Research Articles

The Development of Blood Stain Removal Solution from Spinach in Longer Storage at Room Temperature for Sanitation Work in Hospitals
Nalin-on Naiploy ................................................................. 1

Estimation of Atmospheric Precipitable Water in Thailand using an Artificial Neural Network
Sumaman Buntoong, Jindarat Pariyothan and Patsakorn Detkham .................................................. 11

A Proposed Model of Community Environmental Education Program Development
Lawan Wijarn ................................................................. 21

Effects of Different Nitrogen Forms on Growth, Phenolic Content, and Antioxidant Activity in Hedychium speciosum and H. coronarium
Janjira Muenrew, Ratchaporn Sukathan, Rachadwan Puangpradah, Apinya Rachkeeree and Kuttiga Kantadoung ................................................................. 33

Anti–Obesity of Dried Mulberry Fruit Powder in Mice Fed with High–Fat Diet
Usana Chattroong, Suriya Chaiwong, Watcharakorn Deetud, Kittiwoot To-on, Supaporn Pantheramunak, Ekarin Chuleekorn, Rachanee Chanasong, Tanwarat Kajsongkram, Veerada Raksanoh, Kroekkiat Chinda, Phenpechaya Nadee and Krongkarn Chootip .................................................. 43

Preparation and Characterization of Bimetallic Cu–Ni and/or Ni–Cu core–shell Nanoparticles with High Photocatalytic Activity
Rarm Phinjaroenphan, Kornkanok Boonserm and Surachet Rattanasuporn ................................................................. 54

Structure and Diversity in a Permanent Plot of Melaleuca forest in Rayong Botanical Garden, Thailand
Janjira Muenrew and Prateep Panyadee ................................................................. 64

Prevalence and Characteristics of Dental Anomalies in Pediatric Patients at a Dental Hospital in Thailand
Rudee Sakulratchata, Sasita Wongma, Sita Saenmood, Thunyanut Rianpangwang and Sasicha Chioshanangkun ......................... 73

Evaluation on Efficacy of Piper nigrum as a bio–pesticide against Sitophilus zeamais
Sangay Choden, Ugyen Yangchen and Jigme Tenzin ................................................................. 84

Exchange–field–controllable 0–It transition in asymmetric Josephson spin–valve heterostructure
Wachiraporn Choopan ................................................................. 96