

Session 1: Auditorium:

Dr. Pitayakon Limtong & Dr. Somchai Anusontpornperm (10 papers)

1) Agricultural Production		
09.30 – 10.00	1. Study the Factors of Decision to Grow Vetiver Grass Among Farmers in the Northern and Northeastern Regions.	Isariya Meesing Research and Development for Land Management Division, Land Development Department, Bangkok
10.00 – 10.30	2. Qualitative Evaluation of Nutritive Components of Vetiver Foliage	Vimala Yerramilli
10.30 – 10.45	COFFEE BREAK	
10.45 - 11.15	3. Vetiver Grass: A Solution to Solving Soil Erosion Problems in Agricultural Areas of Thailand and How to Establish in Farmers' Field	Somchai Anusontpornperm Department of Soil Science, Faculty of Agriculture, Kasetsart University, Bangkok Thailand
11.15 – 11.45**	4. <u>The Use of Vetiver to Raise River Banks Efficiently and Economically (Province of Latina, Italy)</u>	<u>Benito Castorina</u>
11.45 – 13.00.	LUNCH	
13.00 – 13.30	5. Plant Nutrition Aspects of the Aneityum Erosion Control Project	Don Miller, David Price
2) Soil and Water Conservation Attributes		
13.30 – 14.00	6. Application of Vetiver Grass for Highland Environmentally Friendly Agricultural Development Planning, Nan Province	Naphachart Karnthavong, Arnat Thikhwan, Chawalit Sutthakhet, Moon Nonil and Pedcharada Yusuk , Thailand
14.00 – 14.30**	7. <u>According to the Department of Agricultural Extension's Master Plan for the Development and Campaign on the Use of Vetiver Grasses from the Royal Initiative No. 6 (2017-2022), Vetiver Grasses Growing is Encouraged to Conserve Soil and Water in Agricultural Areas on the Highlands.</u>	<u>Krisda Buanaka</u> <u>Department of Agricultural Extension, MOAC, Thailand</u>
14.30 – 14.45	COFFEE BREAK	
14.45 – 15.15	8. Ploidy Mediated Changes in Structural and Skeletal Components of Cell Geometry at Two Ploidy Levels in <i>Chrysopogon zizanioides</i> .	Madhavi Singh, Seshu Lavania, Yerramilli Vimala and Umesh India
15.15 – 15.45	9. VETITECH: Using Vetiver to Fight Against Soil Erosion in Tropical Zones in a Sustainable Way	Lucas BONNIE
15.45 – 16.15	10. Vetiver in Guatemala: 15 Years Research and Development	Leonel Castro

Session 2: Sukhothai 1:

Dr. Weerachai Na Nakorn (10 papers)

1) Environmental Protection		
09.30 – 10.00	1. Vetiver Grass Ecosystem Service Model	Dr. Umesh Chandra LavaniaLavaniauc@yahoo.co.in
10.00 – 10.30	2. Research on Usage of Vetiver Grass for Phytoremediation & Sediment Control for the San Antonio River Authority in Converse, San Antonio, TX, USA	Roley Nöffke and Rob
10.30 – 10.45	COFFEE BREAK	
10.45 – 11.15	3. Research on potential use of vetiver grass for biomass/biofuel and phytoremediation characteristics for dryland applications at Florence, South Carolina, USA	Roley Noffke
11.15 – 11.45	4. Potential application of vetiver phytoremediation technology to alleviate high nutrient discharges from new zealand dairy farms	Negisa Darajeh and Paul Truong
11.45 – 13.00	LUNCH	
13.00 – 13.30	5. Phytoremediation of Contaminated Land Using Vetiver grass in Bangladesh Perspective	Mohammad Shariful Islam Bangladesh
2) Control and Treatment / Restoration and Rehabilitation of Disturbed and Contaminated Areas		
13.30 – 14.00	6. Vetiver-Enhanced Microbial Fuel Cell for Household Wastewater Treatment, Electricity Generation, and CO ₂ Sequestration	Tanapon Phenrat, Jesada Lawan, Siriwan Wichai, Choopong Chuaypen, and Saranporn Kirdkoh
14.00 – 14.30	7. Applications of Vetiver System technology for Lake Shore Protection in Brazil	Paula Leao Pereira and Aloisio Rodrigues Pereira Belo Horizonte, Minas Gerais, Brazil
14.30 – 14.45	COFFEE BREAK	
14.45 – 15.15	8. Vetiver for reclamation, the characterization of polluted land and the production of energy	Prof. Benito Castorina via savuto 38, 04011, Aprilia Italia bcastorina@gmail.com
15.15 – 15.45	9. Pollutant Removal Using Vetiver Grass and Generation of Biofuel and Biochar from Spent Biomass: A Circular Economy Model	Viravid Na Nagara, Zhiming Zhang, Hadeer Saleh, Sameer Neve, Rupali Datta, Paul Truong, Dibyendu Sarkar1
15.45 – 16.15	10. Application of Vetiver Grass in the Treatment of Lead-Contaminated Community Garden Soil	Roley Noffke

Session 3: Sukhothai 2:

Dr. Vidhaya Trelo-ges (9 papers)

1) Infrastructure Protection		
09.30 – 10.00	1. Vetiver System with Engineering Enhancement for Slope and Coastal Stabilization	Apiniti Jotisankasa, Krairoj Mahannopkul, P. Chaisri, K. Warnset, K. Kittiwatsonon, A. Sukpunya, D. Taworn, Teerapat Sirirattanachat and N. Hunsachainan
10.00 – 10.30	2. Root architecture, root biomechanical properties and root reinforcement of two contrasting vetiver species for slope stabilization	Suched Likitlersuang and Trung Nghia Phan
10.30 – 10.45	COFFEE BREAK	
10.45 – 11.15	3. Evaluation of Vetiver Root Behavior According to Age	Paula Leao Pereira and Aloisio Rodrigues Pereira Deflor Bioengenharia Belo Horizonte, Minas Gerais, Brazil
11.15 – 11.45	4. Vetiver system technology applications for highway slope protection along the Kiunga-Tabubil highway – Papua New Guinea	Robinson Vanoh
11.45 – 13.00	LUNCH	
2) Alternative Uses and Socio-economic Values of Vetiver		
13.00 – 13.30	5. Vetiver for the welfare & Happiness of the people	Dumrassiri Thiramgom
13.30 – 14.00	6. Sufficiency Economy-Based Mango Added Value Through Vetiver Grass Cultivation of Smallholder Farming	Kallaya Suntornvongsagul Risk and Disaster Management Program, Graduate School, and Environmental Research Institute of Chulalongkorn University
14.00 – 14.30	7. Vetiver Innovation: Crafting of the University to Tambon (U2T) Project at Saraburi Province	Noppadon Kitana Center of Learning Network for the Region, Chulalongkorn University, 254 Phayathai Road, Pathumwan, Bangkok
14.30 – 14.45	COFFEE BREAK	
14.45 – 15.15	8. H.M The King's Dental Service Unit: Study of the effectiveness of vetiver extracts for disinfectants to prevent tooth decay and periodontal disease	Assoc. Prof. Sornkanok Vimolmangkang, Ph.D., Faculty of Pharmaceutical Science, Chulalongkorn University, Asst. Prof. Paiboon Jitprasertwong, Ph.D., Institute of Dentistry, Suranaree University of Technology, Dental Innovation Foundation under Royal Patronage
15.15 – 15.45	9. Emerging Trends and Opportunities of Vetiver in India	Ashok Kumar C. K. and Mahato B. First World Community, Tamilnadu, India

Session 4: Sukhothai 3:
Dr. Piya Chalermglin (9 papers)

1) Training and Technology Dissemination		
09.30 – 10.00	1. Vetiver System Dissemination in Myanmar	Than Than Sein
10.00 – 10.30	2. Promoting and Dissemination of Information about Vetiver System Technology Applications across The South Pacific Islands	Robinson Vanoh
10.30 – 10.45.	COFFEE BREAK	
10.45 – 11.15	3. How to facilitate faster uptake/acceptance of the VS technology	Catherine Carbajal 24 Tahiri Road, Ostend, Auckland, 1081
11.15 – 11.45	4. Local Lover Project	Wiphawanee Suriyan Lahansairatchadapisek School, Burirum Province, Thailand
11.45 – 13.00	LUNCH	
2) Other Topics/ Experience Sharing		
13.00 – 13.30	5. Vetiver System (VS): An Option to Consider in the Achievement of the 2030 Sustainable Development Goals of the United Nations Organization (VDO)	Rafael Luque Mirabal
13.30 – 14.00	6. Networking for Long Term National Vetiver System Development in China	Liyong Xu and Liyu Xu (Presented by Prof. Wenyu Hu)
14.00 – 14.30	7. Participation of Asian Graduate Students for Geo-information Project-based Learning: Designing Analysis Framework of Degraded Areas for Implementing Vetiver Grass to Support Restoration	Yaowaret Jantakat, Pongpun Juntakut, Pradeep Kumar Shresth, Chomphak Jantakat and Vaneeporn Srisaal Rajamangala University of Technology Isan, Nakhon Ratchasima, Thailand
14.30 – 14.45	COFFEE BREAK	
14.45 – 15.15	8. Ritthiyawannalai 2: Inheriting His Majesty's Philosophy to Sustainable Development According to the Sustainable Development Goals (SDGs) To Develop the water ecosystem area in the school	Rungrod Dachachuy Ritthiyawannalai 2 School, Bangkok, Thailand
15.15 – 15.45	9. From Plant Nursery to Furthering the General Welfare: Tabaco City's Use of Vetiver as a Means of Promoting Health, Safety, and Self-Reliance among its Citizens	Marco Stefan B. Lagman, Melchora V. Abonal Central Bicol State University of Agriculture, the Philippines