


## CV of Prof. (Dr) V. S. Devadas

1.	(a)	Name	:	Prof. (Dr.) V. S. DEVADAS	
	(b)	Date of Birth	:	01- 01- 1958	(Age : 65 years)
2	(a)	Present address	:	Prof. (Dr.) V. S. DEVADAS, PROFESSOR & HEAD - DEPT. OF HORTICULTURE, VANAVARAYAR INSTITUTE OF AGRICULTURE. (Affiliated to TNAU ; and Accredited by ICAR ) POLLACHI- COIMBATORE- 642 103. India	
3.		Educational Qualifications	:	B.Sc (Hort), M. Sc. (Hort), Ph.D. in Horticulture	

#### 4. Work Experience (in reverse chronological order):

At Vanavarayar Institute of Agriculture, Pollachi	From 18 <sup>th</sup> March 2022 (continuing)	Continuing 1 year	2 months
At Karunya Institute of Technology and Sciences, Coimbatore (continuing)	3 <sup>rd</sup> May 2021 to 17 <sup>th</sup> March 2022	-	10 months
At Central Agricultural University :	Jan - July 2020	-	6 months
At Arunachal University of Studies:	Oct 2018 - Dec 2019	1 year	2 months
At Kerala Agricultural University :	May 1983- Dec 2017	34 years	7 months
<b>Total Experience</b>		<b>38 years, 3 months</b>	

Total Experience in the cadre as **Professor** (in KAU, AUS, CAU, KITS, VIA): 17 years, 3 months

**Administrative Experience:** (Head of Stations, Assoc. Director of Research, Dean ): 22 years, 4 months

#### Details of positions held (in reverse chronological order):

S. No.	Post	Organization/ University	Duration		Experience -	
			From (Date)	To	Years	Months
1	Professor Dept. of Horticulture	Vanavarayar Institute of Agriculture,, Pollachi	18- 3- 2022	Continuing	1	2
2	Professor of Horticulture – <b>Vegetable Science</b>	Karunya Institute of Technology and Sciences, Coimbatore,	03- 05 2021	17-3-2022	0	10
3	Professor – <b>Vegetable Science</b> &Dean i/c	College of Horticulture, Central Agricultural University, Mizoram	18-1- 2020	17-7-2020	0	6
4	Dean (Agriculture Sciences)	Arunachal University of Studies, Namsai	26-10-2018	24-12-2019	1	2
5	Professor & Associate Director of Research (Seeds)	Kerala Agricultural University, Thrissur	21-5-2004	31-12- 2017	13	7

5	Associate Professor	Kerala Agril. University UG and PG teaching, MSc-Horticulture students guidance	2-8-1993	20-5-2004	10	9
6	Asst. Professor	Kerala Agricultural University. Thrissur UG teaching	1-1-1986	1-8-1993	7	7
7	Jr. Asst. Professor	RARS- Ambalavayal	21-5-1983	31-12-1987	4	7
<b>Total PG teaching and research guidance : 17 years, 2 months</b> 1993- 2019: 16 years 2021, 2022 11 months <b>UG &amp; VHSC teaching : 15 years</b> 1984-1989:2022 5 years,5months 1992 to 1999 7 years Oct 2019 to May 2023 : 3 years 8 months						

**5.Administrative Experience:** (Head of Stations, Assoc. Director of Research, Dean ):

**22 years, 3 months**

**6.Publications:** Research papers – 71 ; Papers in seminars/ symposia :15;  
Books- 11 Nos ; Technical bulletins - 12; Popular articles - 71

( Pl see Annexure – I for the list )

**7. Awards and recognitions:**

Sr. No.	Name of Award/Fellowship etc.	Awarded by	Year of Award
1.	Outstanding teacher of the year 2021- Science and Research	Adoption of Social Media in Academia & Inno Serve Group, Pune.	2021
2.	Life time achievement award	Society for Tropical Agriculture, Delhi, India	2019
3.	Best poster award in the 7 <sup>th</sup> National Horticulture Congress	Horticulture Society of India, Delhi	2016
4.	Award of Appreciation	Kerala Agricultural University, Thrissur	2013
5.	Honorary National Fellow of CHAI	Consortium of Horticulture Associations of India, N. Delhi	2012
6.	Award of Appreciation	Kerala Agricultural University, Thrissur	2006
7.	Best poster award at the International Conference on Plasticsulture & Precision farming	Govt. of India, Ministry of Agriculture (Horticulture Commissioner), N. Delhi	2005
8.	Fellow of Indian Society of Seed Technology	Indian Society of Seed Technology IARI, N. Delhi	2001

## 8.Technical expertise and Achievements : RESEARCH

**Major Externally Funded Projects implemented**

Sl. No.	Title	Year of sanction	Amount Rs. lakhs	Funding Agency
1	<b>Network scheme on Production of Elite Seeds and Planting materials</b>	April 2011 to Dec 2017	850 lakhs	State Plan scheme, Govt of Kerala
2.	<b>NAIP - Multi enterprise farming models in Wayanad dist. of Kerala</b>	2008-09 to 2013-14	714.360	<b>World Bank,</b> through ICAR

3.	KAU-Rubber mark Collaborative project - “Centre for crop nutrition”	2007-08 to 2012-13	21.175	Kerala State Rubber Marketing Federation Ltd
4.	KSCSTE project- Need based farmer-participatory trials in Jasmine	2005 -2008	5.170	KSCSTE, Govt. of Kerala
5.	Agro-based poverty alleviation programme in Anakkayam tribal colony	2005-2007	3.970	Tribal Development Department
6	KAU-IPL- Kali und Salz collaborative project on Use of potassium fertilizers in Pineapple	2001-2004	4.900	Kali-und Salz, Germany
7	SHM scheme : Establishment of Leaf tissue analysis lab at RARS Ambalavayal	2009-10 2010-11	8.000	State Horticulture Mission, Kerala
8	SHM scheme : Establishment of Bio control lab at RARS Ambalavayal	2009-10 2010-11	80.000	State Horticulture Mission, Kerala
9	Design, construction and performance evaluation of low cost naturally ventilated Green house suitable for humid tropical climate	2004 - 2008	8.627	KSCSTE, Govt. of Kerala
10	Nutrient management and processing qualities of Vanilla	2004 - 2007	2.585	KSCSTE, Govt. of Kerala

## 9. International and inter-institutional / collaborative projects implemented

Sl. No.	Title	Institutions	Year of sanction	Amount Rs. Lakhs	Funding Agency
1	Kerala Horticulture Development Programme (Research and Development component in vegetable Seed Production)	European Economic Community and KHDP, Govt of Kerala	1993	332	European Economic Community
2.	“KAU-IPL - Kali und Salz collaborative project on Use of potassium fertilizers in pineapple”	M/s. Kali und Salz, Germany; Indian Potash Ltd, New Delhi and KAU	2001  3 years	4.95	Kali und Salz, Germany; <i>through IPL, New Delhi</i>
3.	<b>World bank aided NAIP on “Multi enterprise farming model to address the agrarian crisis of Wayanad District of Kerala</b>	IISR(ICAR), Calicut; Regional Coffee Res Station, (Govt of India); District Panchayat Wayanad; VFPCK-; and Wayanad Social Service Scheme, Wayanad (NGO)-	2008  6 years	714.360	<b>World Bank, through ICAR</b>
4.	KAU- Rubber mark research project on Centre for Crop Nutrition	Kerala State Rubber Marketing Federation & KAU	2006-07  4 years	21.175	Rubbermark, Ernakulam
5.	Agro based poverty alleviation programme in Anakkayam Tribal colony	Kerala State tribal Dept & KAU	2005  2 years	3.970	Kerala State tribal Department

## **10. Consulting experience:**

Agriculture Consultant in Cochin Dewasom Board, Thrissur : 8 months from 9-2-2018 to 25-10-2019 (project preparation and supervision for implementing agriculture development programmes over 400 temple premises )

## **11. Research Scholars guided : 29**

**As Major Guide : 11 As member of advisory committee : 18**

(in vegetables, fruits, ornamental crops, seed technology, plant breeding and agronomy)

## **12. Major achievements:**

- a. Developed and released 11 improved vegetable varieties from Kerala Agril University
- b. Popularisation of improved varieties by implementing seed and nursery programmes
- c. Implemented NAIP- World Bank scheme: 'Multi enterprise farming models to address agrarian crisis of Wayanad District (2008-2012)
- d. Popularisation of KAU micro sprinkler in Kerala state for horticulture crops like coconut, Areca nut, nutmeg banana. etc (2003-2008)
- e. Agro based poverty alleviation programme in Anakkayam Tribal Colony (2005-2007)
- f. Started a new Dept. of Seed technology and PG course in Seed technology in College of Horticulture in 2012 by my initiatives

## **13. Service in Committees**

- g. Chairman – Board of Studies (Agriculture Sciences) ; and Member- Academic Council , Arunachal University of Studies, Namsai from Oct 2019 to Dec 2019 for 14 months
- h. Member of Faculty Research Council, Kerala Agricultural University , Thrissur from August 2008 to December 2017 for 13 years
- i. External Expert (Member), Board of Studies (Horticulture) – Tamil Nadu Agricultural University , Periyakulam for three years during 2014 to 2017
- j. Member – Institute Management Committee , Central Plantation Crops Research Institute (ICAR) Kasargode for three years 2014 to 2017.
- k. Chairman – Academic council Bharatiya Vidya Bhavan Schools, Ernakulam. for 10 months. Jan to Oct 2018

## **14. Membership in Professional bodies :**

- i. Life Member and Fellow of Indian Society of Vegetable Science, IIVR, Varanasi
- ii. Life Member and Fellow of Indian Society of Seed Technology, IARI- New Delhi
- iii. Life Member and Hon. Fellow of Consortium for Horticulture Societies of India, New Delhi
- iv. Life Member- Indian Society of Meteorology.

Date: 17<sup>th</sup> May 2023

V. S. Devadas  
(Signature of applicant)

## Annexure – I List of Publications

### M.Sc (Hort ) thesis :

“Screening for non bolting types of Amaranthus suited for year round planting”. 1983. Kerala Agricultural University, Thrissur

### Ph.D. (in Horticulture- Vegetable breeding) thesis:

“Genetic analysis of fruit and seed yield and quality in bitter gourd (*Momordica charantia*)”. 1993. Tamil Nadu Agricultural University, Coimbatore. India

**List of Research papers published: 71 Nos.** (starting from recent ones)

**International publications** - 10

**National publications** - 60

**Total** - 70

#### International publications - 11

Sl. No	Title of publication	Year	Name of Journal/ Publisher/Place of publication	Author (s)
1.	Beneficial effect of heavy metals, antagonistic effect and gene regulations in nutrient translocation through soilless culture	2023	Elsevier : <i>Journal of Agriculture and Food Research</i> : 12: 100600 <a href="https://doi.org/10.1016/j.jafr.2023.100600">https://doi.org/10.1016/j.jafr.2023.100600</a>	Avinash Sharma Himanshu Pandey , <b>V.S. Devadas</b> , Bhagya D. Kartha and Amit Vashishth
2.	Evaluation of Different Organic Manures on Yield And Quality of Pineapple Var. Mauritius	2005	<i>IV International Pineapple Symposium. Acta Horticulturae</i> No. 666: pp185-189	<b>Devadas, V.S.</b> and Kuriakose, K.P.
3.	Standardization of leaf sampling for nutrient analysis in pineapple var. Mauritius	2005	<i>IV International Pineapple Symposium. Acta Horticulturae</i> 666: pp 18	V.S. Devadas
4.	Genetic analysis of bitter principals in <u>Momordica charantia</u>	1994	<i>Cucurbit Genetics Co-operative Report</i> 17:129-131	Devadas, V. S. Seemanthini Ramadas
5.	Heterosis and combining ability for bitter principals in <u>Momordica charantia</u> .	1994	<i>Cucurbit Genetics Co-operative Report</i> 17: 132-134.	Devadas, V. S. Seemanthini Ramadas
6.	Yield and flowering response of <u>Amaranthus</u> species to weather.	1989	<i>Amaranth Newsletter</i> No.2:10-12	Devadas, V. S. Gopalakrishnan, P.K., Peter, K.V. and Rao, A.V.R.K.
7.	Genetic variability, correlation and path coefficient analysis in vegetable amaranths	1989	<i>Amaranth Newsletter</i> No.2:7-9	Devadas, V. S. Nair, M.V. and Peter, K.V.
8.	Effect of cutting and colour variation on bolting in vegetable amaranths.	1986	<i>Amaranth Newsletter</i> No.2:4-6	Devadas, V.S. Gopalakrishnan, P.K. and Peter, K.V.
9.	Phenotypic stability in amaranths	1986	<i>Amaranth Newsletter</i> No.1:2-4	Devadas, V.S. Gopalakrishnan, P.K. and Peter, K.V.

10.	Breeding for low anti nutrient factors in vegetable amaranths	1984	<i>Amaranth Newsletter</i> No.2:2-3	Devadas,V.S., Gopalakrishnan P.K. and Peter, K.V.
11.	Screening for non-bolting type(s) of amaranths suited for year-round	1983	<i>Amaranth Newsletter</i> No.3:3	Devadas,V.S. Gopalakrishnan P.K. and Peter, K.V.

### National publications - 60

Sl. No	Title of publication	Year	Name of Journal/ Publisher/Place of publication	Author (s)
12.	Production of, Factors Affecting, Gene Regulations, and Challenges in Tissue Cultured Plant through Soilless Culture	2023	<i>Journal of Agricultural and Food Chemistry</i> 71 (14), 5804-5811 DOI:10.1021/acs.jafc.2c08162	Avinash Sharma, Himanshu Pandey, V S Devadas, Bhagya D. Kartha, and Rani Jha
13.	Crop Hydroponics, Phyto-hydroponics, Crop Production, and Factors Affecting Soilless Culture	2022	<i>ACS Agricultural Science &amp; Technology</i> 2 (6), 1134-1150 DOI: 10.1021/acsagscitech.2c00243	Avinash Sharma. Chowlani Manpoong. <b>V. S. Devadas</b> , Bhagva D. Kartha. Himanshu Pandey, and Mannu Wangsu
14.	Biodegradation of polymers with microbial agents	2022	<i>Current Green Chemistry</i> 9 (3): 3-134 Improved va	Sharma, A., <b>Devadas, V.S.</b> , Praseetha, P.N., Chowlani, M. and Kartha, B.D
15.	Effect of Bio formulations on growth and yield of pea ( <i>Pisum sativum</i> )	2022	<i>Eco. Env. &amp; Cons.</i> 28 (3) : 1379-1383 DOI No. <a href="http://doi.org/10.53550/EEC.2022.v28i03.039">http://doi.org/10.53550/EEC.2022.v28i03.039</a>	Michi Yarang, Manpoong, C., Sharma, A., Raghavan, M., and <b>Devadas, V.S.</b>
16.	Performance of black rice ( <i>Oryza sativa</i> ) varieties grown in Namsai district of Arunachal Pradesh, India.	2022	<i>Res. Crop.</i> 23 (1) : 11-14. DOI : 10.31830/2348-7542.2022.002	Sangma, R.R., Manpoong, C., Avinash Sharma, <b>Devadas, V.S.</b> , Singh, D. and Pandey, H.
17.	UTILIZATION OF CRISPR CAS 9 SYSTEM IN CROP IMPROVEMENTS.	2022	<i>Plant Cell Biotechnology and Molecular Biology</i> 23(5&6):96-114; ISSN: 0972-2025	A. Sharma, <b>Devadas, V.S.</b> , Manpoong, C., Gayatri, S. and Bhagya, D. Kartha.
18.	Advancement of Agricultural Technology in Farming of India	2022	Bhartiya Krishi Anusandhan Patrika DOI: 10.18805/BKAP390	Avinash Sharma, <b>V.S. Devadas</b> , Hemant Sharma, Bhagya, D. Kartha, Himanshu Pandey, Gayatri Soni, Supriya Sharma, Nirupa Kumari
19.	Evaluation of improved varieties of rice ( <i>Oryza sativa</i> L.) under environmental condition of Namsai, Arunachal Pradesh, India	2022	<i>Eco. Env. &amp; Cons.</i> 28 (2) : 907-911 DOI No.: <a href="http://doi.org/10.53550/EEC.2022.v28i02.050">http://doi.org/10.53550/EEC.2022.v28i02.050</a>	Hibu Sunya, Avinash Sharma, Chowlani Manpoong, <b>V.S. Devadas</b> , Himanshu Pandey and Devendra Singh
20.	RESPONSE OF DIFFERENT MAIZE VARIETIES TO DIFFERENT PLANTING DENSITIES.	2021	<i>Int. J. Curr. Microbiol. App. Sci.</i> 10 (2) : 1-7	Mege Duchok, Tara, B, Sheelawati, M., Avinash Sharma and <b>Devadas, V. S.</b>
21.	VARIATIONS IN SEED SENESCENCE IN PADDY VARIETIES ( <i>Oryza sativa</i> L.). In Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020.	Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5; ISBN-13 Digit 978-81-944507-0-2) pp. 176-179	Lenmem Y. and <b>V. S. Devadas</b> ,

22.	EFFECT OF SEED TREATMENT IN RICE ( <i>Oryza sativa</i> L.) VARIETIES. <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020.	Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 180-183	Khrimey, N.D . , Devadas, V.S. and Sheelawati M.
23.	IMPACT OF TERMINAL CLIPPING ON THE YIELD PERFORMANCE OF SESAME ( <i>Sesamum indicum</i> L.) VARIETIES UNDER NAMSAI CONDITIONS. <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020.	Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 184-187	Bamang Siro, Devadas, V.S. and Hazarika, G. N.
24.	EFFECT OF DIFFERENT ORGANIC MANURES ON PERFORMANCE OF POTATO ( <i>Solanum tuberosum</i> L.) CV. KUFRI JYOTI AT NAMSAI CONDITIONS . <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020	Arunachal University of Studies, Namsai. Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 188-192	Saroh V , Libang, J. , Devadas, V. S. and Sheelawati Monlai .
25.	VARIABILITY OF SEED QUALITY PARAMETERS IN FRENCH BEANS ( <i>Phaseolus vulgaris</i> L.). <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020	Arunachal University of Studies, Namsai. Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 193-196	Jalingko Chaumoung, Rimi Deuri, Devadas V. S., and Sheelawati Monlai .
26.	EVALUATION OF PEA ( <i>Pisum sativum</i> L.) VARIETIES FOR GROWTH AND YIELD UNDER NAMSAI CONDITIONS, ARUNACHAL PRADESH. <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020	Arunachal University of Studies, Namsai. Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 197-201	Punyo Bakhang, Jena, A.K., Devadas V. S. and Sheelawati Monlai.
27.	EFFECT OF PRE-EMERGENCE HERBICIDE AND MULCHING ON WEED DENSITY AND DRY WEIGHT IN MAIZE ( <i>Zea mays</i> L.) <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020	Arunachal University of Studies, Namsai. Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 202-205	Kamin Lego and Devadas, V. S.
28.	EFFECT OF DIFFERENT ORGANIC MANURES ON GROWTH AND YIELD OF MUSTARD ( <i>Brassica juncea</i> L. ). <i>In</i> Natural Resources Management and Sustainable Agriculture with Reference to North-East India.	2020	Arunachal University of Studies, Namsai. Eduworld Publication, New Delhi. (ISBN-10 Digit 81-944507-0-5 ; ISBN-13 Digit 978-81-944507-0-2) pp. 218-221	Debia Yashi, Toyir Nyori, Tara Bhuyan, Sheelawati Monlai and Devadas, V. S.
29.	Performance of toria ( <i>Brassica campestris</i> L ) varieties under Namsai Conditioms	2020	<i>Int. J. Curr. Microbiol. App. Sci.</i> 9 (10) : 2101-2103	Taba N., Pranamika S, Devadas V.S., Hazrika, GN, and Sheelawati,M.
30.	Exploring neglected velvet bean ( <i>Mucuna pruriens</i> ) vegetable in Arunachal Pradesh	2019	<i>International Journal of Chemical Studies</i> 7 (1) : 2366-2368	Jena,AK, Devadas,VS, Sharma,P, Singh SP, Deori,R and Tara B
31.	Bio pesticides- safe and eco friendly Alternatives	2019	<i>Indian Farmer</i> 6 (1): 01-04	Jena,AK, Devadas,VS, Sharma,P, Singh SP, Deori,R and Tara B
32.	Determination of seed germination and seedling growth of local and exotic rice varieties with different water	2019	<i>The Pharma Innovation Journal</i> 8(5): 45-53	Avinash S, Sheelawati M, Devadas VS, Linggi B, Anchali Y and Azizul H.

33.	Indigenous traditional knowledge (ITK) documentation associated with mango landraces in the Kerala.	2017	<i>Trends in Biosciences</i> . <b>10</b> (20) : 4027-29	Kumar, V.H, Parameswaran, N.K, and Devadas, V.S.
34.	Variability of bullocks heart ( <i>Annona reticulata</i> ) in central zone of Kerala	2016	<i>International journal of Innovative Horticulture</i> . 5 (1): 47-50	Jyolsna M, Devadas,VS and Krishnan,S
35.	Study on the Morphological characteristics of selected indigenous paddy varieties of Wayanad District of Kerala	2016	<i>South Indian Journal Of Biological Sciences</i> . 2(1): 128-132	Baburaj,TS, Geetha Pillai, S and Devadas,VS
36.	Studies on physiological maturity of snake gourd var. Kaumudy	2015	<i>Research Journal of Agricultural Sciences</i> 2015. 6 (5): 990-993	Dhobi R.H, Krishnakumari K, George T.E, Devadas VS, and Rose M.F
37.	Influence of fruit size and position of seeds within the fruit on seed quality of snake gourd var Baby	2015	<i>Research Journal of Agricultural Sciences</i> 2015. 6 (5): 1117-1120	Dhobi RH, Krishnakumari K, George TE, Devadas VS, and Rose MF
38.	Genetic divergence in cowpea varieties for seed quality	2015	<i>J. of Tropical Agriculture</i> . 53 (2) : 197-199	Aswathi, C. Devadas,VS, Francies RM and Dijee Bastin
39.	Absorption pattern of <sup>14</sup> C urea in vanilla ( <i>Vanilla planifolia</i> )	2013	<i>Tropical Agriculture</i> 90 (3) : 140-147 (published by IITA, Ibadan)	Mini Abraham, Devadas, Vs , Sureshkumar, P and SumaPaulose
40.	Influence if weather parameters on yield and yield attributes of areca nut (areca catechu L)	2011	<i>Journal of Agricultural Physics</i> 11 : 88-90)	Sunil, K.M., Devadas, V.S., Susamma,P.G.
41.	Effect of weather parameters on bark yield of cinnamon under high Altitudes	2010	<i>Indian J. Arecanut, spices and Medicinal .Plants</i> 12 (3): 6-8	Sunil, K.M., Devadas, V.S., Susamma,P.G.
42.	Effect of weather parameters on yield of small cardamom	2010	<i>Indian J. Arecanut, Spices and Medicinal .Plants</i> 12 (3): 6-8	Sunil, K.M., Devadas, V.S., Sreelatha, A.K., Susamma,P.G.
43.	Aerial roots of vanilla- the most nutrient absorbing plat part	2010	<i>Indian J. Arecanut, Spices and Medicinal .Plants</i> 12 (1): 11-12	Mini Abraham, P. Suresh kumar, V.S. Devadas
44.	Effect of organic nutrients on disease tolerance in Vanilla ( <i>Vanila planifolia</i> )	2010	<i>Indian J. Arecanut, Spices and Medicinal .Plants</i> 12 (1): 12-14	Mini Abraham, Devadas, V.S. and Bridgit, TK.
45.	Intellectual property protection of specialty rices of Kerala as geographical indications	2010	<i>Proc. 22 Kerala Science Congress</i> . Pp 8-9	Elsy, KR, Devadas, VS, Jesy Thomas, Sumalatha, TV
46.	Studies on physiological maturity of oriental pickling melon	2004	<i>Seed Research</i> . 32(1): 52-54	Krishnakumari, K., Devadas, V.S., and Meagle Joseph.
47.	A note on seed development in okra	1998	<i>Veg . Sci.</i> 25(2) 187- 189.	Devadas, V.S., Gopalakrishnan, T.R, Kuriakkose, K. J. and Nair, S. R
48.	Studies on the viability of allspice Seeds	1988	<i>Indian Cocoa, Arecanut &amp; Spices Journal</i> 11(3):99	Devadas,V.S. Manmohandas,T.P.
49.	Effect of fruit grading on seed quality in snake gourd.	1998	<i>The Hort J.</i> 11(1) : 103-108.	Devadas V.S., Rani, T.G., Kuriakkose, K. J., Seena, P. G., and Gopalakrshnan T.R.
50.	Gene action of seed and quantity fruits in Bitter Gourd.	1997	<i>The J. Hort.</i> 10 (20) : 51-56	Devadas, V.S. and Seemanthini Ramadas.
51.	Evaluation - Cabbage varieties for the high range zone of Kerala	1996	<i>J.Trop .Agric.</i> 34 : 17-20	Gopalakrishnan, T.R., Varghese C.A., Giridharan, M.P. and Devadas, V.S.
52.	Combining ability for seed yield and quality parameters in bitter gourd.	1995	<i>Indian J. Genetics</i> , 55(1):41-45	Devadas, V.S. and Seemanthini Ramadas



53.	Drought and heat tolerance in certain curry leaf genotypes	1995	<i>S. Indian Hort.</i> 43: 98-100.	Raju V.K., Devadas, V.S. and Lekhakumari, P.R,
54.	Effect of certain growth stimulants on growth and yield of bitter gourd .	1994	<i>South Indian Horticulture.</i> 42(3): 117-118.	Devadas, V. S. Seemanthini Ramadas
55.	Yield, quality and shelf life of bitter gourd fruits as influenced by plant growth regulators	1994	<i>Journal of Tropical Agriculture</i> 32: 126-128.	Veenakumari,D. Raju, V.K. and Devadas, V. S.
56.	Methods for combating bacterial wilt disease in ginger in “Crop diseases: Innovative Techniques and Management”	1994	Kalyani Publishers, Ludhiana. pp.535-538	Manmohandas,T.P Satheesan,K.N. Devadas, V.S. Mammooty, K.P.
57.	Combining ability for yield components in bitter gourd.	1993	<i>The Hort. J.</i> 6(2):103-108	Devadas, V. S. and Seemanthini Ramadas.
58.	Performance evaluation of certain rice Cultivars	1993	<i>Journal of Tropical Agriculture.</i> 31 (2) : 188-92	George, S. P. Devadas, V. S. George, S. and Pillai, G. R
59.	Evaluation of selected varieties of okra for yield and resistance to Yellow vein mosaic	1993	<i>Journal of Tropical Agriculture</i> 31(2):215-18	Mathew, S.Vahab, M. A. Devadas, V. S. and Cherian, A.
60.	A comparison of red and green amaranths for growth and yield parameters	1993	<i>South Indian Horticulture</i> 41(1):43-46	Devadas, V.S. Gopalakrishnan P.K. and Peter, K.V.
61.	Report of a seedling marker character in bitter gourd.	1993	<i>South Indian Horticulture</i> 41(3):174-175	Devadas, V. S. and Seemanthini Ramadas
62.	Arka Jyothi- a promising watermelon hybrid.	1993	<i>Journal of Tropical Agriculture</i> 31(2):269- 270	Vahab, M.A. Devadas, V.S. Peter, K.V
63.	Comparative evaluation of banana cultivars under irrigated condition in the high ranges of Kerala.	1992	<i>South Indian Horticulture</i> 40(5):67-70	Susamma, P. G. Devadas, V.S. Thomas, C.G. and Jessy, M.K.
64.	Genetic divergence in vegetable amaranths.	1992.	<i>South Indian Horticulture</i> 40(1):16-20	Devadas, V. S. Gopalakrishnan, P.K. and Peter, K.V.
65.	Seed yield and quality as influenced by the method of pollination in Bitter gourd. <i>Momordica charantia</i> L.).	1992	<i>South Indian Horticulture</i> 40(5):277-79	Devadas, V. S. Seemanthini Ramadas
66.	Comparative evaluation of banana cultivars under rain fed conditions in the high ranges of Kerala	1991	<i>South Indian Horticulture</i> 39(3):156-158	Susamma,P. G. Devadas, V.S, Thomas, C. G. Kuriakose,J.M.
67.	Evaluation of selected varieties of vegetable cowpea ( <i>Vigna unguiculata</i> )	1991	<i>Vegetable Science:</i> 18(2): 222-224	Abdul Vahab,M. Joseph, S. Mathew, S.K. Devadas, V.S. Peter, K.V.
68.	Response of watermelon cv. Sugar Baby to NPK fertilizers	1991	<i>Agric. Res. J. Kerala.</i> 27: 49-52	Abdul Vahab, M. Devadas, V.S. Rajmohan, K. Cherian,K.A. Peter, K.V.
69.	Efficacy of fungicides for seed treatment against pre-emergence rhizome rot of ginger.	1990	<i>Indian Cocoa, Arecanut and Spices Journal</i> 14(1):13-15	Manomohandas, T. P., Devadas, V.S. and Pillai, G.R.
70.	Coffee: mixed cropping in Wayanad.	1989	<i>Planter's Chronicle</i> 84:453-455	Devadas, V. S. Manmohandas,T.P and Kannan, K.
71.	A comparative study of different planting materials of cashew types in Wynad.	1989	<i>The Cashew</i> 3:1-15	Devadas, V. S. Manmohandas,T.P George, S.P. and Kannan, K

## Books - 11 Nos. (5 in vegetables)

<i>Title/ Details</i>	<i>Pages</i>	<i>Publisher</i>	<i>Year</i>
Agricultural Science I (Text book approved by the Govt. of Kerala for the VHSC in Agriculture)	265	Kerala Agricultural University, Mannuthy	1989
<b>Review of Research on Vegetables and Tuber Crops – AMARANTHS</b>	60	Kerala Agricultural University, Mannuthy	1991
<b>"Kaikarikal Nooru Meni" (High yielding vegetables) (in Malayalam).</b>	108	Kerala Agricultural University, Mannuthy	1993
<b>"Pachakkarikkrishi"(Vegetable cultivation- Malayalam) ISBN 978-81-7638-978-5</b>	163	State Institute of Languages, Government of Kerala, Trivandrum.	2019
Micro Irrigation	84	Kerala Agricultural University,	2006
"Plantation cops" (Translation to Malayalam of the original book in English by Prof. K. V. Peter)	358	National Book Trust, India, New Delhi.	2009
Spices- Processing and value addition (Malayalam)	75	Kerala Agricultural University,	2010
<b>Vegetable Seed Production</b>	68	NHRDF, Calicut	2011
<b>Recent trends in vegetable cultivation</b>	72	NHRDF, Calicut	2012
Crop varieties- their demand and supply in SAARC Countries	132	SAARC Agriculture Centre and Kerala Agricultural University, Thrissur	2016
Traditional paddy varieties of Wayanad and cultivation Practices	99	Kerala Agricultural University, Thrissur	2016

## Contributions to Book chapters

1. Devadas, V.S. 2007. **Lettuce.** ( Book chapter) in Chadha, KL. 2007. Handbook of Horticulture, Indian Council of Agril Research, New Delhi. Pages: 416-418 , ISBN- 81-7164-006-0
2. Devadas, V.S. 2007. **Palak.** ( Book chapter) in Chadha, KL. 2007. Handbook of Horticulture, Indian Council of Agril Research, New Delhi. Pages: 434-436 , ISBN- 81-7164-006-0
3. Devadas, V.S. 2007. **Spinach** ( Book chapter) in Chadha, KL. 2007. Handbook of Horticulture, Indian Council of Agril Research, New Delhi. Pages: 461-463 , ISBN- 81-7164-006-0.
4. Avinash Sharma, S. Monlai, V. S. Devadas, C. Manpoong and B. Linggi . 2020. **Agrotourism a novel hub of research, farm school and agribusiness.** (BOOK CHAPTR ) in Conservation and Management of Bio-resources for Rural Development , Milu Rani Das (editor) . DEPARTMENT OF BOTANY, UNIVERSITY OF SCIENCE AND TECHNOLOGY, RIBHO, BARIDUA MEGHALAYA-793101. ISBN 978-93-87275-47-8. PP 1-5

## Technical Bulletins : 12 Nos.

<i>Title/ Details</i>	<i>Pages</i>	<i>Publisher</i>	<i>Year</i>
<b>" Seethakala Pachakkarikal" . (Cool season vegetables in Malayalam).</b>	36	Farm Information Bureau, Trivandrum	1984
Three decades of Research on Water Management	33	Kerala Agricultural University, Mannuthy	2005
Rainwater storage and ground water recharging	22	Kerala Agricultural University, Mannuthy	2006
Harithagriham (Mal) " Green house "	34	Kerala Agricultural University, Mannuthy	2007
Rain water harvesting and conservation	24	Kerala Agricultural University, Mannuthy	2007
KAU Micro sprinkler (English)	12	Kerala Agricultural University, Thrissur	2005
KAU Micro sprinkler (Malayalam)	12	Kerala Agricultural University, Thrissur	2006
Conserve water resources & drinking water	4	Kerala Agricultural University, Thrissur	2003
Rain water harvesting and conservation	10	Kerala Agricultural University, Thrissur	2003

**Popular articles published in magazines and dailies in Malayalam: 71 numbers**

**Papers presented in National Conferences/ Symposia : 15 Nos**

International Conferences attended

S.No.	Date	Title of Conference or Institution	Title/Subject of presentation (if made)
1	6-8 September 1999	1999 World Seed Conference, at Cambridge, UK	Effect of hydration- dehydration techniques on seed quality of vegetables
2	2016	SAARC consultative meeting on Seed banks in SE Asia held at Trivandrum	Seed Banks in India- Public and private Community

## Annexure II - List of students guided for Thesis Research

Sl. No.	Institution	Name of students & Topics of Research	Degree		Any other information
			M.Sc./ Ph.D.	year	
1.	College of Horticulture, Vellanikkara	1. Bejoy Kannath (Fruit and seed maturity; and seed storage studies in ash gourd)	M.Sc (Hort)	1995- 1997	Major Advisor/ Guide
2.	College of Horticulture, Vellanikkara	2. Narender Negi (Standardisation of agro techniques in Phalaenopsis)	M.Sc (Hort)	2011-2013	Major Advisor/ Guide
3	College of Horticulture, Vellanikkara	Aswathi C. Genetic diversity in seed quality of cowpea	M.Sc (Ag) Seed Tech	2012-2014	Major Advisor/ Guide
4	College of Horticulture, Vellanikkara	Jyolsna., M. Variability in Anona species	M.Sc (Hort)	2014-2016	Major Advisor/ Guide
5	College of Horticulture, Vellanikkara	1 . K. Krishnakumari (screening for leaf spot disease in amaranthus)	Ph. D.	2000-2003	As Member of Advisory Committee
		2 . K. P. Kuriakose (Development and evaluation of pineapple hybrids)	Ph. D.	2001-2004	
		3. Harikumar (Diversity of traditional mango varieties in central zone of Kerala)	Ph.D.	2014 2016	
		4. Roshin Varghese (Technological acceptance of POP fr vegetable crops))	Ph.D.	2014-2017	
6	College of Horticulture, Vellanikkara	1. Sunilkumar. (Post harvest studies in Lotus stem)	M.Sc (Hort)	1993-1994	As Member of Advisory Committee
		2. Bavra Balan. Nutrition studies in bitter gourd	M.Sc (Hort)	1995-1998	
		3. P. V. Liji (seed technology of chilli )	M.Sc (Hort)	1995-1997	
		4. Y.V. Sumalatha (Evaluation of scented paddy varieties of Wayanad)	M.Sc (Ag)	2010-2012	
		5. Rohit Kumar (Fruit and se development studies in snake gourd)	M.Sc (Hort)	2010-2012	
7	Arunachal University of Studies, Namsai	1. Lenmem Yosung (Variations in seed senescence in paddy varieties)	M.Sc- Agri	2018-2019	As major guide
		1 CHERA BURI : Performance studies of rice varieties in Namsai district 2 TABA NEM : Performance study of toria varieties 3 NETAN DORJEE KHRIMEY : Effect of seed treatments in rice varieties 4 PUNYO BAKHANG : Evaluation of pea varieties for growth and yield under Namsai conditions of Arunachal Pradesh 5 JALINGKO CHOUMOUNG : Variability of seed quality parameters in French beans 6 MEGE DUCHOK : Response of different maize varieties to planting densities 7 VIJAY SAROH : Effect of organic manures on growth and yield of potato cv. Kufri Jyoti at Namsai District 8 KAMIN LEGO : Weed diversity and their management in maize 9 DEBIA YASHI : Effect of organic manures on growth and yield of mustard	M.Sc- Agri	2018-2019	As member of advisory committee

Dated 17<sup>th</sup> May 2023

(V. S. Devadas)