

LIST OF PUBLICATIONS 2016

School of Energy, Environment and Material, KMUTT

Annual Report for Year 2016, (Update 23 May 2016)

IJ-38

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International journals

1. Arkom Palamanit, Somkiat Prachayawarakorn, Patcharee Tungrakul, and Somchart Soponronnarit, 2016+, "**Performance Evaluation of Top-Spray Fluidized Bed Coating for Healthy Coated Rice Production**", *Food and Bioprocess Technology*, Vol. 9, No. 8, Aug, pp. 1317-1326.
2. Artith Eksirinimitr, Ekachai Wimolmala, Kulnida Taptim, and Narongrit Sombatsompop, 2016+, "**Effects of Simulation Conditions on Antibacterial Performance of Polypropylene and Polystyrene Doped with Hpqm Antibacterial Agent**", *Polymer Testing, (JIF2015 = 2.350)*, Vol. 55, No., Oct, pp. 123-134.
3. Atthapong Gitchaiwat, Somthida Likhitlert, Apisit Kositchaiyong, Khokhwan. Israngkura, Kulnida Taptim, and Narongrit Sombatsompop, 2016+, "**Uses of 2-Hydroxypropyl-3-Piperazinyl-Quinoline Carboxylic Acid Methacrylate and Terbutryn as Algacides in Low-Density Polyethylene Mulching Films for Agricultural Applications**", *Journal of Plastic Film & Sheeting, [JIF 2014 = 1.500]*, Vol. 32, No. 1, Jan 2016, pp. 97-116.
4. Benjawan Mahittirook, Nat Kasayapanand, and Janthana Kunchornrat, 2016+, "**Estimation of Greenhouse Gases Emission from Household Energy Consumption of a Rural Community in Thailand**", *International Journal of Advances in Science Engineering and Technology*, Vol. 4, No. 1, Jan, 2016, p. 14.
5. Chaiwat Rattanamechaikul, Nittaya Junka, Chalermchai Wongs-Aree, Somkiat Prachayawarakorn, and Somchart Soponronnarit, 2016+, "**Influence of Hot Air Fluidized Bed Drying on Quality Changes of Purple Rice**", *Drying Technology*, Vol. 34, No. 12, 2016, pp. 1462-1470.

6. Jantaraporn Promchim, Sirichai Kanking, Piyaporn Niltui, Ekachai Wimolmala, and Narongrit Sombatsompop, 2016+, "**Swelling and Mechanical Properties of (Acrylonitrile-Butadiene Rubber)/(Hydrogenated Acrylonitrile-Butadiene Rubber) Blends with Precipitated Silica Filled in Gasohol Fuels**", *Journal of Vinyl & Additive Technology, [JIF2015 : 0.859]*, Vol. 22, No. 3, Sep, pp. 239-246.
7. Jantharat Wutisatwongkul, Nandh Thavarungkul, Jirawan Tiansuwan, and Preecha Termsuksawad, 2016+, "**Influence of Soda Pulping Variables on Properties of Pineapple (Ananas Comosus Merr.) Leaf Pulp and Paper Studied by Face-Centered Composite Experimental Design**", *Advances in Materials Science and Engineering*, Vol., No., 2016, p. 11.
8. Jaran Ratanachotinun, Nat Kasayapanand, Jongjit Hirunlabh, Sopa Visitsak, Sombat Teekasap, and Joseph Khedari, 2016+, "**A Design and Assessment of Solar Chimney of Bioclimatic House Wall and Roof for Construction in the Housing Market of Thailand**", *Building Services Engineering Research & Technology*, Vol. 37, No. 6, Nov, pp. 694-709.
9. Jaran Ratanachotinun, Nat Kasayapanand, Jongjit Hirunlabh, Sopa Visitsak, Sombat Teekasap, and Joseph Khedari, 2016+, "**Technical and Economical Assessment of Energy-Saving Roof and Wall Construction in Thailand**", *Journal of the Chinese Institute of Engineers*, Vol. 39, No. 1, Jan, pp. 1-11.
10. K. Jitjack, Sirichai Thepa, Kaokanya Sudaprasert, and Pichai Namprakai, 2016+, "**Improvement of a Rubber Drying Greenhouse with a Parabolic Cover and Enhanced Panels**", *Energy and Buildings*, Vol. 124, No., Jul, pp. 178-193.
11. Kodchanipa Ruksawong, Roongrojana Songprakorp, Veerapol Monyakul, N.A.David, Pang-Chieh Sui, and Ned Djilali, 2016+, "**Investigation of Pemfc under Static Magnetic Field : Temperature, Relative Humidity and Performance**", *Journal of the Electrochemical Society, [JIF2015 : 3.014]*, Vol. 164, No. 14, 2016, pp. F1-F8.
12. Kulsucha Pin-ngoan, Apisit Kositchaiyong, Benjaphorn Prapagdee, and Narongrit Sombatsompop, 2016+, "**Formation of Escherichia Coli Biofilm on Lldpe Sheets by Incorporation of 2-Hydroxypropyl-3-Piperazinyl-Quinoline Carboxylic Acid Methacrylate or Silver-Substituted Zeolite**", *International Biodeterioration & Biodegradation, (JIF 2014 : 2.131)*, Vol. 109, No., 2016, pp. 211-222.

13. Mathana Wongaree, Siriluk Chiarakorn, Surawut Chuangchote, and Takashi Sagawa, 2016+, **"Photocatalytic Performance of Electrospun Cnt/Tio₂ Nanofibers in a Simulated Air Purifier under Visible Light Irradiation"**, *Environmental Science and Pollution Research*, Vol. 23, No. 21, Nov, pp. 21395-21406.
14. Methinee Rarunroeng and Suntud Sirianuntapiboon, 2016+, **"Effect of Anoxic: Oxidic Ratio on the Efficiency and Performance of Sequencing Batch Reactor (Sbr) System for Treatment of Industrial Estate Wastewater Containing Cr³⁺ and Ni²⁺"**, *Desalination and Water Treatment*, Vol. 57, No. 46, 2016, pp. 21752-21769.
15. Naruebodee Srisang, Somchart Soponronnarit, Ratiya Thuwapanichayanan, and Somkiat Prachayawarakorn, 2016+, **"Modeling Heat and Mass Transfer-Induced Stresses in Germinated Brown Rice Kernels During Fluidized Bed Drying"**, *Drying Technology*, Vol. 34, No. 6, 2016, pp. 619-634.
16. Nuttaporn Jaritkaun, Jatuphorn Wootthikanokkhan, Chanakarn Piewnuan, Pailin Ngaotranwiwat, and Siriluk Chiarakorn, 2016+, **"Inducing Catalytic Activity in the Dark of Tio₂/Wo₃ Mixed Metal Oxides by Using an in Situ Polymerized Semiconductive Polymeric Binder"**, *Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry*, Vol. 46, No. 11, 2016, pp. 1705-1714.
17. Panupong Srimalanon, Weawboon Yamsaengsung, Apisit Kositchaiyong, Ekachai Wimolmala, Khokhwan Isarangkura, and Narongrit Sombatsompop, 2016+, **"Effects of Uv-Accelerated Weathering and Natural Weathering Conditions on Anti-Fungal Efficacy of Wood/Pvc Composites Doped with Propylene Glycol-Based Hpqm"**, *Express Polymer Letters*, [JIF 2014 = 2.761], Vol. 10, No. 4, Apr, pp. 289-301.
18. Panusak Moonsri, Janthana Kunchornrat, and Pichai Namprakai, 2016+, **"Hybrid Energy Thermal Water Pump for Producing Hot Water a Shallow Well in Thailand"**, *Journal of Energy Engineering*, [JIF2013 : 1.104], Vol. 142, No. 3, Sep, 2016, p. 1 page.
19. Patiwat Khomwachirakul, Sakamon Devahastin, Thanit Swasdisevi, and Somchart Soponronnarit, 2016+, **"Simulation of Flow and Drying Characteristics of High-Moisture Particles in an Impinging Stream Dryer Via Cfd-Dem"**, *Drying Technology*, Vol. 34, No. 4, 2016, pp. 403-419.
20. Pimpan Pruengam, Somchart Soponronnarit, Somkiat Prachayawarakorn, and Sakamon Devahastin, 2016+, **"Evolution of Mechanical Properties of Parboiled Brown Rice Kernels During Impinging Stream Drying"**, *Drying Technology*, [JIF 2015 : 1.854], Vol. 34, No. 15, 2016, pp. 1843-1853.

21. Pimsaruta Sanprasert, Narongrit Sombatsompop, Pongdhorn Sae-oui, and Chakrit Sirisinha, 2016+, **"Investigation of Cotton Fiber Alignment and Its Effect on Properties of Hnbr Vulcanizates: Influences of Scorch Behavior, Flow Distance and Injection Pressure"**, *Rubber Chemistry and Technology*, Vol. 89, No. 3, Sep, 2016, p. 1 page.
22. Pitipat Bootkote, Somchart Soponronnarit, and Somkiat Prachayawarakorn, 2016+, **"Process of Producing Parboiled Rice with Different Colors by Fluidized Bed Drying Technique Including Tempering"**, *Food and Bioprocess Technology*, Vol. 9, No. 9, Sep, pp. 1574-1586.
23. Sarawut Nabnean, Serm Janjai, Sirichai Thepa, Kaokanya Sudaprasert, Roongrojana Songprakorp, and B.K. Bala, 2016+, **"Experimental Performance of a New Design of Solar Dryer for Drying Osmotically Dehydrated Cherry Tomatoes"**, *Renewable Energy*, Vol. 94, No., Aug, pp. 147-156.
24. Sarawut Nabnean, Sirichai Thepa, Serm Janjai, and B.K.Bala, 2016+, **"Drying Kinetics and Diffusivity of Osmotically Dehydrated Cherry Tomatoes"**, *Journal of food Processing and Preservation*, Vol., No.,
25. Sarthit Toolthaisong and Nat Kasayapanand, 2016+, **"Heat Transfer Enhancement in a Cross-Flow Heat Exchanger with Modified Air Angles of Attack"**, *Journal of Energy Engineering*, Vol. 142, No. 3, Sep, p. 6.
26. Siriorn Isarankura Na Ayutthaya, Supachok Tanpichai, Weradesh Sangkhun, and Jatuphorn Wootthikanokkhan, 2016+, **"Effect of Clay Content on Morphology and Processability of Electrospun Keratin/Poly(Lactic Acid) Nanofiber"**, *International Journal of Biological Macromolecules*, Vol. 85, No., Apr, pp. 585-595.
27. Somkiat Prachayawarakorn, Chonlada Raikham, and Somchart Soponronnarit, 2016+, **"Effects of Ripening Stage and Steaming Time on Quality Attributes of Fat Free Banana Snack Obtained from Drying Process Including Fluidized Bed Puffing"**, *Journal of Food Science and Technology-Mysore*, Vol. 53, No. 2, Feb, pp. 946-955.
28. Sorachon Yoriya, Angkana Chumphu, Pusit Pookmanee, Wreerat Laithong, Sirichai Thepa, and Roongrojana Songprakorp, 2016+, **"Multi-Layered Tio2 Films Towards Enhancement of Escherichia Coli Inactivation"**, *Materials*, Vol. 9, No. 10, Oct, p. 12.

29. Suntud Sirianuntapiboon and Attarot Chaochon, 2016+, "**Effect of Cr³⁺ on the Efficiency and Performance of the Sequencing Batch Reactor (Sbr) System for Treatment of Tannery Industrial Wastewater**", *Desalination and Water Treatment*, [JIF 2015 : 1.173], Vol. 57, No. 12, Mar, pp. 5579-5591.
30. Suntud Sirianuntapiboon and Kanidta Chairattanawan, 2016+, "**Comparison of Sequencing Batch Reactor (Sbr) and Granular Activated Carbon-Sbr (Gac-Sbr) Systems on Treatment Textile Wastewater Containing Basic Dye**", *Desalination and Water Treatment*, [JIF 2015 : 1.173], Vol. 57, No. 56, 2016, pp. 27096 - 27112.
31. Tanaya Sopapornamorn, Kaokanya Sudaprasert, and Jongjit Hirunlabh, 2016+, "**Impact Assessment of Energy-Saving Houses on Environment in Thailand**", *Journal of Building Physics*, Vol. 40, No. 2, Sep, pp. 162-176.
32. Tawich Pulngern, Thanaphon Chitsamran, Somchai Chucheepsakul, Vichai Rosarpitak, Somjate Patcharaphun, and Narongrit Sombatsompop, 2016+, "**Effect of Temperature on Mechanical Properties and Creep Responses for Wood/Pvc Composites**", *Construction and Building Materials*, Vol. 111, No., 2016, pp. 191-196.
33. Thanaphol Sukchana and Naris Pratinthong, 2016+, "**A Two-Phase Closed Thermosyphon with an Adiabatic Section Using a Flexible Hose and R-134a Filling**", *Experimental Thermal and Fluid Science*, [JIF2015: 1.414], Vol. 77, No., Oct, pp. 317-326.
34. Thanita Areerob, Nurak Grisdanurak, and Siriluk Chiarakorn, 2016+, "**Utilization of Rice Husk Silica as Adsorbent for Btex Passive Air Sampler under High Humidity Condition**", *Environmental Science and Pollution Research*, [JIF 2015 = 2.828], Vol. 23, No. 6, Mar, pp. 5538-5548.
35. Thinnaphop Chum-in, Kaokanya Sudaprasert, Suriya Phankosol, Supathra Lilitchan, Kornkanok Aryusuk, and Kanit Krisnangkura, 2016+, "**Gibbs Energy Additivity Approaches to Qspr in Modeling of High Pressure Dynamic Viscosity of Fame and Biodiesel**", *Journal of Molecular Liquids*, Vol. 223, No. 2016, Nov, pp. 1006-1012.
36. Weera Sriariyakul, Thanit Swasdisevi, Sakamon Devahastin, and Somchart Soponronnarit, 2016+, "**Drying of Aloe Vera Puree Using Hot Air in Combination with Far-Infrared Radiation and High-Voltage Electric Field : Drying Kinetics, Energy Consumption and Product Quality Evaluation**", *Food and Bioproducts Processing*, [JIF 2015 : 2.687], Vol. 100, No. Part A, pp. pp. 391-400.

37. Witchaya Arpavate, Surawut Chuangchote, Navadol Laosiripojana, Jatuphorn Wootthikanokkhan, and Takashi Sagawa, 2016+, "**Zno Nanorod Arrays Fabricated by Hydrothermal Method Using Different Thicknesses of Seed Layers for Applications in Hybrid Photovoltaic Cells**", *Sensors and Materials*, Vol. 28, No. 5, 2016, pp. 403-408.

38. Yardnapar Parcharoen, Preecha Termsuksawad, and Sirinrath Sirivisoot, 2016+, "**Improved Bonding Strength of Hydroxyapatite on Titanium Dioxide Nanotube Arrays Following Alkaline Pretreatment for Orthopedic Implants**", *Journal of Nanomaterials*, Vol., No., 2016, p. 13.

National Journals

1. Chitlada Pisansungkakoon, Siriporn Rojananan, and Surasit Rojananan, 2016+, "**The Effect of Mold Temperature on Defects for White Alloy in Loss Wax Casting**", *KMUTT Research and Development Journal*, Vol., No., Jun 21, 2016,
2. Dechawut Kanchanakarankul and Warunee Tia, 2016+, "**Analysis of Energy Consumption and Greenhouse Gas [Ghg] Emission of Parcel Post in Metropolitan Area**", *Engineering Journal Chiang Mai University*, Vol. 24, No. 3, Sep-Dec 2017, p. 1 page.
3. Hanan Sareh and Kuskana Kubaham, 2016+, "**The Appropriate Roof for Residence in Hot and Humid Climate**", *Engineering Journal Chiang Mai University*, Vol. 23, No. 1, 2016, pp. 50-59.
4. Jintana Ubonwat, Sirichai Thepa, Roongrojana Songprakorp, and Wareerat Laithong, 2016+, "**Transformation of Water Hyacinth for Wetted Media in the Evaporative Cooling System**", *Rangsit University Journal Of Engineering and Technology*, Vol. 19, No. 1, January-June 2016, p. 1 Page.
5. Thamolwan Kiawpan, Kuskana Kubaha, and Pattana Rakkwamsuk, 2016+, "**Thermal Performance of Various Window Films for Vehicles**", *Engineering Journal Chiang Mai University*, Vol. 23, No. 1, 2016, pp. 1-13.
6. Sangsom Chitwaree, Jirawan Tiansuwan, Nandh Thavarungkul, and Lada Punsukmtana, 2016, "**The Effect of Cullet and Lithium Carbonate on Reducing Sintering Temperature of Ceramic Floor Tiles**", *Industrial Technology Lampang Rajabhat University Journal*, Vol. 9, No. 2, Jul-Dec, 2016, pp. 146-160.
7. Pongpan Kamsap, Sirichai Thepa, Kaokanya Sudaprasert, and Wareerat Laithong, 2016+, "**Study on the Hot Water Production Process by Using Waste Heat Recovered from Air Conditioner**", *Rangsit University Journal Of Engineering And Technology*, Vol. 19, No. 1, Jan-Jun, 2016, p. 1 Page.
8. Supisara Prawpan, Suriya Phankosol, Kaokanya Sudaprasert, Kornkanok Aryusuk, and Kanit Krisnangkura, 2016+, "**Estimation Heat Capacity of Biodiesel**", *Journal of Energy and Environment Technology*, Vol., No., Accepted, p. 10 page.

International Conferences

1. Chanika Puridetvorakul, Nuchthana Poolthong, and Napachat Tareelap,2016. "**Corrosion Behavior of Alzn-in Sacrificial Anode Alloys Produced by Conventional Casting and Semi-Solid Metal Casting Processes**". *The 9th International Conference on Materials Science and Technology*, Dec 14-15, 2016 Swissotel Le Concorde Bangkok, Thailand
2. Eleeyah SANISO, Somkiat Prachayawarakorn, Thanit Swasdisevi, and Somchart Soponronnarit,2016+. "**Effect of a Combined Microwave and Fluidized Bed Drying on Drying Kinetics and Qualities of the Parboiled Rice**". *The 17th TSAE National Conference and The 9th TSAE International Conference (TSAE Conference 2016)*, 8-10 September 2016, HALL 7 IMPACT Arena, Exhibition and Convention Center Bangkok, Thailand pp., 120-126.
3. Kangsadan Sagulpongmalee, Apichit Therdyothin, and Adisak Nathakaranakule,2016. "**The Comparative Analysis of the Feed-in Tariff of the Photovoltaic System in Thailand with the Successful Countries**". *SEE 2016 - 6th International Conference on Sustainable Energy and Environment*, Nov 28-30, 2016, Dusit Thani, Bangkok, Thailand, p. 212.
4. Kavisa Sriphan, Soydoa Vinitnantharat, and Kowit Suwannahong,2016. "**Assessment of Greenhouse Gases Emission from Organic Coconut Sugar Production**". *6th International Conference on Sustainable Energy and Environment : 6th ICGSI 2016 and 1st CTI 2016*, Nov 28-30, 2016, Dusit Thani, Bangkok, Thailand, p. 1 page.
5. Khomkrit Srisuwan, Jirawan Tiansuwan, Apichit Therdyothin, and Piya Siangsukone,2016+. "**Thermosyphon Solar Organic Rankine System**". *The 8th International Conference on Science, Technology and Innovation AEC-056 for Sustainable Well-Being* 15-17 June 2016 Yangon, Myanmar pp., 235-239.
6. Lertgrin A, Phinyawirut M, and Jatuphorn Wootthikanokkhan,2016+. "**Preparation and Characterization of Ethylene Acrylic Acid Copolymer/Cellulose Microfobits Composite Sheet**". *Pure and Applied Chemistry International Conference 2016*, February 9-11, 2016, Bangkok, Thailand

7. Nuttaporn Jaritkaun, Jatuphorn Wootthikanokkhan, Chanakarn Piewnuan, Pailin Ngaotrakanwivat, and Siriluk Chiarakorn, 2016, "**Inducing Catalytic Activity in the Dark of Tio₂/Wo₃ Mixed Metal Oxides by Using an in Situ Polymerized Semiconductive Polymeric Binder**", *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, Vol. 46, No. 11, pp. 1705-1714.
8. Pakpoom Supachart, Santita Rattanaphan, Pichai Soison, Thanit Swasdisevi, and Pratarn Wongsarivej, 2016+. "**Development of Regression Model of Stk50eu for Hydrocyclone**". *The 9th International Conference on Materials Science and Technology*, 14–15 December 2016, Swissotel Le Concorde, Bangkok, Thailand, p. 1 page.
9. Patiwat Khomwachirakul, Sakamon Devahastin, Thanit Swasdisevi, and Somchart Soponronnarit, 2016+. "**Cfd Simulation of Multi-Stage Drying of Parboiled Paddy Kernels in an Impinging Stream Dryer**". *The 17th TSAE National Conference and The 9th TSAE International Conference (TSAE Conference 2016)*, 8-10 September 2016, HALL 7 IMPACT Arena, Exhibition and Convention Center Bangkok, Thailand, pp., 154-159.
10. Peerapong Nuchuay, Tanapoj Chaikereee, Nat Kasayapanand, Narong Mungkung, Somchai Arunrungrusmi, Mati Horprathum, Pitak Eiamchai, Saksorn Limwichean, Viyapool Patthanasettakul, Nuchnipa Nuntawong, Chaiyan Oros, Somyod Denchicharoen, Benjarong Samransuksamer, and Pongpan Chindaudom, 2016+. "**Preparation and Characterization of Ito Nanostructure by Oblique Angle Deposition**". *International Conference on Science and Technology of Emerging Materials*, July 27-29 2016, Holiday Inn, Pattaya, Thailand, p. 1 Page.
11. Peerapong Nuchuay, Tanapoj Chaikereee, Nat Kasayapanand, Narong Mungkung, Somchai Arunrungrusmi, Mati Horprathum, Pitak Eiamchai, Saksorn Limwichean, Viyapool Patthanasettakul, Nuchnipa Nuntawong, Chaiyan Oros, Somyod Denchicharoen, Benjarong Samransuksamer, and Pongpan Chindaudom, 2016. "**The Effect of Thickness Layer on Ito Nanostructure Prepared by Oblique Angle Deposition**". *International Conference on Science, Technology & Education : Technology, Hand-making, Engineering Education, Energy & Environment (ICSTE 2016)*, Sep, 2016, Siam Bayshore Resort & Spa Hotel Pattaya, Chonburi, Thailand, pp., 281-284.
12. Pisan Booneimsri, Kuskana Kubaha, and Chullapong Chullabodhi, 2016. "**Waste Heat Potential Assessment of the Engine Based Power Plant in Thai Palm Oil Mills**". *The 4th International Conference on Sustainable Energy Engineering and Application (ICSEEA 2016)*, Oct 3-5, 2016, Indonesia Convention Exhibition (ICE), BSD City, Tangerang, Indonesia, pp., 116-121.

13. Pisan Booneimsri, Kuskana Kubaha, and Chullapong Chullabodhi,2016. "**Potential of the Engine-Driven Cogeneration System in a Palm Oil Mill in Thailand**". *The 4th International Conference on Sustainable Energy Engineering and Application (ICSEEA 2016)*, Oct 3-5, 2016, Indonesia Convention Exhibition (ICE), BSD City, Tangerang, Indonesia
14. Rattikan Neamchan, Soydoa Vinitnantharat, and Warunee Tia,2016. "**Briquette from Lychee and Coconut Leaves with Wood Ash for Community Based Renewable Energy**". *6th International Conference on Sustainable Energy and Environment : 6th ICGSI 2016 and 1st CTI 2016*, Nov 28-30, 2016, Dusit Thani, Bangkok, Thailand
15. Sangsom Chitwaree, Jirawan Tiansuwan, Nandh Thavarungkul, and Lada Punsukumtana,2016+. "**Firing Temperature Reduction in Porcelain Stoneware Tile Bodies by Using Cullet- Sodium Feldspar-Lithium Carbonate Flux**". *The 8th International Conference on Science, Technology and Innovation AEC-056 for Sustainable Well-Being* 15-17 June 2016, Yangon, Myanmar pp., 279-282.
16. Sasidhorn Buddhawong, Sivawan Phoolphundh, Sawanya Junbang, and Soydoa Vinitnantharat,2016+. "**Methane Emission from Powder Organic Fertilizer and Granule Organic Fertilizer in Paddy Field**". *The 10TH South East Asian Technical University Consortium (SEATUC)*, 23-24 February 2016, Shibaura Institute of Technology, Tokyo, p. 1 Page.
17. Siriya Chansakun, Preecha Termsuksawad, and Choochat Nitipanyawong,2016+. "**Effects of Leaching Parameters on Cobalt and Lithium Recovery from Spent Li-Ion Battery**". *Proceedings of RSU International Research Conference 2016*, 29 April 2016, Suryadhep Music Sala,Rangsit University,Patum Thani, Thailand, pp., 117-125.
18. Songsak Sakulniyomporn, Kuskana Kubaha, and Chullapong Chullabodhi,2016+. "**Assessment and Design Options of Thailand's Feed-in Policies**". *International conference on Electrical, Electronics, computer science and Mathenatucs physical education and Management (ICEECMPE)*, August 14th, 2016, Bangkok, Thailand, p. 5 page.
19. Sutida Phitakwinai, Sirichai Thepa, and Wanich Nilnont,2016+. "**Effect of Nozzle Position on Water Ejector Efficiency**". *The 6th KKU International Engineering Conference 2016*, August 3 - 5, 2016, Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen, Thailand, p. 138.

20. Sutida Phitakwinai, Sirichai Thepa, and Wanich Nilnont,2016+. "**Numerical Investigation of the Influences of Nozzle Convergence Angle on the Water Ejector Efficiency**". *The 6th KKU International Engineering Conference 2016*, August 3 - 5, 2016, Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen, Thailand, p. 151.
21. Tanapoj Chaikereee, Peerapong Nuchuay, Nat Kasayapanand, Narong Mungkung, Somchai Arunrungrusmi, Mati Horprathum, Pitak Eiamchai, Saksorn Limwichean, Viyapool Patthanasettakul, Nuchnipa Nuntawong, Chaiyan Oros, Somyod Denchicharoen, Benjarong Samransuksamer, and Pongpan Chindaudom,2016+. "**Enhanced Transmission Based on Vertically Aligned ITO Nrs Deposited by Ion Assisted Electron Beam Evaporation with Glancing Angle Deposition Technique**". *International Conference on Science and Technology of Emerging Materials*, July 27-29 2016, Holiday Inn,Pattaya,Thailand, p. 1 Page.
22. Tanawut Khunhom and Kuskana Kubaha,2016+. "**Indoor Environment Quality of a Shopping Mall in Bangkok, Thailand**". *9th International Conference on Indoor Air Quality Ventilation & Energy Conservation in Building [IAQVEC2016]*, October 23-26, 2016, Songdo, Incheon. Republic of Korea
23. Tanes Sangprasertsuk, Panyawirut M., and Jatuphorn Wootthikanokkhan,2016+. "**Preparation and Characterization of Polycarbonate/Tungsten Oxide Composite Film**". *Pure and Applied Chemistry International Conference 2016*, February 9-11, 2016, Bangkok, Thailand
24. Thanet Vilasmongkolchai, Roongrojana Songprakorp, and Kaokanya Sudaprasert,2016+. "**The Behaviour of Gas Bubble During Rest Period of Pulse-Activated Electrolysis Hydrogen Production**". *2016 International Conference on Power. Energy and Mechanical Engineering*, June 18-20 2016, Bangkok, Thailand, p. 5 Page.
25. Thunyaphorn Piankijesakul, Napachat Tareelap, Kaysinee Sriraksasin, and Nakorn Srisukhumbowornchai,2016+. "**Feasibility Study of Dealloying Corrosion Preention in Manganese Aluminium Bronze (Mab)**". *The 10TH South East Asian Technical University Consortium (SEATUC)*, 23-24 February 2016, Shibaura Institute of Technology, Tokyo, p. 4 Page.
26. Tanapoj Chaikereee, Peerapong Nuchuay, Nat Kasayapanand, Narong Mungkung, Mati Horprathum, Pitak Eiamchai, Saksorn Limwichean, Viyapool Patthanasettakul, Noppadon Nuntawong, Chaiyan Oros, Somyod Denchicharoen, Benjarong Samransuksamer, Pongpan Chindaudom, 2016. "**Transparent Conductive Indium Tin Oxide Nanorod with Hydrophobic Properties Prepared by Glad Technique**". *The 4th Southeast Asia Conference on Thermoelectrics 2016*, Dec 15-18, 2016, Sea Garden Hotel, Danang, Vietnam, p. 1 Page.

National Conferences

1. Adisak Nathakaranakule and Pattana Rakkwamsuk,2016+. "**Feasibility Study for Using Solar Absorption Cooling in Town House**". *12th Conference On Energy Network of Thailand*, June 8-10, 2016, Wangchan Riverview, Phitsanulok, Thailand, pp., 1111-1116.
2. Dararat Laohalertdecha, Thanit Swasdisevi, and Pratarn Wongsarivej,2016+. "**Investigation of Hydrocyclone Efficiency for Solid-Liquid Separation Using Computational Fluid Dynamics**". *12th Conference On Energy Network of Thailand*, June 8-10, 2016, Wangchan Riverview, Phitsanulok, Thailand, pp., 917-923.
3. Kanokporn Detmode, Suwimol Asavapisit, and Rungroj Piyaphanuwat,2016+. "**Effect of Fly Ash on Properties of Compacted Clay Liner**". *The 5th STOU Graduate Research Conference*, Nov 27, 2015, Sukhothai Thammathirat Open University
4. Keeratikarn Ninyong, Ekachai Wimolmala, Narongrit Sombatsompop, and Kiadtisak Saenboonruang,2016+. "**Cure Characteristics, Mechanical and Neutron/Gamma Shielding Properties of Wood-Natural Rubber Composites**". *54th Kasetsart University Annual Conference*, Kasetsart University, pp., 287-294.
5. Lattawan Niyomtham, Charoenporn Lerdsatittanakorn, and Jompob Waewsak,2016+. "**Development of Microscale Wind Map for Andaman Coast, Thailand**". *12th Conference On Energy Network of Thailand*, June 8-10, 2016, Wangchan Riverview, Phitsanulok, Thailand
6. Nachanok Kaewsan, Suwimol Asavapisit, and Rungroj Piyaphanuwat,2016+. "**Use of Waste Residue from Ceramic Industry to Replace Skeletal Soil in Interlocking Block Production**". *38 th National Graduate Research Conference*, February 19-20, 2016, Naresuan University, Phitsanulok, Thailand, pp., 514-522.
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