

List of Accepted Abstracts

Materials Technology for Environment Session

ID	New ID	Paper Topics	Presentation
O-EV-088	EV-O-01	Design and Construction Variable Speed Heat Pump for Supply Air Reheat	Oral
O-EV-203	EV-O-02	Response of Bond Strength And Development Length Precast Concrete Using Grouting	Oral
O-EV-199	EV-O-03	Production of Woodceramics using Thai Waste Coconut Shell, and their Physical Properties	Oral
O-EV-346	EV-O-04	Wastewater Treatment using TiO ₂ Nanoparticles Loaded on Activated Carbon from Soybean Meal	Oral
O-EV-298	EV-O-05	Effect of TiO ₂ Thin Film on Ti Substrate Preparation Techniques on Methylene Blue and Wastewater Degradation via Photoelectrocatalytic Reaction	Oral
O-EV-237	EV-O-06	Degradation Behavior of Low Density Polyethylene Bags for Solar Disinfection Application	Oral
O-EV-223	EV-O-07	Material Safety and Integrity of Water-Filled Polyethylene Bags in an Accelerated Weathering Investigation for Applications in Solar Water Disinfection (SODIS)	Oral
O-EV-144	EV-O-08	The Development of Nanofiltration Membrane from Silk Fibroin Protein	Oral

O-EV-250	EV-O-09	Effect of Lignin Acidolysis/Organosolv System on Lignin-based Polyurethane Foam Properties	Oral
O-EV-293	EV-O-10	Pomelo (<i>Citrus maxima</i>) Peel-Inspired Property for Development of Eco-Friendly Loose-Fill Foam	Oral
O-EV-165	EV-O-11	Organic Based Heat Stabilizers for PVC: A Safer and More Environmentally Friendly Alternative of Lead Compound	Oral
O-EV-282	EV-O-12	Method Validation for Determination of Heavy Metals in Plastics by ICP-OES with Reference to EN 13432:2000 Packing Standard	Oral
O-EV-234	EV-O-13	Efficient PEI-PAN Cellulose Membranes for Copper (II) Ions Determination	Oral
O-EV-268	EV-O-14	Current Status of Carbon Footprint for Organization in Thailand	Oral
O-EV-306	EV-O-15	Carbon Footprint and Water Footprint of Refined Sugar in Thailand	Oral
O-EV-307	EV-O-16	Water Footprint of Polylactic Acid Production from Cassava in Thailand	Oral
O-EV-312	EV-O-17	Evaluating Greenhouse Gas Emissions of Ready-mixed Concrete for Construction Industry	Oral
O-EV-330	EV-O-18	Environmental Impact and Potential of Pollution Reduction Options for Foundry Industry: A Case Study of Faucet	Oral
P-EV-021	EV-P-01	Arsenic(III) and Chromium(VI) Removal from Water by Zirconium Oxide Ethylenediamine Adipate Hybrid Material and its Mathematical Modeling	Poster

P-EV-095	EV-P-02	Photocatalytic Degradation of Phenol by Impure BiFeO ₃ under Visible Light Irradiation	Poster
P-EV-109	EV-P-03	Study of Photodegradable Recycle Polyethylene by an Addition of Poly(ethylene oxide) Microcapsule Containing TiO ₂	Poster
P-EV-112	EV-P-04	Sol-gel Synthesis and Characterization of Barium Orthotitanate Powders	Poster
P-EV-118	EV-P-05	High Density Polyethylene Catalyst Waste as a Filler in Papermaking	Poster
P-EV-140	EV-P-06	Use of Chitosan as a Dye Adsorber in Dyeing Bagasse Fiber Process	Poster
P-EV-159	EV-P-07	Gas-sensing Properties of Pt-V ₂ O ₅ Thin Films for Ethanol Detection	Poster
P-EV-163	EV-P-08	Characterization of Hen and Duck Eggshells for Waste Utilization	Poster
P-EV-196	EV-P-09	Antibacterial Activity of P. aeruginosa Bacteria by Ni-doping Titaniumdioxide Thin Film on Glass Fiber Roving	Poster
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P-EV-264	EV-P-13	Treatment of Textile Dyeing Wastewater by Electrocoagulation	Poster
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P-EV-308	EV-P-15	Efficient Colorimetric Method for Nickel (II) Ions Determination using Dimethylglyoxime	Poster
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P-EV-345	EV-P-17	Adsorptive Removal of Methylene Blue from Aqueous Solution by Bamboo and Macadamia Nut Shells Charcoals Activated with Different Chemicals	Poster