

Senthilkumar Shanmugasundram, Ph.D.,*Assistant Professor**Department of Horticulture**School of Life Sciences**Central University of Tamil Nadu (CUTN)**Neelakudi campus, Thiruvarur-610 005**Mail ID: senthilshanmugam87@gmail.com***Educational Qualification**

Institute / University	Degree/Profession	Year(s)	Field of Study
Agricultural College and Research Institute, Killikulam (TNAU, Coimbatore)	BSc	2005-2009	Agriculture
Horticultural College and Research Institute, Coimbatore (TNAU, Coimbatore)	MSc	2009-2011	Horticulture (Fruit Science)
Horticultural College and Research Institute, Coimbatore (TNAU, Coimbatore)	PhD	2011-2014	Fruit Science

Expertise

Research: Nursery management, Plant Propagation & Rootstocks, Crop Management & Crop Regulation in Fruit Crops (Tropical & Subtropical fruits)

Teaching: Fundamentals of Horticulture, Plant Propagation & Nursery Management, Tropical & Arid Zone Fruit Crops, Canopy Management & Organic Horticulture, Dryland Fruit Crops, Subtropical & Temperate Fruit Crops

Academic / Research Positions

2019 - Current	Assistant Professor, Department of Horticulture & Floriculture, CUTN, Tamil Nadu
2018 - 2019	Academic Coordinator, Faculty of Agricultural Sciences, SRM Institute of Science and Technology, Kattankulathur, Chennai (Tamil Nadu)
2018 - 2019	Assistant Professor in Horticulture, Faculty of Agricultural Sciences, SRM Institute of Science and Technology, Kattankulathur, Chennai (Tamil Nadu)
2016 - 2018	Academic Counselor, School of Agricultural Sciences, LPU, Punjab (India)

2015 - 2018	Research Guide for PG Horticulture (Fruit Science), School of Agricultural Sciences, Lovely Professional University, Punjab (India)
2015 - 2018	Assistant Professor in Horticulture, School of Agricultural Sciences, Lovely Professional University, Punjab (India)
2014 - 2015	Academic & Year Coordinator, RVS Padmavathy College of Horticulture, Sempatti, Affiliated to TNAU, Coimbatore (Tamil Nadu)
2014 - 2015	Assistant Professor in Horticulture, RVS Padmavathy College of Horticulture, Sempatti, Affiliated to TNAU, Coimbatore (Tamil Nadu)

Awards / Honors / Academic Merits

2018	Recipient of <i>Excellence in Research Award</i> in 'International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018)' held at Durgapura (Rajasthan), INDIA
2017	Recipient of the <i>Young Scientist in Horticulture Award</i> in 3 rd Annual Research meet organized by Venus International Foundation held at Chennai, INDIA
2017	Recipient of the <i>Young Faculty Award in Agriculture</i> at '5 th Faculty Branding Awards' held at Kolkata, INDIA
2017	Qualified ICAR-NET conducted by ASRB, New Delhi, INDIA
2017	Recipient of <i>Young Scientist Award (Horticulture)</i> by 'Society for Agriculture Innovation and Development' in 'International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security (AAPS-2017)' held at Kathmandu, NEPAL
2017	Recipient of the <i>Young Teacher Award</i> in 'International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security (AAPS-2017) held at Kathmandu, NEPAL
2014	Recipient of <i>2nd Prize Award</i> in Oral Presentation at '2 nd Agricultural Graduate Student Conference' organized by TNAU, Coimbatore, INDIA
2013	Recipient of <i>2nd Prize Award in Horticulture</i> in 'National Level Tamil Science Conference' organized by ICAR at Tamil Arts and Science College, Perur, Coimbatore, INDIA
2013	Recipient of <i>Best Oral Presentation Award</i> in National Seminar on Tropical and Subtropical Fruits held at Navsari Agricultural University, Navsari (Gujarat), INDIA

Publications (Research Articles)

1. **Senthilkumar, S.,** R.M. Vijayakumar, K. Soorianathasundaram and D. Durga Devi. 2018. Impact of Pre-harvest Sprays with Gibberellic Acid on Yield and Economics of Grape (*Vitis vinifera* L.) cv. Italia. *Annals of Biology*, 34(2): 170-175. [NAAS rating: 4.08, Indexed in Scopus]
2. **Senthilkumar, S.,** R.M. Vijayakumar, K. Soorianathasundaram and D. Durga Devi. 2018. Role of CPPU and Application Stages with Other PGR's on Bunch and Berry Characters in New Grape cv. Italia under Tamil Nadu Conditions. *Int.J.Curr.Microbiol.App.Sci.*, 7(04): 353-358. [NAAS: 5.38]
3. **Senthilkumar, S.,** N. Kumar, K. Soorianathasundaram and K. Arun Kumar. 2016. Grafted papayas: a boon for dioecious papaya industry. *Current Science*, 111(8): 1287-1288. [NAAS rating: 6.93, Indexed in Scopus]
4. **Senthilkumar, S.,** N. Kumar and K. Soorianathasundaram. 2016. Influence of season on graft compatibility in papaya cvs. Co.2 and 9-1(D). *The EcSCAN, Special issue, Vol. IX:* 415-419. [NAAS rating: 5.06]
5. **Senthilkumar, S.,** R.M. Vijayakumar and K. Soorianathasundaram. 2016. Influence of pruning severity on quality attributes in berries of grape cv. Italia. *Journal of Chemical and Pharmaceutical Sciences*, 9(4): 2890-2894.
6. **Senthilkumar, S.,** N. Kumar, K. Soorianathasundaram and P. Jeyakumar. 2016. A Histological Investigation on Graft Formation in Papaya (*Carica papaya* L.). *Eco. Env. & Cons.*, 22(December Suppl.): 69-72. [NAAS rating: 5.02, Indexed in Scopus]
7. **Senthilkumar, S.,** N. Kumar, K. Soorianathasundaram and P. Jeyakumar. 2015. Effect of GA₃ and 6-Benzyl Adenine in Production of Scions for Grafting in Papaya Cv. 9-1(D). *Eco. Env. & Cons.*, 21(2): 939-941. [NAAS rating: 5.02, Indexed in Scopus]
8. **Senthilkumar, S.,** N. Kumar, K. Soorianathasundaram and P. Jeyakumar. 2014. Effect of plant bioregulators in induction of lateral shoots in papaya cv. CO2. *Plant Archives*, 14(2): 707-710. [NAAS rating: 3.05, Indexed in Scopus]
9. **Senthilkumar, S.** and R.M. Vijayakumar. 2014. Influence of Pruning Severity on Phenology, Physiological Characters and Yield Attributes in Grape (*Vitis vinifera* L.) cv. Italia. *Trends in Biosciences*, 7(13): 1452 - 1457. [NAAS rating: 2.74]
10. **Senthilkumar, S.** and R.M. Vijayakumar. 2014. Petiole Nutrient Status, Yield and Quality of Grape (*Vitis vinifera* L.) cv. Italia as Influenced by Pruning Levels. *Trends in Biosciences*, 7(12): 1249 - 1253. [NAAS rating: 2.74]
11. **Senthilkumar, S.** and N. Kumar. 2014. Comparative Performance of Papaya Grafts and Seedlings on Growth and Leaf Gas-Exchange Activity Under Field Condition. *Trends in Biosciences*, 7(10): 942 - 945. [NAAS rating: 2.74]

Review Articles

1. **Senthilkumar, S.**, R.M. Vijayakumar and K. Soorianathasundaram. 2018. Pre-harvest implications and utility of plant bioregulators on grape: A review. *Plant Archives*, 18(1): 19-27. [NAAS: 4.41, (Scopus) SJR rating: 0.16]
2. Rupinder Singh, **S. Senthilkumar** and Shailesh Kumar Singh. 2018. Role of Packaging on Shelf Life and Quality of Kinnow – A Review. *Journal of Pure and Applied Microbiology*, 12(2): 725-731.
3. Anis Ahmed Mirza, **S. Senthilkumar** and Shailesh Kumar Singh. 2016. A review on trends and approaches in post harvest handling of pineapple. *Journal of Chemical and Pharmaceutical Sciences*, 9(4): 2885-2889.
4. **Senthilkumar, S.**, R.M. Vijayakumar, and S. Kumar. 2015. Advances in precooling techniques and their implications in horticulture sector: A Review. *International Journal of Environmental and Agriculture Research*, 1(1): 24-30.
5. **Senthilkumar, S.**, R.M. Vijayakumar, K. Soorianathasundaram and D. Durga Devi. 2015. Effect of pruning severity on vegetative, physiological yield and quality attributes in grape (*Vitis vinifera* L.)- A Review. *Current Agriculture Research Journal*, 3(1): 42-54.
6. **Senthilkumar, S.**, N. Kumar, K. Soorianathasundaram and P. Jeyakumar. 2014. Aspects of asexual propagation in papaya (*Carica papaya* L.) – a review. *Agri. Review*, 35(4): 307-313. (NAAS rating: 3.31)
7. **Senthilkumar, S.** and R.M. Vijayakumar. 2014. Advances in Post Harvest Handling of Grapes: A Review. *Trends in Biosciences*, 7(13): 2349 - 2352. (NAAS rating: 2.74)
8. **Senthilkumar, S.** and R.M. Vijayakumar. 2014. Biochemical, Physiological and Horticultural Perspectives of Fruit Colour Pigmentation: A Review. *Research and Reviews: J of Agri. and Allied Sci.*, 3(1): 9-16.

Book Chapters

Name of the Book	ISBN No.	Title of the Chapter	Year	Publisher
Sustainable Horticulture, Volume 1: Diversity, Production, and Crop Improvement	9781315147994	Impact of Various Pruning Levels on Petiole Nutrient Status, Physiology, Yield and Quality of Grape (<i>Vitis vinifera</i> L.) cv. Italia	2018	Apple Academic Press CRC (Taylor & Francis Group)
Recent trends in cocoa production	978-93-80819-09-9	Integrated Nutrient Management in Cocoa	2015	Think Refill, Nagercoil
Thottakkalaiyiyal (Tamil)	978-93-87702-58-9	Pappaliyil Ottukkattum Tholilnutpam - Oru Aayvu	2013	Thannambikkai

Book of Abstracts

1. **Senthilkumar, S.,** R.M. Vijayakumar, K. Soorianathasundaram and D. Durga Devi. 2017. 'Impact of gibberellic acid and stage of application on berry development, yield and quality of grape (*Vitis vinifera* L.) cv. Italia' in '*International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security*' at Kathmandu (Nepal) [ISBN No. 978-93-84113-41-4]
2. **Senthilkumar, S.,** R.M. Vijayakumar, K. Soorianathasundaram and D. Durga Devi. 2016. Impact of various pruning levels on petiole nutrient status, physiology, yield and quality of grape (*Vitis vinifera* L.) cv. Italia. *International Symposium on Sustainable Horticulture*, Mizorum University, Aizawl (Mizorum) [ISBN No. 978-93-85777-36-3]
3. **Senthilkumar, S.,** Anis Ahmed Mirza, Shailesh Kumar Singh and Madhu Sharma. 2016. Impact of Recent Techniques in Post Harvest Handling of Grape. *National Conference on Food Processing and Technology*, Shoolini University, Solan (Himachal Pradesh) [ISBN No. 978-93-82068-754]

Membership in Scientific Bodies

Name of the Society	Type of membership
Society for Advancement of Science and Rural Development	Life member
Society for Agriculture Innovation & Development	Life member

Trainings / Workshops / Camps Attended

Details	National / International	Month & Year
'How to write and publish scientific articles and manuscripts' conducted by SPRINGER NATURE	National	April, 2018
'Microbial Detection and Disease Diagnostics Using Real Time PCR' conducted by HRDC, LPU in collaboration with Fisher scientific	National	February 2018
'Entrepreneurial Skill Development Training on value addition and Export Promotion of Jasmine' conducted under NAIP PROJECT	National	May 2014
NAIP-AGRI BUSINESS IDOL CAMP	National	May, 2014

Positions in Scientific Journals

Name of the Journal	Position
Fruits (Indexed in Scopus and Thompson Reuters)	Reviewer
Current Science (Indexed in Scopus and Thompson Reuters)	Reviewer
International Journal of Agriculture Sciences	Reviewer
African Journal of Agricultural Research (Indexed in Scopus)	Reviewer

International Exposure

Name of the Symposium / Conference & Purpose	Country
International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security (PhD Research paper oral presentation)	Kathmandu (NEPAL)
5 th International Symposium on Tropical and Subtropical Fruits (PG Research paper oral presentation)	Guangzhou (CHINA)

Syllabus and Course Planner (PG Horticulture in Fruit Science)

1. AGR519 – Protected Cultivation and Organic Horticulture
2. HRT501 – Tropical and Dryland Fruit Production
3. HRT502 – Tropical and Dryland Fruit Production Laboratory
4. HRT521 – Subtropical and Temperate Fruit Production
5. HRT522 – Subtropical and Temperate Fruit Production Laboratory

Supervision (PG Horticulture in Fruit Science)

S.No.	Name & Institute	Title of Thesis / Dissertation	Duration	Status
1	Pardeep Singh Reg. No.: 11615293 LPU, Punjab	Studies on various pre-harvest sprays on growth, bunch development and yield of banana cv. Grand Naine under Punjab conditions	2017-2018	Awarded

2	Sachin Mathew Reg. No.: 11617708 LPU, Punjab	Influence of certain nutrient management practices on phenology, bunch characters and yield in banana cv. Grand Naine	2017-2018	Awarded
3	Kuldeep Singh Reg. No.: 11615292 LPU, Punjab	Studies on rootstock and identification of elite commercial mango graft combination for Punjab conditions	2017-2018	Awarded
4	Rupinder Singh Reg. No.: 11510881 LPU, Punjab	Studies on various packaging materials on fruit quality and shelf life of Kinnow	2016-2017	Awarded
5	Amanjot Singh Reg. No.: 11407478 LPU, Punjab	Effect of mulching and planting density on yield and quality of strawberry (<i>Fragaria</i> × <i>ananassa</i> Duch.) cv. Winter Dawn under sub-tropical conditions of Punjab	2015-2016	Awarded

Seminars / Conferences / Symposia

1. Participated and presented oral paper on 'Impact of environment and role of various biofertilizers over field cultivated banana cv. Grand Naine under subtropical regions of Punjab' in '*International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2018)*' organized by ASTA foundation, Meerut (Uttar Pradesh) at Durgapura, **Jaipur** (Rajasthan) during 28-30 October 2018
2. Participated and presented oral paper on 'Impact of gibberellic acid and stage of application on berry development, yield and quality of grape (*Vitis vinifera* L.) cv. Italia' in '*International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security (AAPS-2017)*' organized by SAID at **Kathmandu** (Nepal) during on 13-15th May, 2017
3. Participated and presented oral paper on 'Impact of various pruning levels on petiole nutrient status, physiology, yield and quality of grape (*Vitis vinifera* L.) cv. Italia' in '*International Symposium on Sustainable Horticulture, Aizawl (Mizorum)*' organized by **Mizorum** University, Aizawl, during 14th-16th March, 2016
4. Participated and presented poster presentation on 'Effect of Various Pruning Levels on Growth, Yield and Quality Traits in Grape cv. Italia' in '*6th Indian Horticulture Congress*' organized by Horticultural Society of India, New Delhi with TNAU, **Coimbatore** (Tamil Nadu), India during 6-9th November, 2014
5. Participated and presented oral paper on 'Induction of laterals with PGR's for grafting in papaya cv. 9-1(D)' in '*2nd Agricultural Graduate Student Conference*' organized by TNAU, **Coimbatore** (Tamil Nadu), India during 6th May, 2014

6. Participated and presented oral paper on 'Pappaliyil Ottukkattum Tholilnutpam: Oru Aaiyvu' (Tamil) in '*National Level Tamil Science Conference*' organized by ICAR at Tamil Arts and Science College, Perur, **Coimbatore** (Tamil Nadu), India during 10th February, 2013
7. Participated and presented oral paper on 'A histological investigation on graft formation in papaya (*Carica papaya* L.)' in '*National Seminar on Tropical and Subtropical Fruits*', Navsari Agrl. Univ. **Gujarat**, during 11th January, 2013
8. Participated and presented oral paper on 'Studies on grafting techniques in papaya (*Carica papaya* L.)' in '*5th International Symposium on Tropical and Subtropical Fruits*', **Guangzhou** (China) from 18-20th, June 2012

Dr. Senthilkumar Shanmugasundram

Place: Thiruvapur