

S.No.	Title of the Invited Talk	Year	Details
1	R. Manimekalai. R. Current diagnostic methods of root (wilt) disease of coconut in India	2009	Collaborative workshop on “Weligama coconut leaf wilt disease management in Sri Lanka” during 9 – 12, Nov, 2009 at Sri Lanka.
2	R. Manimekalai. Web tool and database on <i>in silico</i> approaches in phytoplasma.” and “Plant resistant gene database	2009	National workshop on “Information Technology Applications in Horticultural crops during 24-25, Aug 2009. Central Potato Research Institute (CPRI), Shimla, Himachal Pradesh, India
3	R. Manimekalai. Systems Biology for Plantation crops.	2009	National seminar on Bioinformatics” on 24-2-09 conducted at Dept of Bioinformatics, Bharathidasan University, Tamil Nadu
4	Manimekalai. R. Development of bioinformatics tools and resources for coconut research	2010	International conference on Coconut Biodiversity for prosperity, held at Central Plantation Crops Research Institute, during 24-28, October 2010, Kasaragod, India
5	R. Manimekalai. R. Bioinformatics approaches in banana improvement – Analysis of Expressed sequence tags.	2010	Global conference on Banana. Global Banana conference, Dec 10-13, 2010, NRC Banana, Thiruchiarapally, Tamil Nadu
6	R. Manimekalai. Bioinformatics approaches – <i>In silico</i> analysis of lauric acid for elucidating the antiviral activity	2010.	World Noni Conference. World Noni foundation, Chennai, Noni foundation, Chennai, India. October 10 – 13, 2010. India
7	R. Manimekalai. Phytoplasma diseases of Horticultural crops, development of diagnostics, uses and future thrusts	2010.	National Consultative meeting on Disease Diagnostics for Horticulture crops held during Jan 22-24, 2010, National Research Centre for Banana, Thiruchirapalli, Tamil Nadu
8	R. Manimekalai. Diagnosis of phytoplasma in commercially important horticultural crops	2010	National Symposium on Conservation Horticulture, GB Agricultural University, Uttarakhand at Dehradun during 21-23 March, 2010
9	R. Manimekalai. Present status of Phytoplasmal disease diagnostics of horticultural crops.	2010.	National Seminar on Production of quality planting material and seeds in horticultural crops during March 11-14, 2010 at New Delhi.
10	Manimekalai, R. Concept in genome sequencing in coconut.	2011	Plant and Animal genome conference XIX held at san Diego, California, during Jan 16-20, 2011. USA
11	Manimekalai, R. Current status of molecular aspects coconut root wilt research.	2011	FAO sponsored Consultative workshop held at Sri Lanka during June 15-17, 2011.
12	Manimekalai, R. Molecular approaches for phytoplasma diseases in palms.	2012.	AICRP meeting held during 11-7-12 to 13-7-12.at Tamil Nadu Agricultural College and Research Institute, Madurai, Tamil Nadu
13	R. Manimekalai.	2012	Global Conference on "Horticulture for Food,

	Nanotechnology for enhancing efficiency of diagnostics in horticulture crops		Nutrition and Livelihood Options" held at Orissa University of Agriculture and Technology, during May 28-31 2012.pp.174-175. Bhubaneswar, India
14	Manimekalai, R. Genome analysis in palms and phytoplasmas.	2013	National seminar on "Applications of Bioinformatics in Agriculture" held at Central Plantation Crops Research Institute, Kasaragod Nov 11-12, 2013. Kerala
15	R. Manimekalai. Genomics of phytoplasmas	2013	National symposium on Pathogenomics. Organized by Indian Society of Phytopathology and Central Tuber Crops Research Institute, held during Oct 24-24, 2013., Trivandrum
16	R. Manimekalai. Diagnostics and Management of Phytoplasma – A perspective to meet the challenges	2016	Plant mollicutes: challenges in research. International Conference on "Plant, Pathogens and People" with mission "Challenges in Plant Pathology to benefit human kind "during February 23-27, 2016 at NASC Complex, New Delhi. Page No. 164-165
17	R. Manimekalai. Transcriptomics for crop Improvement.	2016	Smt Rewati Singh Memorial lecture on biotechnology. The lecture was delivered during Global Agriculture and Innovation Conference-2016, organized during 27-29 November, 2016 at Noida University, Noida, UP.
18	R. Manimekalai. Transcriptomics to unravel functional markers for crop improvement"	2016.	International Symposium on biological sciences - "genomics & bioinformatics during 13-15, Nov, 2016 at United Arab Emirates University, UAE.
19	R. Manimekalai. "Plant genome sequencing through NGS"	2018.	National Seminar cum Workshop on "Innovations and implementation of modern technologies in Agriculture & Horticulture," held at Department of Biotechnology, Selvamm Arts and Science College, Tamilnadu during 22-24, November, 2018, Namakkal, Tamil Nadu
20	R. Manimekalai. Next Generation Sequencing and Genomic selection for the improvement of sugarcane	2019	International conference - Sugarcon - 2019. Green Technologies for sustainable development of sugar and Integrated industries during Feb 16-19, 2019 held at ICAR- Indian Institute of Sugarcane Research, Lucknow, UP
21	R. Manimekalai. Applications of Next Generation Sequencing Technologies for Crop Improvement.	2019.	National Conference on Futuristic intricate stratagems in computational Genomics (CGEN) held at Department of Bioinformatics, Nirmala College for Women, during 24-25, January, 2019, Coimbatore,

			Tamil Nadu
22	R. Manimekalai. Phytoplasma – Diagnosis, Genomics and plant metabolic interactions.	2019.	International Conference cum workshop on Human, Animal and Plant Mycoplasmas, Held during December 02 to 05, 2019, at National Centre for Microbial Resource (NCMR) National Centre for Cell Science (NCCS), Pune, India
23	R. Manimekalai. Quantification of phytoplasma using qPCR.	2019	National Workshop on Phytoplasma Detection and Taxonomy. National Centre for Microbial Resource (NCMR) National Centre for Cell Science (NCCS), on 5 th Dec., 2019. Pune, India
24	R. Manimekalai. Phytoplasma detection in plant hosts using end-point PCR.		
25	R. Manimekalai Role of NGS for the crop Improvement programmes	2019	National Hands on training on recent advances in bioinformatics held at Government College of technology, Coimbatore during 16-09-2019 to 17-09-2019. Tamil Nadu
26	R. Manimekalai. Role of NGS in crop improvement	2020	Webinar presented to students and faculties of Sri Ramakrishna College, Coimbatore. Webinar Lecture: on 7 th May 2020. Online
27	R. Manimekalai. Genomics selection tools for crop and livestock improvement	2021	The Training and Learning (ATAL) was held at the Department of Bioinformatics, Bharathiar University, Coimbatore, on during 22-11-2021 to 26-11-2021. Presented the invited lecture on 24-11-2021. Tamil Nadu
28	R. Manimekalai. - Molecular tools for pathogen diagnosis and plant health management	2022	National conference on Enhancing Competitiveness of Horticulture through Technology Innovations,' November 17-18, 2022, at ICAR-CPCRI, Kasaragod, Kerala
29	R. Manimekalai- Advances in sugarcane breeding through genomic selection and targeted genome modification - Opportunities and challenges	2022	International Conference – Sugarcon – 2022 at IISR, Lucknow, organized during Oct 16 – 19, at IISR, Lucknow
30	R. Manimekalai. Flowering genes in sugarcane Optimization of multiplex sgRNA/Cas9 cloning cassette gene editing	2023	International conference on food and nutritional security (iFANS-2023). National Agri-Food Biotechnology Institute (NABI) held during 6-9, Jan 2023. Mohali-140306, Punjab, India