

LIST OF PUBLICATIONS 2014

School of Energy, Environment and Material, KMUTT

Annual Report for Year 2014, (Update 26 November 2015)

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INTERNATIONAL JOURNALS

1. Apisit Kositchaiyong, Vichai Rosarpitak, Hiroyuki Hamada, and Narongrit Sombatsompop, 2014, "Anti-Fungal Performance and Mechanical - Morphological Properties of Pvc and Wood/Pvc Composites under Uv - Weathering Aging and Soil Burial Exposure", *International Biodeterioration and Biodegradation*, [JIF2014 : 2.131], Vol. 91, No., Apr, 2014, pp. 128-137.
2. Apisit Kositchaiyong, Vichai Rosarpitak, and Narongrit Sombatsompop, 2014, "Anti-Fungal Properties and Material Characteristics of Pvc and Wood/Pvc Composites Doped with Carbamate - Based Fungicides ", *Polymer Engineering and Science*, [JIF2014 = 1.520], Vol. 54, No. 6, 2014, pp. 1248-1259.
3. Buntoon Wiengmoon, Krissanapong Kirtikara, Chaya Jivacate, Dhirayut Chenvidhya, and Roongrojana Songprakorp, 2014, "Quantifying the Uniformity of Solar Cells Using Thermal Imaging Diagnosis", *Applied Thermal Engineering*, [JIF2014 : 2.739], Vol. 70, No. 1, 2014, pp. 350-360.
4. Chaiwat Rattanamechaiskul, Somchart Soponronnarit, and Somkiat Prachayawarakorn, 2014, "Glycemic Response to Brown Rice Treated by Different Drying Media", *Journal of Food Engineering*, [JIF2014 : 2.771], Vol. 122, No., 2014, pp. 48-55.
5. Chalida Niamnuay, Sakamon Devahastin, and Somchart Soponronnarit, 2014, "Some Recent Advances in Microstructural Modification and Monitoring of Foods During Drying : A Review", *Journal of Food Engineering*, [JIF2014 : 2.771], Vol. 123, No., Feb,2014, pp. 148 - 156.
6. Chana Prapruedivongs, Narongrit Sombatsompop, and Krishnan Jayaraman, 2014, "Effect of Organoclay Incorporation on Mechanical, Barrier and Thermal Properties and Anti-Bacterial Performance of Pla and Pla Composites with Triclosan and Wood Flour", *Polymer and Polymer Composites*, [JIF2014 : 0.271], Vol. 22, No. 7, 2014, pp. 643-652.
7. Chanakarn Piewnuan, Jatuphorn Wootthikanokkhan, Pailin Ngaotranwiwat, Vissanu Meeyoo, and Siriluk Chiarakorn, 2014, "Preparation of $TiO_2/(TiO_2-V_2O_5)$ Polypyrrole Nanocomposites and a

- Study on Catalytic Activities of the Hybrid Materials under Uv/Visible Light and in the Dark**", *Superlattices and Microstructures*, [JIF2014 : 2.097], Vol. 75, No., 2014, pp. 105 - 117.
8. Charoenporn Lertsatitthanakorn, Somchart Soponronnarit, Jindaporn Jamradloedluk, Monthana Rungsiyopas, and Rangsit Sarachitti, 2014, "**Performance Study of Thermoelectric Solar-Assisted Heat Pump with Reflectors**", *Journal of Electronic Materials*, [JIF2014 : 1.798], Vol. 43, No. 6, 2014, pp. 2040-2046.
 9. Charoenporn Lertsatitthanakorn, Wittawat Tipsaenprom, and Monthana Rungsiyopas, 2014, "**Improvement of Cooling Performance of a Thermoelectric Air Cooling System Using a Vapor Chamber Heat Sink**", *Journal of Electronic Materials*, [JIF2014 : 1.798], Vol. 43, No. 6, 2014, pp. 1554-1559.
 10. Chutima Watthusinthu and Siriluk Chiarakorn, 2014, "**Assessment of Hydrofluorocarbon Emission Factors from Air Conditioning in Thailand**", *TMC Academic Journal*, Vol. 8, No. 2, 2014, pp. 27-35.
 11. Jaruwat Jareanjit, Piya Siangsukone, Kanda Wongwailikhit, and Jirawan Tiansuwan, 2014, "**Development of a Mathematical Model and Simulation of Mass Transfer of Solar Ethanol Distillation in Modified Brewery Tank**", *Applied Thermal Engineering*, [JIF2014 : 2.739], Vol. 73, No. 1, 2014, pp. 721-729.
 12. Kan Khoomsab, Pojanie Khummongkol, and Kazuhide Matsuda, 2014, "**Trends in Sulfate Dry Deposition over Mixed Dipterocarp Forest in Thailand Using Relaxed Eddy Accumulation Method**", *Sains Malaysia*, [JIF2014 : 0.033], Vol. 43, No. 3, 2014, pp. 369-375.
 13. Kiatkajohn Worapradya and Purit Thanakijkasem, 2014, "**Optimising Steel Production Schedules Via a Hierarchical Genetic Algorithm**", *South African Journal of Industrial Engineering*, [JIF2014: 0.061], Vol. 25, No. 2, Aug, 2014, pp. 209-221.
 14. Kitipong Tangphant, Kaokanya Sudaprasert, and Suthin Channarong, 2014, "**Mathematical Modeling of Electrical Conductivity in Electrolyte Solution between Two Gas-Evolving Electrodes**", *Russian Journal of Electrochemistry*, [JIF2014 : 0.762], Vol. 50, No. 3, 2014, pp. 253-259.
 15. Kittiwoot Sutthivirode, Naris Pratinthong, Pichai Namprakai, Natthaphon Roonprasang, and Taveewat Suparos, 2014, "**Waste Heat Water Pumping Model with Direct Contact Cooling**", *Journal of Central South University*, [JIF2014 : 0.520], Vol. 21, No. 10, Oct, 2014, pp. 3896-3910.
 16. Krit Trashoo, Sirichai Thepa, Ratanachai Pairintra, and Pichai Namprakai, 2014, "**Reducing the Air Temperature inside the Simple Structure Greenhouse Using Roof Angle Variation**", *Tarim Bilimleri Dergisi - Journal of Agricultural Sciences*, [JIF2014 : 0.375], Vol. 20, No. 2, 2014, pp. 136-151.

17. Kulnida Taptim, Ali Ansarifar, and Narongrit Sombatsompop, 2014, "Effect of Organoclay and Silver-Substituted Zeolite on the Mechanical and Antibacterial Properties of a Silicone Rubber Filled with 2-Hydroxypropyl-3-Piperazinyl-Quinoline Carboxylic Acid Methacrylate", *Polymer Engineering and Science*, [JIF2014 : 1.520], Vol. 54, No. 4, April, 2014, pp. 932-941.
18. Kulnida Taptim and Narongrit Sombatsompop, 2014, "Effect of Uv Weathering on Mechanical and Anti-Bacterial Performances for Peroxide-Cured Silicone Rubber Containing Biocide Hpqm", *Journal of Vinyl & Additive Technology*, [JIF2014 : 0.859], Vol. 20, No. 1, March, 2014, pp. 49-56.
19. Maturada Jinorose, Somkiat Prachayawarakorn, and Somchart Soponronnarit, 2014, "A Novel Image-Analysis Based Approach to Evaluate Some Physicochemical and Cooking Properties of Rice Kernels", *Journal of Food Engineering*, [JIF2014 : 2.771], Vol. 124, No., March ,2014, pp. 184 -190.
20. Naprarath Waijarean, Suwimol Asavapisit, and Kwannate Sombatsompop, 2014, "Strength and Microstructure of Water Treatment Residue-Based Geopolymers Containing Heavy Metals", *Construction and Building Materials*, [JIF2014 : 2.296], Vol. 50, No., 2014, pp. 486-491.
21. Narumon Seeponkai, Jatuphorn Wootthikanokkhan, Chanchana Thanachayanont, Sombat Thanawan, Siriwat Radabutra, and Surawut Chuangchote, 2014, "Synthesis of Graft Copolymers and Their Preliminary Use as a Compatibilizer in Polymer Solar Cells", *International Journal of Polymeric Materials and Polymeric Biomaterials*, [JIF2013 : 2.784], Vol. 63, No. 6, Jan, 2014, pp. 302-309.
22. Narumon Seeponkai, Nopparat Keaitsirisart, Jatuphorn Wootthikanokkhan, Chanchana Thanachayanont, and Surawut Chuangchote, 2014, "Fullerene Functionalized Polystyrene: Synthesis, Characterizations and Application in Bulk Heterojunction Polymer Solar Cells", *International Journal of Polymeric Materials and Polymeric Biomaterials*, [JIF2013 : 2.784], Vol. 63, No. 1, 2014,
23. Nattawoot Rattanathamwat, Jatuphorn Wootthikanokkhan, Nonsee Nimitsirawat, Chanchana Thanachayanont, Udom Asawapirom, and Anusit Keawprajak, 2014, "Poly(3-Hexyl Thiophene)-B-Fullerene Functionalized Polystyrene Copolymers (P3ht-B-Psfu) as Compatibilizer in P3ht/Phenyl-C61-Butyric Acid Methyl Ester (Pcbm) Solar Cells", *International Journal of Polymeric Materials and Polymeric Biomaterials*, [JIF2013 : 2.784], Vol. 63, No. 9, 2014, pp. 476-485.
24. Nuttee Thungsuk, Peerapong Nuchuay, Daisuke Hirotsu, Yoshimi Okamura, Kenichi Nakabayashi, Hiroyuki Kinoshita, Toshifumi Yuji, Narong Mungkung, and Nat Kasayapanand, 2014, "Development of Low - Pressure High - Frequency Plasma Chemical Vapor Deposition Method on Surface Modification of Silicon Wafer", *Vacuum*, [JIF2014 : 1.858], Vol. 109, No. Special Issue: SI, Nov, 2014, pp. 166-169.

25. Nuttee Thungsuk, Toshifumi Yuji, Nat Kasayapanand, Narong Mungkung, Peerapong Nuachauy, Somchai Arunrungrusmi, Kenichi Nakabayashi, Yoshimi Okamura, Hiroyuki Kinoshita, Hisaaki Kataoka, Yoshifumi Suzuki, and Toyoaki Hirata, 2014, "**Low-Temperature Naturatron Sputtering System for Deposition of Indium Tin Oxide Film**", *IEEE TRANSACTIONS ON PLASMA SCIENCE*, [JIF2014 : 0.950], Vol. 42, No. 10, Oct, 2014, pp. 3391-3396.
26. Parichart Yotkaew, Apisit Kositchaiyong, Ekachai Wimolmala, Vichai Rosarpitak, and Narongrit Sombatsompop, 2014, "**Use of Synthetic Fibers as Co-Reinforcing Agents in Wood/Pvc Hybrid Composites : Effect on Tribological Properties**", *Journal of Reinforced Plastics & Composites*, [JIF2014 : 1.503], Vol. 33, No. 10, 2014, pp. 964-976.
27. Paveena Tangudom, Sirinthorn Thongsang, and Narongrit Sombatsompop, 2014, "**Cure and Mechanical Properties and Abrasive Wear Behavior of Natural Rubber, Styrene-Butadiene Rubber and Their Blends Reinforced with Silica Hybrid Fillers**", *Materials and Design*, [JIF2014 : 3.501], Vol. 53, No., Jan, 2014, pp. 856-864.
28. Phapada Khunsriya, Jatuphorn Wootthikanokkhan, Narumon Seeponkai, and Chumphon Luangchaisri, 2014, "**Preparation of Dehydrochlorinated Poly(Vinyl Chloride) (Dhpcv) and Dhpcv Nanofibres: Effects of Reaction Time on Conductivity,Electrospinnability, and Fibre Morphology**", *Polymers and Polymer Composites*, [JIF2014 : 0.255], Vol. 22, No. 7, 2014, pp. 581-590.
29. Phetrada Pinwisat, Sivawan Phoolphundh, Sasidhorn Buddhawong, and Soydoa Vinitnantharat, 2014, "**Effect of Surfactant-Coated Charcoal Amendment on the Composting Process and Nutrient Retention**", *Environmental Engineering Research 2014*, [JIF2014 : 0.317], Vol. 19, No. 1, 2014, pp. 37-40.
30. Pimsaruta Sanprasert, Narongrit Sombatsompop, Pongdhorn Sae-oui, and Chakrit Sirisinha, 2014, "**Cotton Fibers Reinforcement of Hnbr: Control of Fiber Alignment and Its Influence on Properties of Hnbr Vulcanizates**", *Journal of Applied Polymer Science*, [JIF2014 : 1.768], Vol. 131, No. 22, 2014, p. Article Number: 41090.
31. Ratiya Thuwapanichayanan, Somkiat Prachayawarakorn, and Somchart Soponronnarit, 2014, "**Heat and Moisture Transport Behaviour and Quality of Chopped Garlic Undergoing Different Drying Methods**", *Journal of Food Engineering*, [JIF2014 : 2.771], Vol. 136, No., Sep, 2014, pp. 34-41.
32. Sirintip Juntueng, Sirintornthep Towprayoon, and Siriluk Chiarakorn, 2014, "**Energy and Carbon Dioxide Intensity of Thailand's Steel Industry and Greenhouse Gas Emission Projection toward the Year 2050**", *Resources, Conservation and Recycling*, [JIF2014 : 2.564], Vol. 87, No. 2014, June, 2014, pp. 46-56.

33. Sitthipong Mahathanabodee, Tippaban Palathai, Surapol Raadnui, Ruangdaj Tongsri, and Narongrit Sombatsompop, 2014, "Dry Sliding Wear Behavior of Ss316l Composites Containing H-Bn and Mos2 Solid Lubricants", *Wear*, [JIF2014 : 1.913], Vol. 316, No. 1-2, Aug 15, 2014, pp. 37–48.
34. Somjate Patcharaphun, Yanichsa Sukniyom, Watcharapong Chookaew, and Narongrit Sombatsompop, 2014, "Flow Properties and Melt Distortion in Molten Rubber Compounds under Capillary Extrusion: Effects of Vulcanizing Systems and Fillers ", *Progress in Rubber Plastics & Recycling Technology*, [JIF2014 : 0.452], Vol. 30, No. 3, 2014, pp. 129-144.
35. Somthida Likhittert, Chatchai Wongchaleo, Apisit Kositchaiyong, Ekachai Wimolmala, Santi Mitrprasertporn, and Narongrit Sombatsompop, 2014, "Thermal Characteristics and Temperature Profiles Changes in Structurally Different Polyethylenes with Peroxide Modifications", *Journal of Vinyl & Additive Technology*, [JIF2014 : 0.859], Vol. 20 No. 2, June, 2014, pp. 80-90.
36. Suluksana Mongkol, Sirichai Thepa, Pichai Namprakai, and Naris Pratinthong, 2014, "Cooling Performance Assessment of Horizontal Earth Tube System and Effect on Planting in Tropical Greenhouse", *Energy Conversion and Management*, [JIF2014 : 4.380], Vol. 78, No., Feb, 2014, pp. 225-236.
37. Suraphan Rattanavadi, Lada Punsukumtana, Nandh Thavarungkul, and Nakorn Srisukhumbowornchai, 2014, "Cordierite Composites Using New Source of Waste; Sludge Cake from Aluminum Scrap and Dross Recycling Industry in Thailand", *Journal of the Australian Ceramic Society*, [JIF2014 : 0.658], Vol. 50, No. 2, 2014, pp. 118-125.
38. Suriya Phankosol, Kaokanya Sudaprasert, Supathra Lilitchan, Kornkanok Aryasuk, and Kanit Krisnangkura, 2014, "Estimation of Surface Tension of Fatty Acid Methyl Ester and Biodiesel at Different Temperatures", *Fuel*, [JIF2014 : 3.520], Vol. 126, No., 2014, pp. 162-168.
39. Suriya Phankosol, Kaokanya Sudaprasert, Supathra Lilitchan, Kornkanok Aryasuk, and Kanit Krisnangkura, 2014, "Estimation of Density of Biodiesel", *Energy and Fuels*, [JIF2014 : 2.790], Vol. 28, No. 7, June 16, 2014, pp. 4633–4641.
40. Tawich Pulngern, Preecha Kaewkalya, Vichai Rosarpitak, and Narongrit Sombatsompop, 2014, "Experimental and Computational Investigations of Creep Responses of Wood/Pvc Composite Members", *International Polymer Processing*, [JIF2014 : 0.512], Vol. 29, No. 3, July, 2014, pp. 307-316.

41. Thatchapol Chungcharoen, Somkiat Prachayawarakorn, Patcharee Tungtrakul, and Somchart Soponronnarit, 2014, "Effects of Germination Process and Drying Temperature on Gamma-Aminobutyric Acid (Gaba) and Starch Digestibility of Germinated Brown Rice", *Drying Technology*, [JIF2014 : 1.518], Vol. 32, No. 6, 2014, pp. 742-753.
42. Waraporn Tongon, Chamorn Chawengkijwanich, and Siriluk Chiarakorn, 2014, "Visible Light Responsive Ag/TiO₂/Mcm-41 Nanocomposite Films Synthesized by a Microwave Assisted Sol-Gel Technique", *Superlattices and Microstructures*, [JIF2014 : 2.097], Vol. 69, No. 2014, May, 2014, pp. 108-121.
43. Waraporn Tongon, Chamorn Chawengkijwanich, and Siriluk Chiarakorn, 2014, "Multifunctional Ag/TiO₂/Mcm-41 Nanocomposite Film Applied for Indoor Air Treatment", *Building and Environment*, [JIF2014 : 3.341], Vol. 82, No. 2014, Sep 30, 2014, pp. 481-489.
44. Wasina Thakhiew, Sakamon Devahastin, and Somchart Soponronnarit, 2014, "Combined Effects of Drying Methods, Extract Concentration, and Film Thickness on Efficacy of Antimicrobial Chitosan Films", *Journal of Food Science*, [JIF2014 : 1.791], Vol. 79, No. 6, 2014, pp. 1150-1158.
45. Wittawat Tipsaenprom, Monthana Rungsiyopas, and Charoenporn Lertsatitthanakorn, 2014, "Thermodynamic Analysis of a Compact Thermoelectric Air Conditioner", *Journal of Electronic Materials*, [JIF2014 : 1.798], Vol. 43, No. 6, June, 2014, pp. 1804-1808.
46. Yardnapar Parcharoen, Puangrat Kajitvichyanukul, Sirinrath Sirivisoot, and Preecha Termsuksawad, 2014, "Hydroxyapatite Electrodeposition on Anodized Titanium Nanotubes for Orthopedic Applications", *Applied Surface Science*, [JIF2014 : 2.711], Vol. 311, No., Aug 30, 2014, pp. 54-61.

National Journals

1. Atiya Kongsen, Rattanachai Pairintha, Kaokanya Sudaprasert, and Warunee Limmun, 2014, "**Free Fatty Acid in Vegetable Oil and Animal Fat During Storage**", *Agricultural Science Journal*, [TJIF 2013 : 0.333], Vol. 45, No. 2, May-Aug, 2014, pp. 261-264.
2. Jirawat Chinmanee and Chullapong Chullabodhi, 2014, "**Study on Electricity Generated from Municipal Waste in Thailand**", *Engineering Journal Chiang Mai University*, [TJIF 2013 : 0.023], Vol. 21, No. 1, Jan - Apr, 2014,
3. Khomkrit Kunlayangam, Poomjai Saartchom, and Thanit Swasdisevi, 2014, "**Drying of Ground Fish Slice Using Superheated Steam Combined with Hot Air**", *RMUTP Research Journal*, [TJIF 2013 : 0.067], Vol. 8, No., March 1, 2014, pp. 51 - 63.
4. Nopparat Orrasin, Thanit Swasdisevi, and Pratarn Wongsarivej, 2014, "**Regression Model on Pressure Drop of 50 Mm Solid-Liquid Hydrocyclone**", *KMUTT Research and Development Journal*, [TJIF 2013 : 0.266], Vol. 37, No. 1, Jan - Mar, 2014, pp. 97 - 107.
5. Pichai Soison, Pratarn Wongsarivej, and Thanit Sawasdsevi, 2014, "**Effects of Flow Ratio and Concentration on the Separation Efficiency of 100-Mm Hydrocyclone**", *KMUTT Research and Development Journal*, [TJIF 2013 : 0.266], Vol. 37, No. 4, Oct-Dec, 2014, pp. 418-427.
6. Poomjai Saartchom and Thanit Swasdisevi, 2014, "**Pork Slices Drying Using a Combined Vacuum and Far-Infrared Radiation Technique**", *Industrial Technology Lampang Rajabhat University Journal*, [JIF 2013 : 0.032], Vol. 7, No. 1, Jan-June 2014, pp. 83-97.
7. Siwapol Tangmanotienchai, Warunee Tia, and Somchart Soponronnarit, 2014, "**Feasibility Study of Using Oil Palm and Coconut Fronds for Electricity Generation**", *KMUTT Research and Development Journal*, [TJIF 2013 : 0.266], Vol. 37, No. 2, Apr - May, 2014, pp. 199-213.
8. Somchart Soponronnarit, Sukawat Thanthara, and warunee Tia, 2014, "**Assessment of Cost of Power Generatoion from Agricultural Residues in Thailand** ", *The Journal of the Royal Institute of Thailand*, [TJIF 2013 : 0.040], Vol. 39, No. 2, April - June, 2014, pp. 153 - 164.
9. Wallaya Kaweepornpoj and Warunee Tia, 2014, "**Potential of Energy Saving and Promotion Measure of Using Small Scale High Efficiency Boiler in Hospitals**", *Engineering Journal Chiang Mai University*, [TJIF 2013 : 0.023], Vol. 21, No. 3, Sep - Dec, 2014, p. 13 Pages.

International Conferences

1. Buntoon Wiengmoon, Krissanapong Kirtikara, Chaya Jivacate, and Dhirayut Chenvidhya,2014. "**Pv Modules Deterioration with Less Than 15 Years Installation in Thailand**". *5th KKU International Engineering Conference 2014 "Engineering and Technological Responses to Global Challenges" (KKU-IENC 2014)*, March 27-29, 2014, Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen, Thailand, pp., 1068-1072.
2. Chaichana Yodnil, Naris Pratinthong, Sirichai Thepa, and Nat Kasayapanand,2014. "**A Study Efficiency of Solar Hot Water System for Hotel**". *1st ACEIAT and 3rd JTSTE 2014*, Aug 28-29, 2014, Chiangmai Phucome Hotel,Chiangmai,Thailand, pp., 189-192.
3. Chayada Pansuk and Soydoa Vinitnantharat,2014. "**Decolorization of Dye Wastewater by Adsorption on Fly Ash Granules Coated with Hexadecyl Trimethyl Ammonium Bromide**". *International Conference on Environmental and Occupational Health (ICEOH_2014)*, April 7-9, 2014, Putrajaya Marriott Hotel, Putrajaya
4. Chayada Pansuk and Soydoa Vinitnantharat,2014. "**Investigations on the Fixed-Bed Column Performance of Acid Brown 75 Adsorption by Surface Modified Fly Ash Granules**". *Advanced Materials Research*, 2014, Trans Tech Publications, Switzerland, pp., 241-245.
5. Ekkalak Suwansatid, Mana Amornkitbamrung, Sirichai Thepa, and Roongrojana Songprakorp,2014. "**Suitable Study of Low Cost Solar Collector System for Hospital**". *1st ACEIAT and 3rd JTSTE 2014*, Aug 28-29, 2014, Chiangmai Phucome Hotel,Chiangmai,Thailand, pp., 197-200.
6. Hathairat Loyprakhon, Siriluk Chiarakorn, and Pattana Rakkwamsuk,2014. "**Greenhouse Gas Emissions from Low Income House Construction: Case Study in Baan Eua-Arthorn Project in Thailand**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21,2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 349-352.
7. Jatuphorn Wootthikanokkhan, Saiwan Nawalertpanya, and Onruthai Srirodpai,2014. "**Structural Optimization of Vanadium Oxides Prepared Via a Polymer Assisted Deposition**". *4th Thailand International Nanotechnology Conference 2014*, Nov 25-28, 2014, Thailand Science Park Convention Center, Pathumthani, Thailand, p. 1 Page.

8. Jirawat Sitranon, Charoenporn Lertsatitthanakorn, Pichai Namprakai, Taveewat Suparos, Naris Pratinthong, and Natthaphon Roonprasang,2014. "**Development of a Thermal Water Pump with Steam - Air for Agriculture**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth* Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 166-169.
9. Karn Nakaravarayut, Roongrojana Songprakorp, Anawach Sangswang, Veerapol Monyakul, Chaya Jivacate, and Chamnan Limsakul,2014. "**Determination of Loss of Load Probability of Grid Connected Photovoltaic System Using Solar Shape Functions**". *6th World Conference on Photovoltaic Energy Conversion*, Nov 23-24, 2014, Kyoto, Japan, p. 2 Page.
10. Kodchanipa Ruksawong, Roongrojana Songprakorp, and Veerapol Monyakul,2014. "**Effect of Magnetic Field on Velocity of Water in a Porous Medium**". *25th International Symposium on Transport Phenomena*, Nov 5-7, 2014, Krabi,Thailand, p. 5 pages.
11. Kwanjira Chantaraprabha and Soydoa Vinitnantharat,2014. "**Effect of Drought on Water Resource: A Case Study of Chao Phraya River**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth* Nov 19-21, 2014, Anantara Bangkok Riverside Resort and Spa, Bangkok Thailand, pp., 474-477.
12. Mathana Wongaree, Surawut Chuangchote, and Siriluk Chiarakorn,2014. "**Fabrication and Characterizations of Carbon Nanotube/Tio2 Nanocomposites Fibers with Poly (Vinyl Alcohol) by Electrospinning**". *7th International Symposium on Surface Science*, Nov 2-6, 2014, Kunibiki Messe, Matsue, Shimane, Japan.
13. Mati Nararom, Sirichai Thepa, Jirasak Kongkiattikajorn, and Roongrojana Songprakorp,2014. "**The Effect of Bacterial Disinfection by Solar Illumination and Photocatalytic Disinfection**". *7th TSAE International Conference on Agricultural Engineering (TSAE 2014):Innovative Sustainable Agriculture to Revive Thai Economy*, Apr 2-4, 2014, Krungsri river Hotel, Pranakhomsriayothanya, Thailand, pp., 74 - 78.
14. Nanthachat Pookang, Soydoa Vinitnantharat, and Sasidhorn Buddhawong,2014. "**Investigation of Nutrient and Coliform Bacteria from Non-Point Source on the Chao Phraya River Bank in Dry Season**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort and Spa, Bangkok Thailand, pp., 478-481.

15. Nanthiya Khomkham, napachat Tareelap, and Choochat Nitipanyawong,2014. "**Preparation of Vanadium Conversion Coating on Electro-Galvanized Steel for Corrosion Resistance**". *11th International Conference Kasetsart University Kamphaengsaen campus*, Dec 8-9, 2014, Nakhonpathom,Thailand, p. 8 pages.
16. Nate Phuprason, Mana Amornkitbamrung, Sirichai Thepa, and Roongrojana Songprakorp,2014. "**Design of Solar Collector System for Resort**". *1st ACEIAT and 3rd JTSTE 2014*, Aug 28-29,2014, Chiangmai Phucome Hotel,Chiangmai,Thailand, pp., 193-196.
17. Nathaphop Jaranpong and Siriluk Chiarakorn,2014. "**Carbon Footprint of Educational Institute : Case Study Mongkut's Uniat**". *5th International Conference on Sustainable Energy and Environment (SEE 2014) : Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 444-447.
18. Nuenghatai Khong-in, Napachat Tareelap, Nandh Tharvarungkul, Choochat Nitipanyawong, and Nakorn Srisukhumbowornchai,2014. "**Preparation of Drying Oil Encapsulated Urea-Formaldehyde for Self-Repairing Coating**". *Burapha University International Conference 2014*, Jul 3-4, 2014, Dusit Thani Pattaya Hotel, Chonburi, Thailand, pp., 104-110.
19. Pathomthit Chaisedthaphong, Pattana Rakkwamsook, Krissanapong Kirtikara, and Usa Boonbumroong,2014. "**Performance Based on IEC 61724 of Electrification from Pv/Diesel Hybrid System at Phukradueng National Park**". *11th International Conference Kasetsart University Kamphaeng Saen Campus*, Dec 8-9, 2014, Nakhonpathom,Thailand, p. 7 pages.
20. Patrpimol Suwankan, Nuttaphong Sornsuwit, and Nuchthana Poolthong,2014. "**Design of Runner and Gating Systems for the Investment Casting of 431 Stainless Steel Netting Hook through Numerical Simulation**". *8th International Conference on Material Science and Technology*, Dec 15-16, 2014, Swissotel Le Concord, Bangkok, Thailand, pp., 328-332.
21. Pawatwong Bamroongkhan and Charoenporn Lertsatitthanakorn,2014. "**Performance Study of a Thermoelectric Generator Incorporated in a Liquid Petroleum Gas Stove**". *Burapha University International Conference 2014*, Jul 3-4, 2014, Dusit Thani Pattaya Hotel, Chonburi, Thailand, pp., 560-565.
22. Pawinee Saksuntornsiri, Paiboon Limpitipanich, Warunee Tia, Bundit Limmeechokchai, and Piti Pita,2014. "**Energy Economic Impacts of Feed-in Tariff Programs under Thai Renewable Energy Electricity Plan - Energy Input-Output Analysis**". *RCEnE 2014 Conference Program*, Nov 13-14, 2014, The Sukosol Hotel, Bangkok, Thailand, p. 6 Pages.

23. Pawinee Suksuntornsiri, Paiboon Limpitipanich, Warunee Tia, Bundit Limmeechokchai, Piti Pita, and Pemika Misila,2014. **"Feed-in Tarriffs under Thailand Renewable Electricity Plan - Appropriate Price for Producer and Consumer"**. *RCEnE 2014 Conference Program*, Nov 13-14, 2014, The Sukosol Hotel, Bangkok, Thailand, p. 6 Pages.
24. Pisut Jirasirilert, Napachat Tareelap, and Choochat Nitipanyawong,2014. **"Preparation of Molybdate-Permanganate Conversion Coating for Corrosion Resistance"**. *CBIR 2014*, May 15-16, 2014, Thai-Nichi Institute of Technology, Bangkok, Thailand, p. 1 page.
25. Poj Chutong, Nuchthana Poolthong, and Ruangdaj Tongsri,2014. **"Synthesis and Characterization of Artificial Bone Material Using Calcium from a Natural Source"**. *8th Internaional Conference on Material Science and Technology*, Dec 15-16, 2014, Swissotel Le Concord, Bangkok, Thailand, p. 37.
26. Pongporn Moonchaleanporn, Nuchthana Poolthong, and Ruangdaj Tongsri,2014. **"Sintered Titanium-Hydroxyapatite Composites as Artificial Bones"**. *8th Internaional Conference on Material Science and Technology*, Dec 15-16, 2014, Swissotel Le Concord, Bangkok, Thailand, p. 38.
27. Pongsakorn Sarntichartsak, Pongsakorn Kaewcholkrum, and Sirichai Thepa,2014. **"Effect of Refrigerant Circuiting of Fin-Tube Condenser on Performances of an Inverter Air Conditioner Using Ozone-Friendly Refrigerants as Alternatives to R-22"**. *Sustainable Energy and Environment*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort and Spa, Bangkok, Thailand, pp., 242-246.
28. Preecha Tummy, Surapong Chirarattananon, Pattana Rakwamsuk, Pipat Chaiwiwatworakul, and Surawut Chuangchote,2014. **" A Survey of Housing Features and Thermal Comfort of Medium and Low Income Earners in Thailand"**. *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand pp., 312-318.
29. Raumchai Sae - Low and Janthana Kunchornrat,2014. **"Evaluation of Distributed Generation in Form of District Cooling System for Commercial Building of Thailand in Mea's Distributions Service Area"**. *AORC Technical Meeting 2014*, May 27-29,2014, Tokyo,Japan, pp., 1-8.
30. Sarawut Nabnean, Sirichai Thepa, and Serm Janjai,2014. **"Thin-Layer Drying Kinetics of Osmotic Dehydration of Cherry Tomato"**. *International Conference and Utility Exhibition 2014 on Green Energy for Sustainable Development (ICUE 2014)*, March 19-21, 2014, Jomtien Palm Beach Hotel and Resort, Pattaya City, Thailand, p. 5 pages.

31. Siriluk Chiarakorn, Pattana Rakkwamsuk, Kamonthip Aransiri, Nalinee Aneksaen, and Ranida Parnthong,2014. **"Evaluation of Greenhouse Gas Emission from Residential Buildings in Thailand"**. *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand pp., 358-361.
32. Siriorn Isarankura Na Ayutthaya, Supachok Tanpichai, and Jatuphorn Wootthikanokkhan,2014. **"Preparation and Structural Characterization of Electrospun Fibers of Chicken Feather Extracted Keratin/ Poly (Lactic Acid)/ Clay"**. *Macro 2014*, Jul 6-11, 2014, Chiang Mai International Convention and Exhibition Center (CMICE), Chiang mai, Thailand, pp., 70-72.
33. Supaphon Tantirak, Narong Mungkung, Tippaban Palathai, and Nat Kasayananand,2014. **"Impact Study of Using Control System for Electric Appliance in the Sufficient House"**. *1st ACEIAT and 3rd JTSTE 2014*, Aug 28-29, 2014, Chiangmai Phucome Hotel,Chiangmai,Thailand, pp., 201-204.
34. Surapong Chirattananon, Pipat Chaiwiwatworakul, and Pattana Rakkwamsuk,2014. **"Energy Consumption and Ghg Emission of Thailand's Residential Sector"**. *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 323-330.
35. Surawut Chuangchote, Pipat Chaiwiwatworakul, Siriluk Chiarakorn, Pattana Rakkwamsuk, and Surapong Chirattananon,2014. **"Reducing Energy Consumption Cost and Greenhouse Gas Emission for Tropical Low-Income Housing : Thailand Contribution"**. *5th International Conference on Sustainable Energy and Environment (SEE 2014) : Science, Technology and Innovation for ASEAN Green Growth* Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 319-322.
36. Suwit Paengkanya, Adisak Nathakaranakule, and Somchart Soponronnarit,2014. **"Combined Microwave-Hot Air Drying for Durian Chip Production"**. *7th International Conference on Agricultural Engineering (TSAE2014)*, April 2-4, 2014, Krungsri River Hotel, Pranakhornsriayothanya, pp., 123-133.
37. Thanet Vilasmongkolchai, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2014. **"A Low Frequency Pulse-Activated Electrolysis Hydrogen Production : Modeling and Controlling Approach"**. *International Conference on Electrochemical Energy Science Technology (EEST2014)*, Oct 31-Nov 4, 2014, Donghua University, Shanghai, China, p. 1.

38. Thanita Areerob, Siriluk Chiarakorn, and Nurak Grisdanurak,2014. "**Functionalized Mesoporous Silica from Rice Husk for Btex Adsorption in Gas Phase**". *5th International Conference on Sustainable Energy and Environment (SEE 2014) : Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 534-537.
39. Thunchanok Thongsamer, Soydoa Vinitnantharat, and Sivawan Phoolphundh,2014. "**Impact of Climate and Land Use on Escherichia Coli in the Chao Phraya River**". *5th International Conference on Sustainable Energy and Environment: Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort and Spa, Bangkok Thailand, pp., 470-473.
40. Vichuda Mettanant, Pipat Chaiwiwatworakul, and Pattana Rakkwamsuk,2014. "**An Enhancement of the Daylighting from Side-Window Using Two-Section Venetian Blind**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa,Bangkok, Thailand, pp., 362-368.
41. Viripol Vacharapanich, Naris Prathinthong, and Dhirayut Chenvidhya,2014. "**Firefly Algorithm for Nonlinear Parameter Identification of Grid Tied Inverter**". *1st Environment and Natural Resources International Conference (ENRIC 2014)* Nov 6-7, 2014, The Sukosol Hotel, Bangkok, Thailand, p. 50.
42. Wacharaphun Sidthiphong, Kampanart Theinnoi, and Thanit Swasdisevi,2014. "**Investigation of Efficiency and Emission from Multipurpose Diesel Engine by Using a Combined Biodiesel and Compressed Natural Gas as a Fuel**". *1st International Conference on Engineering Science and Innovative Technology (ESIT 2014)*, Apr 8-10, 2014, Krabi, Thailand, pp., 25-31.
43. Wannakanit Supachart, Thanyalak Taengchum, Surapong Chirattananon, Pattana Rakwamsuk, and Pipat Chaiwiwatworakul,2014. "**A Study of Transmission and Illumination of Light through Rectangular Light Pipes with Bends**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa, Bangkok, Thailand, pp., 182-186.
44. Waraporn Tongon, Chamorn Chawengkijwanich, and Siriluk Chiarakorn,2014. "**Ag Doped Tio2 Impregnation on Mcm-41 Nanocomposite and Its Application for Gaseous Benzene Removal under Visible Light**". *International Conference on Safe and Sustainable Nanotechnology (GTSNN 2014)*, Oct 14-17,2014, Akatosarot Building, Naresuan University, Phitsanulok, Thailand, p. 10 Page.

45. Witchuda Pasom, Apichit Therdyothin, Adisak Nathakaranakule, Cherdchai Prapanavarat, and Bundit Limmeechokchai,2014. "**Potential of Demand Response in Thailand**". *5th International Conference on Sustainable Energy and Environment (SEE 2014): Science, Technology and Innovation for ASEAN Green Growth*, Nov 19-21, 2014, Anantara Bangkok Riverside Resort & Spa, Bangkok, Thailand, pp., 2-5.
46. Wongsatorn Mounngam, Roongrojana Songprakorp, Komkrit Chomsuwan, and Teera Phatrapornnant,2014. "**Applied Supercapacitor to Energy Storage During Regenerative Brake State in Electric Vehicle**". *ECTI-CON 2014 : The 2014 International Conference on Electrical Engineering/Electronics,Computer, Telecommunications and Information Technology*, May 14-17, 2014, Nakhon Ratchasima, Thailand, pp., 1-6.
47. Wreerat Laithong, Roongrojana Piyapanuwat, and Sirichai Thepa,2014. "**Disinfection of Bacteria in Wastewater by Solar Water Heating System**". *International Conference on Mechanical, Civil and Material Engineering*, 25-26 October 2014, Phuket, Thailand, pp., 1-6.

National Conferences

1. Alisa Onura, Vissanu Meeyoo, Saiwan Nawalertpanya, and Jatuphorn Woothikanakkhan,2014. "**A Study on the Effect of Calcination Conditions on Structure of Vanadium Oxides**". *6th National Science Research Conference*, March 20 - 21 ,2014, Burapha University, Chonburi, Thailand, p. page 85.
2. Anyarat Prasunjai, Siriporn Rojananan, and Surasit Rojananan,2014. "**Composition Development of Brass Filler Metal for Part Welding**". *TRF-Master Research Congress VIII and RRI-MAG Congress I* Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand, p. 120.
3. Apisit Kositchaiyong, Ekachai Wimolmala, Teerasak Markpin, Sirinthorn Thongsang, Vichai Rosarpitak, and Narongrit Sombatsompop,2014. "**Developments New Materials for Sanitary, Wear and Reinforcement Applications.**". *3rd National Research University Summit*, Jul 31-Aug 1, 2014, Bangkok Convention Center, Centara Grand Central World Bangkok, Bangkok, Thailand
4. Arfan Haseemae, Narong Mungkung, Tippaban Palathai, and Nat Kasayapanand,2014. "**Simulation of Electricity Production from Solar Cell with Two-Axis Solar Tracking System**". *15th TSAE National Conference and The 7th International Conference (TSAE 2014)*, Apr 2-4, 2014, Krungsri River Hotel, Pranakhornsriayothanya,Thailand, p. 660.
5. Bhawan Muangwaeng, Surasit Rojananan, and Siriporn Rojananan,2014. "**Feedstock Fabrication for Medical Device Injection Moulding.**". *TRF-Master Research Congress VIII and RRI-MAG Congress I*, Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand, p. 241.

6. Chaktuphon Longnguen, Narong Mungkung, Tippaban Palathai, and Nat Kasayapanand,2014. **"Simulation Electricity Production System from Solar Cell by Using Pvsyst Program"**. *15th TSAE National Conference and the 7th TSAE International Conference : TSAE 2014* Apr 2-4, 2014, Krungsri River Hotel, Pranakhornsriayothanya,Thailand, pp., 650-654.
7. Chutimon Worachetbancha, Kuskana Kubaha, and Pattana Rakkwamsuk,2014. **"A Study on Overall Heat Transfer Coefficient for Window System"**. *Conference on Energy Technology Network of Thailand ; ENETT*, Jun 4-6, 2014, Prince of Songkla University, Songkla, Thailand, pp., 1-8.
8. Dolnapa Satasasawat, Naris Pratinthong, Sirichai Thepa, and Janthana Kunchornrat,2014. **"Analysis of Thermal Performance of Low Cost Solar Hot Water System in Thailand"**. *15th TSAE National Conference and The 7th International Conference of (TSAE 2014)*, Apr 2-4, 2014, Krungsri River hotel, Phra Nakhon Si Ayutthaya, Thailand, pp., 625-631.
9. Ekasit Yongpanich, Kuskana Kubaha, and Adisak Nathakaranakule,2013. **"A Study of Water Film Glazing for Heat Transfer Reduction through Building"**. *10th Kasetsart University Kamphaeng Saen Campus Conference*, Dec 6-7, 2013, Kasetsart University Kamphaeng, Nakhonpathom, thailand, pp., 2521-2529.
10. Jatuphorn Wootthikanokkhan and Chanakarn Piewnuan,2014. **"Effects of Polymerization Conditions on Percentage Yield of Poly(Pyrrole)/Tio2 and Photocatalytic Effect of the Hybrid Nanomaterials"**. *4th Polymer Conference of Thailand*, March 20 - 21,2014, Pathumwan Princess Hotel, Bangkok, Thailand, p. page 38.
11. Jaturong Kampasri, Kaokanya Sudaprasert, Suriya Phankosol, Kornkanok Aryusuk, and Kanit Krisnangkura,2014. **"Thermodynamic Relationship between Dynamic and Kinematic Viscosities of Biodiesel"**. *40th Congress on Science and Technology of Thailand (STT40)*, Dec 2-4, 2014, Pullman Hotel Racha Orchid, Khon Kaen,Thailand pp., 1035-1042.
12. Kasamon Prateepnathalhang, Thanit Swasdisevi, Thanet Utidthum, and Saiwan Buathong,2014. **"Production of Plastic Oil Using the Pyrolysis Technique"**. *1st National Conference of Science and Technology*, May 23, 2014, The Empress Hotel, Chiang Mai, Thailand, p. 11 Pages.
13. Kowit Ratanaramic and Apichit Therdyothin,2014. **"Energy Saving Measures in Compressed Air in Industries"**. *10th The SRU National Conference* Nov 21, 2014, Surat Thani,Thailand, p. 8 pages.
14. Nichapat Sitthisuk, Kaokanya Sudaprasert, Suriya Phankosol, Kornkanok Aryusuk, and Kanit Krisnangkura,2014. **"Correlation of Biodiesel Viscosity to Its Surface Tension"**. *40th Science and Technology Conference of Thailand under the heading : Science and Technology towards ASEAN Development*, Dec 2-4, 2014, Pullman Hotel Racha Orchid, Khon Kaen,Thailand pp., 1043-1053.

15. Orrawan Pongchumpon, Jatuphorn Woothikanakkhan, and Manisara Phiriyawirut,2014. "Effects of Concentration and Voltage on Structure and Properties of Electrospun Poly(Vinylidene Fluoride-Hexafluoropropylene)". *6th National Science Research Conference*, Mar 20 - 21 ,2014, Burapha University, Chonburi, Thailand, pp., 33-38.
16. Pakamas Itsariyarangan, Suwimol Asavapisit, and Rungroj Piyaphanuwat,2014. "Effect of Alkaline Concentration and Curing Temperature on Strength Development of Geopolymer Synthesized from Bituminous Coal Fly Ash". *10th Annual Concrete Conference* Oct 20-22, 2014, Dusit Island Resort, Chiang Rai, Thailand, pp., 27-32.
17. Panupong Srimalanon, Apisit Kositchaiyong, Atthapong Gitchaiwat, and Narongrit Sombatsompop,2014. "Mechanical Properties and Anti-Microbial Efficacies in Wood/Pvc Composites Containing Hpqm Based Propylene Glycol". *6th Science Research Conference*, Mar 20-21, 2014, Burapha University, Chonburi, Thailand, pp., 39-45.
18. Paphonphach Waikasetkorn, Naris Pratinthong, Mana Amornkitbamrung, and Pratarn Wongsarivej,2014. "Possibility of Using Bagasse Pulp Mill Sludge as Fuel Gas". *การถ่ายเทพลังงาน ความร้อน และ มวล ใน อุปกรณ์ด้านความร้อนและกระบวนการ (ครั้งที่ 13)*, Mar 13-14, 2014, Chaolao Cabana Resort, Chanthaburi,Thailand, p. 203.
19. Patarapum Phunthikaphadr, Charoenporn Lertsatitthanakorn, Sirichai Thepa, and Nat Kasayapanand,2014. "Study of Efficiency of One-Pass Colied Tube Solar Water Heater". *3rd National Conference on Sustainable Industrial Innovation and Management*, Oct 14-15, 2014, BITEC, Bangkok, Thailand, pp., 238-243.
20. Peesadeach Khumngean, Kittipong Tangphant, and Kaokanya Sudaprasert, 2014, "Design Development and Installation of Light Emitting Diode Bulbs in Street.", *1st National Conference of Science and Technology*, Vol., No., May 23, 2014, p. 1Page.
21. Piyanuch Khumphoi, Surasit Rojananan, and Siriporn Rojananan,2014. "Investigation on Injection Moulding Parameters of High Density Polyethylene Blended Chemical Blowing Agent for Reducing Sink Mark on Part". *TRF-Master Research Congress VIII and RRI-MAG Congress I* Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand, p. 107.
22. Potchanaporn Huabcharoen, Ekachai Wimolmala, and Narongrit Sombatsompop,2014. "Cure and Mechanical Properties of Natural Rubber Compounds Filled with Silica from Bagasse Ash". *6th National Science Research Conference*, Mar 20-21, 2014, Burapha University, Chonburi, Thailand, pp., 64-70.

23. Sakawrat Chunphuang, Suwimol Asavapisit, and Roongrojana Piyapanuwat,2014. "**Releasing of Urea Coated with Polylactic Acid Grade 2002d**". *Interdisciplinary Research and Studies on Sustainable Development*, Aug 5, 2014, Kamphaengphet Rajabhat University,Thailand, pp., 89-97.
24. Sasiworada Puathawee, Siriporn Rojananan, and Surasit Rojananan,2014. "**Effect of Alloying Elements in Lead-Free Brass for Casting**". *TRF-Master Research Congress VIII and RRI-MAG Congress I* Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand p. 122.
25. Sirintra Jitchoom, Siriporn Rojananan, and Surasit Rojananan,2014. "**White Alloy Development for Fashion Jewelry Casting**". *TRF-Master Research Congress VIII and RRI-MAG Congress I*, Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand, p. 123.
26. Siriporn Rojananan and Surasit Rojananan,2014. "**Argon Arc Furnace for High Temperature Alloys Melting in Laboratory**". *TRF-Master Research Congress VIII and RRI-MAG Congress I*, Apr 3-5, 2015, The Twin Tower Hotel, Bangkok, Thailand, p. 1 Page.
27. Siriporn Rojananan, Surasit Rojananan, Paiboon Chuangthong, and Kessaraporn Wathanyu,2014. "**Manufacturing for Strengthening Improvement of Nonferrous Alloys**". *3rd National Research University Summit*, Jul 31-Aug 1, 2014, Bangkok Convention Center, Centara Grand Central World Bangkok, Bangkok, Thailand
28. Sittichai Klayjek, Naris Prathinthong, and Usa Boonbumroong,2014. "**Development of Data Acquisition and Control System for Hybrid Renewable Energy System**". *SPU CON 2014*, Dec 16, 2014, Sripatum University, Bangkok, Thailand, pp., 810-818.
29. Siwat Saito, Rattanachai Pairintha, and Kaokanya Sudaprasert,2014. "**Study on Potential of Biodiesel Production from Rambutan Seeds with High Free Fatty Acids**". *การประชุมวิชาการและเสนอผลงานวิจัยพืชเขตร้อนและกึ่งร้อน ครั้งที่ 8*, Jul 21-22, 2014, University of the Thai Chamber of Commerce,Bangkok,Thailand, p. 1 page.
30. Suntud Sirianuntapiboon, Narumon Jeyashoke, Kanidtha Chairattanawan, Methinee Rarunroeng, and Kwanchart Tawisuwan,2014. "**Problem Solving for Biological Wastewater Treatment: Wastewater Containing Heavy Metals and Cyanide**". *3rd National Research University Summit*, Jul 31-Aug 1, 2014, Bangkok Convention Center, Centara Grand Central World Bangkok, Bangkok, Thailand
31. Sutthipat Dejburaam, Mana Amornkitbamrung, Sirichi Thepa, and Roongrojana Songprakorp,2014. "**A Computational Fluid Dynamics Modeling of Piglet Heating Plate from Hot Water Systems**". *3rd National Conference on Sustainable Industrial Innovation and Management*, Oct 14-15, 2014, BITEC,Bangkok,Thailand, pp., 63-74.

32. Thanit Suthatippimarn and Nat Kasayapanand,2014. "**Modeling of Air Flowing through Dimpled Tube Surfaces and Heat Transfer**". *1st National Conference of Science and Technology*, May 23, 2014, The Empress Hotel, Chiang Mai, Thailand, p. 1 Page.
33. Thanyarat Lorsirirat, Roongrojana Songprakorp, and Janthana Kunchornrat,2014. "**Feasibility Study of Using Electric Three-Wheel Shuttles in Dense Traffic Areas in Bangkok**". *National and International Conference 2014 "Interdisciplinary Research and Studies on Sustainable Development"*, Aug 5 ,2014, Kamphaeng Phet Rajabhat University, Kamphaengphet, Thailand, p. 1 page.
34. Thatarat Sywannaphum, Purit Thanakijkasem, and Nat Kasayapanand,2014. "**Analysis of Air Ventilation in Factory Via Coupled Models**". *9th SPU CON 2014*, Dec 16, 2014, Sripatum University, Bangkok, Thailand, pp., 667-.
35. Thaya Choothin, Mana AmornkitbWirachai Soontornrangson, Wirachai Soontornrangson, Thanet Utidthum, and Girapong Srivichai,2014. "**Bio-Oil Production from Jatropha Cake by Fast Pyrolysis in a Screw Reactor Using of Induction Heating Technique**". *1st National Conference of Science and Technology*, May 23, 2014, The Empress Hotel, Chiang Mai, Thailand, p. 1 Page.
36. Thinnaphop Chum-in, Kaokanya Sudaprasert, Suriya Phankosol, Kornkanok Aryusuk, and Kanit Krisnangkura,2014. "**Development of Computer Program for Calculation of Biodiesel Properties**". *40th Congress on Science and Technology of Thailand (STT40)*, Dec 2-4, 2014, Pullman Hotel Racha Orchid, Khon Kaen,Thailand pp., 975-982.
37. Wannakanit Supachart, Thanyalak Taengchum, Surapong Chirarattananon, and Pattana Rakwamsuk,2014. "**A Study of Transmission and Illumination of Light through Rectangular Light Pipes with Bends**". *Sustainable Industrial Innovation and Management (Eco Innovation and Solution 2014)*, Oct 14-15, 2014, BITEC, Bangkok, Thailand, pp., 201-209.
38. Wannop Mankong, Rattanachai Pairintha, and Kaokanya Sudaprasert,2014. "**Biodiesel Production from Spent Coffee Grounds Using Calcium Oxide of Egg-Shell and Crab-Shell as Catalyst**". *การประชุมวิชาการและเสนอผลงานวิจัยพืชเขตร้อนและกึ่งร้อน ครั้งที่ 8*, Jul 21-22, 2014, University of the Thai Chamber of Commerce,Bangkok,Thailand, p. 5 pages.
39. Waraporn Sangpetch, Pojanie Khummongkol, and Soydoa Vinitnantharat,2014. "**Effect of Biomass Burning to Distribution of Particles in Urban**". *Proceedings of The National Research Conference "Inventive and Development to the ASEAN Community"*, May 31, 2014, Nakhon Ratchasima College,Nakhon Ratchasima, Thailand, pp., 264-269.

40. Watcharapong Thammavichit and Charoenporn Lertsatitthanakorn,2014. "Improvement of Solar Cell Moduleefficiency Using Temperature Reduction Technique and Flat Plate Reflector". *40th Congress on Science and Techniligy of Thailand (STT40)*, Dec 2-4, 2014, Pullman Hotel Racha Orchid, Khon Kaen,Thailand pp., 1019-1026.
41. Wathanaporn Kraiwan, Jjrasak Kongkiattikajorn, Janthana Kunchornrat, and Sirichi Thepa,2014. "The Efficiency of the Compound Parabolic Concentrator Increase in Temperature and the Solar Radiation to Inhibit E.Coli". *3rd National Conference on Sustainable Industrial Innovation and Management*, Oct 14-15, 2014, BITEC,Bangkok,Thailand, pp., 266-270.
42. Weradesh Sangkhun and Jatuphorn Wootthikanokkhan,2014. "Effect of Electrospinning Parameters on Morphology of Dehydrochlorinated Poly(Vinyl Chloride) Nanofibers". *4th Polymer Conference of Thailand*, March 20 - 21,2014, Pathumwan Princess Hotel Bangkok, Thailand, pp., 28 - 32.
43. Wongsatorn Mounngam, Roongrojana Songprakorp, Komkrit Chomsuwan, and ชีระ ภัทรภาพรนนท์,2014. "Study of Efficiency of Supercapacior for Energy Storage by Regenerative Braking". *6th Electrical Engineering Network 2014 of Rajamangala University of Technology Conference*, Mar 26-28, 2014, Maritime Park & Spa Resort, Krabi, Thailand, pp., 253-256.
44. Jatuphorn Wootthikanokkhan,2014. "Current Progress in the Developments of Polymeric Materials for Alternative Energy Devices at Pentec Group, Kmutt". *4th Polymer Conference of Thailand*, Mar 20 - 21,2014, Pathumwan Princess Hotel, Bangkok, Thailand, p. page 27.
45. Yachita Masjutasarane, Thanit Swasdisevi, Thanet Utidthum, and Suneerat Fukuda,2014. "Simulation of Air Distribution in Dual Circulating Fluidized Bed Reactors". *1st National Conference of Science and Technology*, May 23, 2014, The Empress Hotel, Chiang Mai, Thailand, p. 8 pages.
46. Yutthakarn Boonyuen, Rattanachai Pairintra, and Kaokanya Sudaprasert,2014. "Study of Efficiency in Biodiesel Production from Plam Oil by Using Cao-Zno, Cao and Zno Catalyst". *การประชุมวิชาการและเสนอผลงานวิจัยพืชเขตร้อนและกึ่งร้อน ครั้งที่ 8*, Jul 21-22, 2014, University of the Thai Chamber of Commerce,Bangkok,Thailand, p. 1 page.