute, Mysore, Karnataka, India
One Week course on Design of Training	17-21 <sup>st</sup> Jan, 2011	Administrative Training Institute, Mysore, Karnataka, India
Two Weeks Training on NME-ICT-Saksham-IT Champion	21 <sup>st</sup> -1 <sup>st</sup> Dec, 2011	Microsoft and MHRD, Govt. of India
98 <sup>th</sup> Orientation programme	6 <sup>th</sup> Jan.- 2 <sup>nd</sup> Feb., 2015	University of Burdwan, Burdwan, West Bengal
Refreshers Course on Environmental Studies	22 <sup>nd</sup> Jul.-11 <sup>th</sup> Aug., 2015	UGC-HRDC Aligarh Muslim University, Aligarh
Refresher's Course on Science and Technology for Social Development	11 <sup>th</sup> Sep.-25 <sup>th</sup> Sep., 2019	FDC, Tripura University, Suryamaninagar
NRDMS-DST Winter School on Geospatial Technologies	29 <sup>th</sup> Nov.-19 <sup>th</sup> Dec., 2019	NRDMS-DST; NIT, Agartala

### Areas of Research:

Natural Resource Management, Silviculture, Forest Biology and Genetic Improvement, Field ecology, Biodiversity Conservation, Urban Forestry, Managing Ecosystems, Forest-Linked Livelihood, Non-Timber Forest Produce and Industrial Forestry

### Courses Taught:

Principles of Silviculture, Forest Biometry, Forest Genetics and Tree Improvement, Forest Resource Management and Valuation, Forest Genetic Resource Conservation, Reproductive Biology and Breeding methods in Forest trees, Agroforestry, Forest Utilization & Forest based Industries, Forest Policy, Laws and International Conventions in Biodiversity Management, Forest Protection, Wildlife Management, Wood Science and Technology,

Nursery Technology and Plantation Techniques (Skill Course), Practical approaches in Forestry & Biodiversity

### **Plenary/Invited Talks:**

- Delivered lecture on “Seed collection and treatment techniques” in Three day training programme o Capacity building/extension of Forestry for JFMC members held from 26<sup>th</sup> to 28<sup>th</sup> March, 2013 organised by Forest Research Division, Department of Forest and Wildlife, Government of Tripura.
- Delivered lecture at Cluster level intervention programme on Role of Artisans and Entrepreneurs in cluster based programmes 12<sup>th</sup> May, 2015, TRIBAC, Agartala
- Delivering lectures and took practical classes on Forest Utilization, Forest Economics; Environmental Economics, Joint Forest Management, Rural and Tribal Development; Silviculture to the Range Officer Trainees since 2011 at CASFOS, Byrnihat.
- Delivered lecture in the National Bamboo Webinar Series-I organised by FRCLE, ICFRE; SIDBI; USTM, SCSTE and TRIBAC on 26<sup>th</sup> June, 2020.
- Delivered lecture in the National Webinar organised by Enviro –Club of SIVET College, Chennai, Tamil Nadu on the topic “Bamboos as a Sustainable, Economically Viable Resource” on 5th August, 2020 at 2.00 pm.

### **Workshops, Seminars and Conferences:**

#### **Paper Presented:**

1. Presented a paper entitled “Nursery and Establishment Operations for Difficult Sites “ (6-12<sup>th</sup> October, 1996) in the UHF-IUFRO International Conference held at Dr Y S Parmar University of Horticulture and Forestry, Nauni, Solan, H.P., India.
2. Delivered lecture on “Application and use of GPS in Forest and Wildlife Management” during General Refreshers course for Range Forest Officers held at EFRC , MoEF, GOI during 10<sup>th</sup> Oct. 11 to 21<sup>st</sup> Oct., 2011.
3. Presented a paper entitled “Conserving and Managing Forest Resources by Communities under existing Legal Framework “ (8<sup>th</sup>-9<sup>th</sup> September, 2012) in the National Seminar on Recent Trends in Environmental Research and Management held at Netaji Subhas Mahavidyalaya, Udaipur, Tripura.
4. Presented a paper entitled “Vegetation pattern of commercially important trees in evergreen forests of Baratang Island, Andamans” 14<sup>th</sup> to 15<sup>th</sup> March, 2014 in the ISTS-IUFRO International conference on “Sustainable Resource Management for Climate Change Mitigation and Social Security” Organised by Indian Society of Tree Scientists, Solan, HP and International Union for Forest Research Organisation, Vienna, Austria.
5. Presented a paper entitled “Ecological Niche Modelling of Rubber (*Hevea brasiliensis* Muell. Arg) and Mahogany (*Swietenia mahagoni* L. Jacq.) in Tripura using Maxent Model” 8-10th Dec., 2016 in the International conference on Climate Change Adaptation and Biodiversity Organised by ICAR-Central Island Agricultural Research Institute, Port Blair , A & N Islands.

6. Presented a paper entitled “Assessment of Traditionally Used Wild Edible Plants and Its Impact on Health and Livelihood of the Ethnic Communities of Tripura, India” (5-7<sup>th</sup> January, 2017) in the International Seminar & 48<sup>th</sup> Regional Science Conference” on “Rural Habitat, Institutions and Development: Changing Nature and Challenges” Organised by Department of Geography and Disaster Management, Tripura University.
7. Presented a paper entitled “Effect of Rural Livelihood on Forest -A Case From Baramura Forest Area In Tripura” (5-7<sup>th</sup> January, 2017) in the International Seminar & 48<sup>th</sup> Regional Science Conference” on “Rural Habitat, Institutions and Development: Changing Nature and Challenges” Organised by Department of Geography and Disaster Management, Tripura University.
8. Presented a paper entitled “Trees of Urban and Peri-urban Forests of Agartala, Tripura” 5-7<sup>th</sup> January, 2017 in the National Seminar on Recent Trends in Biodiversity Conservation and Bioresource Utilization. Organized by Women’s College, Agartala and Department of Botany, Tripura University.
9. Presented a paper entitled “ Evaluation of Outturn of Mechanical Round Incense Sticks in Different Bamboo Species of India” in FTA-Kunming International Scientific Conference on Forests, Trees and Agroforestry for Diverse Sustainable Landscapes held on 22<sup>nd</sup> -24<sup>th</sup> June, 2021, at Kunming, China through online mode.
10. Presented a paper entitled “Preferential Use of Bamboos for Industrial Production of Incense Sticks” in 2<sup>nd</sup> International Electronic Conference on Forests- Sustainable Forests: Ecology, Management, Products and Trade (IECF 21) held on 1<sup>st</sup> to 15<sup>th</sup> Sept., 2021 through Online mode.
11. Presented a paper entitled “ Enhancement of Industrial Production of Bamboo Incense Sticks through Small, Medium Enterprises (SME’s) in the Commercial Forestry Investment Conference and Expo held on 23<sup>rd</sup> – 26<sup>th</sup> Nov., 2021 at Nairobi, Kenya through Online mode.

#### **Participated:**

1. International **Workshop** on “Prospects of Medicinal Plants” (4-9<sup>th</sup> November, 1996) Organised by IUFRO and Dr Y S Parmar University of Horticulture and Forestry, Nauni, Solan, H.P., India.
2. **Workshop** on the Management of Protected Areas in the Andaman and Nicobar Islands (9-11<sup>th</sup> July, 2001) held at Van Sadan, Dept. of Environment and Forests, A & N Islands, Port Blair, India.
3. **Workshop** on Wildlife Census Techniques (25-27<sup>th</sup> January, 2006) held at Van Sadan, Dept. of Environment and Forests, A & N Islands, Port Blair, India.
4. State Level Seminar on Safe Drinking Water and Sanitation in Rural Areas: Present Status, Problems and Prospects on 22-23<sup>rd</sup> Sept., 2011 held at Tripura University.
5. DST sponsored National Seminar cum **Workshop** on Bamboo cultivation and Resource Utilization (2<sup>nd</sup>-6<sup>th</sup> March, 2012) held at Tripura University Agartala, Tripura.
6. National Seminar on Molecular Biology on 31<sup>st</sup> March, 2012 organised by DBT Project, Dept. of Biochemistry, AGMC and Tripura University, Agartala, Tripura.
7. Awareness **Workshop** on Developing Location Specific R & D and Demonstration projects in Tripura 4-5<sup>th</sup> April, 2012 organised by Department of Science & Technology, Govt. of India at Agartala.
8. **Workshop:** Introduction to Scilab Organised by FOSSEE Group, IIT Bombay at Tripura University 27<sup>th</sup> March-19<sup>th</sup> April, 2012.

9. National Symposium on Integrated Approach for Teaching and Research in Life Sciences (28<sup>th</sup>-29<sup>th</sup> September, 2012) at Tripura University.
10. DBT sponsored **Workshop** on the Barcoding and PCR Techniques (22<sup>nd</sup>-26<sup>th</sup> February, 2013) Organised by State Biotech Hub, Tripura University at Tripura University Agartala, Tripura.
11. UGC sponsored National **Seminar** on “Recent Trends in Ethnobotanical Research in North-East India” (15<sup>th</sup>-16<sup>th</sup> March, 2013) held at Tripura University Agartala, Tripura.
12. Interaction workshop on “Registration of Geographical Indications in Tripura” (28<sup>th</sup> April, 2014) organised by NTFP Centre of Excellence, Tripura JICA Project in association with CFLE, Agartala and GI Registry, Chennai.
13. Author **workshop** on “Skill development to write scientific literature, quality improvement of manuscript for publication success” (18<sup>th</sup> Nov., 2014) Organised by Springer and Tripura University at MBB Bhawan, Tripura University, Agartala, tripura.
14. Project Launch & **Discussion Meet** of UNEP-GEF-MoEF ABS Project under Tripura Biodiversity Board on 13th March- 2015 organised by State Project Unit, ABS Project, TBB & Department of Zoology, Holy cross college, Agartala Pragna Bhawan, Agartala
15. Registrations of Geographical Indications in Tripura organized by NTFP Centre of Excellence, Forest Department, Govt. of Tripura 28th April, 2014 Tripura JICA Project, Hatipara, Gandhigram
16. **Interactive session** on “Growth and Climate Protection” 30th April, 2015 organised by NB Institute for Rural Technology, Agartala Press Club
17. 10<sup>th</sup> meeting of the Board of Management of NTFP Centre of Excellence, Agartala (Special Invitee) 28th February, 2015 NTFP Centre of Excellence, Forest Department, Govt. of Tripura.
18. Conference on “CAMP process using IUCN Red list category and criteria for the wild medicinal plant of Tripura 3-5th August, 2016 Tripura Biodiversity Board, Agartala.

### **Refreshers Course, Seminars/Workshops Symposium and Conferences**

#### **Organized:**

<b>Sl. No.</b>	<b>Name of the Event</b>	<b>Organized By</b>	<b>Year</b>
1	Two Weeks General Refresher Course for in-service Range Forest Officers	Eastern Forest Rangers' College, Kurseong	17.08.2009 to 28.08.2009
2	Two Weeks Wildlife Management Course for Range Forest Officers	Eastern Forest Rangers' College, Kurseong	09.11.2009 to 20.11.2009
3	Two Weeks Computer Application Course for in-service Range Forest Officers	Eastern Forest Rangers' College, Kurseong	07.12.2009 to 18.12.2009
4	Two Weeks General Refresher Course for Range Forest Officers	Eastern Forest Rangers' College, Kurseong	08.02.2010 to 19.02.2010
5	Two Weeks Computer Application Course for in-service Range Forest Officers	Eastern Forest Rangers' College, Kurseong	13.09.2010 to 24.09.2010
6	Two Weeks Wildlife Management Course for Range Forest Officers	Eastern Forest Rangers' College, Kurseong	15.11.2010 to 26.11.2010
7	Theme Based Workshop on Soil Conservation and Watershed Management	Eastern Forest Rangers' College, Kurseong	06.12.2010 to 10.12.2010

8	Two Weeks General Refresher Course for in-service Range Forest Officers	Eastern Forest Rangers' College, Kurseong	14.02.2011 to 25.02.2011
9	Two Weeks Computer Application Course for in-service Forest Range Officers	Eastern Forest Rangers' College, Kurseong	05.09.2011 to 16.09.2011
10	Theme Based Workshop on Policy & Legal Issues in Forestry for in-service FROs	Eastern Forest Rangers' College, Kurseong	26.09.2011 to 30.09.2011
11	Two Weeks General Refresher Courses for in-service Forest Range Officers	Eastern Forest Rangers' College, Kurseong	10 – 21 <sup>st</sup> Oct., 2011
12	United Nations Conference on Sustainable Development Rio+20 Certification program as a Coordinator	Tripura University, Agartala	March-April, 2013
13	ISTS-IUFRO Conference on Sustainable Resource Management for Climate Change Mitigation and Social Security	Entrepreneur Development Centre, IT Park, Chandigarh	13-15 <sup>th</sup> March, 2014
14	National seminar on Biodiversity for Sustainable Development	Tripura Biodiversity Board and Department of Botany, in collaboration with Dept. of Forestry and Biodiversity, Tripura University, Agartala, India	25 <sup>th</sup> to 26 <sup>th</sup> May, 2015
15	Workshop on North East India Biodiversity Portal	Dept. of Forestry and Biodiversity, Tripura University and ATREE	8th July, 2016
16	Organised NAU-ISTS National seminar on one of the members of National organizing committee Forest and Tree-Based Land Use Systems for Livelihood, Nutritional and Environmental Security	Nausari Agricultural University, Navsari, Gujrat.	December 21-23, 2016
17	Two weeks <b>MHRD-GIAN COURSE ON</b> Toward an Integrated, Transdisciplinary Science of Humans-in-Nature: Social-economical-ecological Systems (SESs) and Ecosystem services, assessment and perspectives for sustainable planning and management of SESs	Department of Forestry and Biodiversity, Tripura University	19th -30th November, 2018

## Research Projects:

### Ongoing:

Title	Funding Agency	Organisation	Duration	Total Budget (Rs.)
Impact Assessment and Restoration of Degraded Monoculture plantation of natural rubber ( <i>Hevea</i>	IERP- G.B. Pant National Institute of Himalayan Environment &	Tripura University, Agartala	3 years (2018-2021)	9.95 Lakh

<i>brasiliensis</i> ) Through Understory Development for Diversified Livelihood Options in Tripura	Sustainable Development			
Factors Impeding the Growth of Bamboo Sector in NER & Preparing a Roadmap to make it a vibrant sector in NER Economy	North Eastern Development Finance Corporation Ltd.(NEDFi)	Tripura University, Agartala	Sept, 2020 to Feb, 2021 (6 months)	1.5 Lakh
Development of Eco-friendly and Cost-effective Tourism in Hills	NITI Ayog central universities consortium of Himalayan University-UGC STRIDE	Tripura University, Agartala	May, 2020-2022	14.5 Lakh

### Completed:

Title	Funding Agency	Organisation	Duration	Total Budget
Environmental Impact assessment- evaluation, monitoring and planning of the limestone deposits of Sirmaur area of Himachal Pradesh, India	MoEF	Dr Y S Parmar University	2 Years	Rs. 5 lakh
Aeroallergence and human health aerobiological studies	DBT, GOI	Dr Y S Parmar University	2 Years	Rs. 10 Lakh
Coordinated study on cultural practices, management and utilization of Acacia catechu	ICFRE	Dr Y S Parmar University	2 Years	Rs. 5 lakh
Genetic Improvement of Dalbergia sissoo in Jammu and Kashmir and Himachal Pradesh, India Genetic Improvement of Dalbergia sissoo in Jammu and Kashmir and Himachal Pradesh, India	ICFRE	Dr Y S Parmar University	2 Years	Rs. 5 lakh
Bioprospecting of biodiversity conservation of medicinal plants and development of plant based health care systems in Andaman and Nicobar Islands	DST	Dr Y S Parmar University	2 Years	Rs. lakh
<i>In situ</i> conservation of Medicinal Plants in Little Andaman	Medicinal Plant Board under the Ministry of Health and Family Welfare, Government of India	Andaman and Nicobar Islands Forest and Plantation Development Corporation Limited	2 years	Rs. 3.5 lakh



		(Government of India Undertaking)		
<i>Ex situ</i> conservation of Medicinal Plants in Little Andaman	Medicinal Plant Board under the Ministry of Health and Family Welfare, Government of India	Andaman and Nicobar Islands Forest and Plantation Development Corporation Limited (Government of India Undertaking)	2 years	Rs. 3.5 lakh
<i>In situ</i> conservation of Medicinal Plants in North Andaman	Medicinal Plant Board under the Ministry of Health and Family Welfare, Government of India	Andaman and Nicobar Islands Forest and Plantation Development Corporation Limited (Government of India Undertaking)	2 years	Rs. 3.5 lakh
Network project on NTFP	ICFRE	Tripura University	3 Years	Rs. 7.98 Lakh
Conservation of Biodiversity and Livelihood Enhancement through Community-Based Forest Management and Ecotourism in and around Submergence of Small Hydropower Project	NMHS-PMU, GBPNIHESD	Tripura University, Agartala	3 years (2018-2021)	43.7 Lakh

### Thesis Supervision/Research Guidance:

#### Ph.D. awarded

Name	Title of the Thesis	University	Year Awarded
Tamal Majumdar	Structural diversity and functional aspects of Agartala's urban forest ecosystem, Tripura	Tripura University	April, 2020

#### Ph.D. pursuing

Name	Title of the Thesis	University	Year Awarded
V G Jenner	Suitability of Raw Material to Maximise the Industrial Production of Bamboo Incense	Tripura University	Pursuing since 2018

	Sticks		
Lumgailu Panmei	Contribution of Bamboo in Enhancing the Climate Resilient of Rongmei Community	Tripura University	Pursuing since 2019
Paushali Roy	Yet to be Confirmed	Tripura University	Pursuing since 2021

### M. Sc. awarded

Sl. No.	Name	Title of the thesis	University	Year Awarded
1	Amulya Debbarma	Study of Seed source variability in <i>Albizia procera</i> (Roxb.) Benth	Tripura University	June, 2014
2	Imalisha Pal	Assessment of Phenotypic Variability of <i>Terminalia bellirica</i> (Gaetn.) Roxb. in Tripura	Tripura University	June, 2014
3	Reshmi Debbarma	Provenance variation of Jackfruit ( <i>Artocarpus heterophyllus</i> Lam.) in Tripura	Tripura University	June, 2014
4	Biplab Banik	Assessment and Prediction of Growth Variables for <i>Shorea robusta</i> stands under Sadar Forest Division, Tripura	Tripura University	June, 2015
5	Debjani Nath	An analysis of the present condition of JFC areas in Panisagar, North Tripura	Tripura University	June, 2015
6	Manaswita Chanda	Impact of Resource Dependency by Forest fringe dwellers on Baramura Reserve Forest	Tripura University	June, 2015
7	Subhankar Chakma	Studies on Yield variation and problems associated with management of Rubber ( <i>Hevea brasiliensis</i> ) plantations in Tripura.	Tripura University	June, 2015
8	Sandip Paul	Documentation on Ex-situ Conservation of Traditional Medicinal Resources in North Tripura District.	Tripura University	August, 2016
9	Anamika Das Chowdhury	Livelihood Potential of Bamboo Activities in the Homesteads under Community Approach in Noagaon and Kanchanpur Village of Tripura.	Tripura University	August, 2016
10	Mandira Nath	Predicting the Distribution of Rubber ( <i>Hevea brasiliensis</i> Muell Arg) and Mahogany ( <i>Swietenia mahagoni</i> L. Jacq.) in Tripura under Future Changed Climate using Ecological Niche Modelling Approach.	Tripura University	August, 2016
11	Maria Debbarma	Species Diversity, Regeneration status and Carbon stock in different forest stands of Tripura.	Tripura University	August, 2016
12	Jimi Debbarma	Studies on Vegetative Propagation of Selected Bamboo Species of Tripura.	Tripura University	August, 2016

13	Dipika Debnath	Seed Sources Variation in Narutal Stands of <i>Gmelina arborea</i> Linn. in Tripura	Tripura University	July, 2017
14	Debika Debbarma	Evaluation of Plant Regeneration Techniques of Tripura	Tripura University	July, 2017
15	Prasenjit Choudhury	Bamboo Resources and their Harvesting Practices in Different Forest Types of Tripura	Tripura University	July, 2017
16	Suman Dey	Tree Carbon Stock in Pure Plantation and Agroforestry System of Tripura	Tripura University	July, 2017
17	Subham Debnath	Economic Potential and Marketing Trend of Bamboo in Tripura	Tripura University	July, 2017
18	Dipanjali Ghosh	Tree Species Diversity and Composition in Urban Parks and Gardens of Tripura	Tripura University	July, 2017
19	Carrymewell Surong	Effects of Seed Treatments and Storage Period on Seed Dormancy, Viability and Germination of <i>Michelia champaca</i> L.	Tripura University	July, 2018
20	Lipika Majhi	Effect of Understorey Vegetation on Productivity and Carbon Stock of Monoculture Plantations in Tripura	Tripura University	July, 2018
21	Satadipa Chakraborty	Preliminary Assessment of the Sawmills of Tripura	Tripura University	July, 2018
22	Subrajit Debbarma	Ecological Profiling on <i>Trema orientalis</i> L (BLUME) in Urban Landscapes of Tripura	Tripura University	July, 2018
23	Rijoyki Shylla	Conservation of Medicinal Plants in West Jaintia Hills District of Meghalaya	Tripura University	July, 2019
24	Lucy Debbarma	Frugivory in Relation to Fruit Tree Diversity in the Adjacent Forests of Shifting Cultivation Areas	Tripura University	July, 2019
25	Tiston Debbarma	Vascular Plant diversity in Urban and Peri Urban Landscape	Tripura University	July, 2019
26	Gahur Manik Jamatia	Growth Performance and Biomass Production Analysis of <i>Dendrocalamus longispatus</i> (Kurz) Kurz in Gomati (Tripura)	Tripura University	Sept., 2020
27	Rati Bala Debbarma	A Study on Growth Performance of <i>Dendrocalamus asper</i> (Schult.) Backer	Tripura University	Sept., 2020
28	Subham Chakma	Growth Performance and Productivity Analysis of <i>Melocana baccifera</i>	Tripura University	Sept., 2020
29	Priyanka Saha	Growth Performance and Productivity Analysis of <i>Bambusa tulda</i> Roxb. In Tripura	Tripura University	Sept., 2020
30	Jobha Brahma	Bamboo Based Agroforestry System in Kokrajhar District, Assam	Tripura University	August, 2021
31	Suhankey Ghosh	Structure and Composition of Bamboo Based Land Use System in Bokakhat Sub-Division of Golaghat District, Assam	Tripura University	August, 2021
32	Budheswar Teron	A Study on Traditional Bamboo Based Land Use System in Karbi Anglong District, Assam	Tripura University	August, 2021
33	Kiirthilekha	Structure and Composition of Bamboo	Tripura	August, 2021

	Sharma	Based Land Use Systems of Peri-Urban Area in West Tripura	University	
34	Nilanjan Datta	Study of Different Bamboo Based land Use System in Khowai	Tripura University	August, 2021
35	Kishan Bhowmik	Bamboo Based Land Use Systems and their Impact on Rural Livelihood	Tripura University	August, 2021

### M. Sc. pursuing

Sl. No.	Name	Title of the thesis	University	Year Awarded
1	Bidyut Debbarma		Tripura University	Pursuing
2	Bikram Sharma		Tripura University	Pursuing
3	Snigda Choudhury		Tripura University	Pursuing

### Publications:

#### Papers published in Indian Journals:

1. Singh, D.; Kumar, R. and **Thiru Selvan**, 1997. Interspecific Hybridization between Plums and Apricots to Develop Plumcots/Cotplums. *J. Tree Sci.* 16(2): 96-100
2. Kumar, R.; Lal, R.; Singh, D. and **Thiru Selvan** 1997. Cytological investigations on some *Salicina* and *Domestica* plums (*Prunus* sp.). *J. Tree Sci.* 16(2): 123-124.
3. Singh, N. B., Sarswat, C. V. and **Thiru Selvan** 1999. Genetic Improvement of Bamboos in India: Present Status and Future Strategies. In: *Advances in Hort. and Forestry*, Singh, S. P. (Ed.) 6: 193-231
4. Tripathi, K. P.; Tripathi, S.; **Selvan, T.**; Kumar, K.; Mehrotra, S. and Pushpangadan, P. 2004. Community structure and species diversity of Saddle Peak forests in Andaman Island. *Tropical Ecology* 45(2): 241-250.
5. **Thiru Selvan** and Singh, N. B. 2004. Genetic Divergence for Growth and Fodder Characteristics in *Dendrocalamus hamiltonii* Nees et Arn. ex Munro. *J. of Non-Timber Forest Products* 11(4): 319-326.
6. Kumar, K.; Tripathi, S.; **Thiru Selvan**; Bala, B. S.; Tripathi, K. P.; Jayaraj, R. S. C.; Mehrotra, S. and Pushpangadan, P. 2005. Ethnobotanical Studies on Plant Communities of Andaman Forests and their Indigenes Uses. *J. of Non-Timber Forest Products* 12(2): 104-112.
7. Ramakantha, V.; **Thiru Selvan** and Daniels, R. J. R. 2005. Birds of Coimbatore Urban Area, India. *Tiger Paper* 32(4): 1-5.
8. Kaushal Kumar; Kumar, B.; **Thiru Selvan**; Sajibala, B.; Jairaj, R.S.C.; Mehrotra, S.; Pushpangadan, P. 2006 Ethnobotanical heritage of Nicobrese tribe. *Journal of Economic and Taxonomic Botany* 30(2): 331-348.
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12. **Thiru Selvan**, Kaushik P.K., Chowdhury A. D. and Tripathi, K.M. 2018 Impact of Homesteads Bamboo Nurseries on the Livelihood- A Case from North and West Tripura, India. *Indian Journal of Ecology* 45(1): 48-59.
13. Tamal Majumdar and **Thiru Selvan**, 2018 Carbon Storage in Trees of Urban and Peri-urban Forests of Agartala, Tripura *Journal for Advanced Research in Applied Sciences* ISSN-2394-8442 5(2): 715-731.
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15. Guleria, Vipin; Choudhary, Punit; Vashisth, Amol; Gupta, Atul; **Selvan, Thiru** 2020 Studies on the physical characteristics, properties and productivity potential of exotic and indigenous bamboos in rainfed subtropical environment *Journal of Pharmacognosy and Phytochemistry* 9(3): 1552-1550.

#### **Papers published in International Journals:**

1. Kumar, K.; Singh, K. K.; Kumar, B.; **Thiru Selvan** and Bala, B. S. 2001. Use of Medicinal Plants by the Settlers of Great Nicobar Island (India). *J. Trop. Med. Plants*. 2(2): 235-238.
2. Kumar, K.; Singh, K. K.; Kumar, B.; **Thiru Selvan**; Jayaraj, R. S. C. and Pushpangandan, P. 2002. Use of Medicinal Plants in Katchal Island. *J. Trop. Med. Plants*. 3(2): 223-225.
3. Guleria, V; A Vashisht; A Gupta; **T Selvan**; C Thakur and D Kumar. 2013 Response of *Aloe vera* to organic sources of nutrients under rainfed conditions. *International Journal of Phytomedicines and Related Industries* 5(3)-159-163.
4. Guleria, V; A Vashist; A Gupta; **T Selvan** and R Kaler 2013. Standardization of organic production technology of *Aloe vera* under rain fed conditions. *Annals of Horticulture* 6 (2): 337-342.
5. **Selvan, T**; D Nandini and K Kaushik, 2014. Agarwood production for intensive income generation. *Review of Research* 3 (5): 1-9.
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7. Vipin Guleria, Amol Vashist and **Thiru Selvan** 2017 Studies on CO<sub>2</sub> flux and carbon sequestration in natural Grass communities under natural Chir-pine forests of Indian North West Himalayas. *International Journal of Advanced Research in Biological Sciences* 4(10): 179-184.

8. Sharma, Kishor; Acharya, Bhoj Kumar; Sharma, Ghanashyam; Valente, Donatella; Pasimeni, Maria Rita; Petrosillo, Irene; **Selvan, Thiru** 2020 Land use effect on butterfly alpha and beta diversity in the Eastern Himalaya, India *Ecological Indicators* 110: 105605 <https://doi.org/10.1016/j.ecolind.2019.105605>
9. Babu, Subhash; Singh, Raghavendra; Avasthe, RK; Yadav, Gulab Singh; Mohapatra, KP; **Selvan, Thiru**; Das, Anup; Singh, Vinod K; Valente, Donatella; Petrosillo, Irene 2020 Soil carbon dynamics in Indian Himalayan intensified organic rice-based cropping sequences *Ecological Indicators* 114: 106292 <https://doi.org/10.1016/j.ecolind.2020.106292>
10. **Thiru Selvan**, Sabyasachi Dasgupta and Kiran Kumar Murasing 2020 Conservation based Ecotourism through Community Participation - A case from Tripura *India International Forestry Working Group Newsletter- Working Group B3-Society of American Foresters* 8(2): 55-57.
11. V G Jenner and **Thiru Selvan** 2020. Prospects of Bamboo in Livelihood Enhancement of Rural Women through Incense Stick and its Role in Mitigating Rural Poverty- A model. *International Forestry Working Group Newsletter- Working Group B3-Society of American Foresters*. 8(3): 17-22.
12. Guleria, Vipin; Chaudhary, Punit; Vashisth, Amol; Sharma, Kamal; **Selvan, Thiru**; Thakur, Sanjeev 2021. *Terminalia chebula* (Harar) Characterization by using Morphological Descriptors in Himalayan Region *Indian Forester* 147(2): 154-159.
13. George Jenner, V.; **Selvan, Thiru** and Kumaresan, P. 2021 Preferred Physical Parameters of Industrial Agarbatti Sticks. *International Journal of Researches in Biosciences, Agriculture and Technology* 17: 515-524.
14. George Jenner, V.; **Selvan, Thiru** and Kumaresan, P. 2021 Preferential use of Bamboos for Industrial Production of Incense sticks. X: 1-7. <https://doi.org/10.3390/xxxxx>

#### **Papers published in Magazines/Newsletter**

1. **Thiru Selvan** 2005. Biotechnology in Forestry: current innovations and future trends. *Santaroma* XIX: 1-3.
2. **Thiru Selvan** 2005. Intellectual property rights. *Santaroma* XIX: 19-21.
3. **Thiru Selvan** 2005. Top ten advances in forestry. *Santaroma* XIX: 51-52.
4. Kaushik, P K and **Selvan, Thiru** 2014. Broom Grass- Research Updates and Future Scope. *MANJARI- A monthly newsletter of NTFP Centre of Excellence, Tripura*. 1(1): 16-17.
5. Kirti M. Tripathi and **Thiru Selvan** 2016 Scientific Cultivation of Rose and its Uses. *Agrobios Newsletter* 15(6): 64-66.

6. Kirti M. Tripathi and **Thiru Selvan** 2016 Flaxseed: A Boon to Human Health and Nutritional Security. *Agrobios Newsletter* 15(7): 138-140.
7. **Thiru Selvan** and Kirti M. Tripathi 2017 Economic Potential of Bamboo for Rural Livelihood. *Agrobios Newsletter* 15(9): 42-44.

#### **Articles / Chapters published in Books:**

1. Chauhan, P. S.; Singh, N. and **Thiru Selvan** 2005. *In Vitro* Propagation Techniques in *Acacia catechu* Willd. – An Important Agroforestry Tree. In: *Agroforestry in the 21<sup>st</sup> Century* (Chauhan, S.K.; Gill, S.S.; Sharma, S.C. & Chauhan, R. eds.) Agrotech Books, Udaipur, India.
2. Kaushik P K, Pandey R N, Saha A and **Thiru Selvan** 2014 Community Livelihood Nurseries (CLNS) for Sustained Income Generation and Afforestation: A Case Study from Tripura Relevant for Hill Bamboo. In: *Hill bamboos : an important resource for improving rural livelihoods* (Eds. V. P. Tewari, R. K. Verma, G. S. Goraya) ISBN-8193127536,9788193127537 Published by <http://www.dkagencies.com> for Himalayan Forest research Institute (ICFRE), Shimla.
3. **Thiru Selvan** and Kumar S 2017 Agroforestry in North-Eastern Himalayas In: *Agroforestry for Increased Production and Livelihood Security* (Gupta, S.K.; Panwar, P and Kaushal, R. eds.) New India Publishing Agency, New Delhi. pp 23-40.
4. Debbarma M, **Thiru Selvan**, Senthivadivel A S 2017 Tree Species Diversity and Composition in Naturally regenerating Forest Stands of Tripura. In: *Natural Resources Management for Sustainable Development and Rural Livelihoods* (Sati, VP and Lalmalsawmzauva, KC eds.) Today and Tomorrow's Printers and Publishers, New Delhi. pp. 287-300.
5. **Thiru Selvan** 2018 Bamboo Resources, Their Status, Conservation and Strategies for Improvement In: *Forest, Climate Change and Biodiversity* (Eds.)-Sood, K K; Mahajan, V; pp 263-286 Kalyani Publishers- May, 2018.
6. **Thiru Selvan**, Dasgupta S, Darlong F H and Divya R. 2019 Understanding Community Structure and Resource Dependency to Strategize Conservation Based Ecotourism for Sustainable Management of Dumbur Reservoir- A Proposed Ramsar Site In: *River and Water Management for Sustainable Development with Policy Perspectives* (eds. V L Dharurkar) Tripura University-July, 2019.

#### **Books:**

1. Guleria, V; V Dutt; A Vashisht; **T Selvan**; R Kaler and Naresh Sharma. 2014. *Aushadiya evam Sugandhit paudo ki Aadunik Vivasayak Vigyanik Kheti*. Anuradha Publisher, New Delhi. 201p.

2. Rao, R; **Selvan, T**; Reza, S; Jayaraman, D and Cohen, B R 2018 Bamboo Micro-propagation (Tissue Culture) Planting Material Production. **INBAR-Transfer of Technology Model -2018** <https://resource.inbar.int/upload/file/1543379203.pdf>

### **Awards/Appreciations:**

- Awarded Merit Scholarship during my Ph. D. programme.
- Qualified ICAR-NET in Forestry for eligibility for lecturership.
- Awarded the IASc-INSA-NASI Summer Research fellowship-2013 and worked on “Studies on molecular techniques: MSAP, Proteomics and Gene Cloning” at Institute of Himalayan Bioresource Technology (CSIR), Palampur, (H.P.)
- Selected to participate as a Mentor in the Project Learning Tree Canada/World Forestry Congress’ (PLTC/WFC) Green Mentor Program-2021

### **Membership/Positions in Learned Academic Bodies / Organisations:**

- Life Member, Indian Science Congress Association
- Life Member, Indian Ecological Society
- Life Member, Indian Society of Tree Scientists
- Life Member, Indian Society of Agroforestry
- Life Member, Integrated Mountain Initiative
- Life Member, Indian Society of Genetics and Plant Breeding
- Life Member, Andaman Science Association
- Life Member, Developmental Initiative for Sustainable Advancement
- Life Member, Bamboo Society of India
- Life Member, Society for Community Mobilization for Sustainable Development
- Life Member, Indian Association of Hill Farming, Umiam, Meghalaya, India

### **Editing and Reviewing Assignment**

- Guest Editor of “Manjari”: A monthly newsletter of NTFP Centre of Excellence, Tripura.
- Reviewer for Reputed Journal like Journal of Environmental Management, Ecological Indicator, Annals of Forest Science, Cogent environmental science, Ecological genetics and genomics, VEGETOS: An International Journal of Plant Research

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