



ICTA2015

International Conference on

Traditional and Advanced Ceramics 2015

Poster Presentations

<i>Session: Advanced Ceramics</i>	
AP-01	Hydroxyapatite-Bioglass Composites: Microstructural Study and Bioactivity Test Pat Sooksaen Silpakorn University, Thailand
AP-02	Effect of Substitution of Zn^{2+} and Zr^{4+} on Structural and Magnetic Properties of $BaFe_{12}O_{19}$ Rewadee Wongmaneerung Maejo University, Thailand
AP-03	Morphological Controlled Synthesis of Zinc Oxide for the Application to Sunscreen Cosmetics Mizuki Yoshida Tohoku University, Japan
AP-04	Solvothermal Synthesis of Nb Doped TiO_2 and NIR Shielding Ability Makoto Hamanaka Tohoku University, Japan
AP-05	Effect of Sintering Temperature on Microstructure and Properties of Porous Anode-supported for Solid Oxide Fuel Cells Fabricated by Ceramic Injection Moulding Nuthita Chuankrerkkul Chulalongkorn University, Thailand
AP-06	The Effect of Glass/PVA Composite Composition on the Adhesion and Strength of a 96% Alumina Joint Kritkaew Somton National Metal and Materials Technology Center, Thailand
AP-07	Effect of Alumina (Al_2O_3) on the Characteristics of Mullite Ceramics Synthesized with Kaolin from Narathiwat of Thailand Santi Pongphot Chiang Mai University, Thailand
AP-08	Phase-Selective Hydrothermal Preparation and Upconversion Luminescence of $NaYF_4:Yb^{3+},Tm^{3+}$ Thanataon Pornphatdetaudom Chulalongkorn University, Thailand
AP-09	High Performance Ag/AgBr/TiO_2 Photocatalyst-Coated Silica Beads Jate Panichpakdee Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-10	Synthesis and Sintering of Magnesium Aluminate Spinel Nanopowders Prepared by Precipitation Method using Ammonium Hydrogen Carbonate as a Precipitant Adison Saelee Chulalongkorn University, Thailand

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AP-11	Effect of Particle Sizes of BaTiO₃ (BT) Seed on Microstructure and Electrical Properties of (Ba_{0.85}Ca_{0.15})(Zr_{0.1}Ti_{0.9})O₃ Manlika Kamnony Chiang Mai University, Thailand
AP-12	The Electrical Properties of BCZT Lead-Free Ceramics Induced by BaZrO₃ Seeds Manlika Kamnony Chiang Mai University, Thailand
AP-13	Effects of NaNbO₃ Crystals on Characterization of (K_{0.5}Na_{0.5})NbO₃ Ceramics Chavalit Suksri Chiang Mai University, Thailand
AP-14	Phase Structure, Microstructure and Electrical Properties of BCZT Ceramics Prepared by Seed-Induced Method Wasuporn Hiransit Chiang Mai University, Thailand
AP-15	Tuning the Band Gap of ZnO Thin Films by Mg Doping Chavalit Suksri Chiang Mai University, Thailand
AP-16	Antibiotics Impregnated Hydroxyapatite for Localized Bone Tuberculosis Treatment: Influences of Solvent and Loading Techniques on Total Drug Content Waraporn Suvannapruk National Metal and Materials Technology Center, Thailand
AP-17	Effect of SrTiO₃ Nano-crystals on the Electrical Properties of Na_{0.47}K_{0.47}Li_{0.06}NbO₃ Ceramics by Seed Induced Method Uraivan Intatha Mae Fah Luang University, Thailand
AP-18	Synthesis and Structural Studies of Nanowires Composite Materials from Rice Husk Ash by Metallothermic Processes Ladarat Kanlayavisut Ubon Ratchathani University, Thailand
AP-19	Effect of Hydroxyapatite Bioceramic Bodies on Subcutaneous Soft Tissue Reaction of Laboratory Rats Rungsarit Koonawoot Chiang Mai University, Thailand
AP-20	Phenol Removal from Wastewater Contaminated Using Activated Carbon/Zeolite Composite Coated with Titanium Dioxide Khemmakorn Gomonsirisuk Chulalongkorn University, Thailand
AP-21	The Effect of β-SiC Nanowires on the Properties of Mullite Composites Wasana Khongwong Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-22	Influence of Silane Coupling Agent and Nano-Filler on the Properties of Dental Resin Composite Cements Wasana Khongwong Thailand Institute of Scientific and Technological Research (TISTR), Thailand



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AP-23	Effect of TaSi₂ Addition on the Densification and Mechanical Properties of ZrC-20 vol % SiC Composites Prepared by Spark Plasma Sintering Erhan Ayas Anadolu University, Turkey
AP-24	Effects of Preparation Process and Sintering Temperature on Mechanical Properties of Al₂O₃/ZrO₂ Micro-composite Saowaluk Chiangka Suranaree University of Technology, Thailand
AP-25	Effect of Milling Time on the Properties of BYF Doped PZT Energy Harvesting Ceramics by High Energy Ball Milling Arjin Boonruang Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-26	The Synthesis of Ru/NiO Nanoparticles with Gas-sensing Properties Viruntachar Kruefu Maejo University, Thailand
AP-27	Comparison of Milling Techniques of 0.98PZT-0.02BYF Piezoelectric Ceramic for Energy Harvester Piyalak Ngerenchuklin Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-28	A Facile Method for Preparation of La_{0.5}Sr_{0.5}MnO₃ Material by Atmospheric-Pressure Plasma Jet Sagung Dewi Kencana National Taiwan University of Science and Technology, Taiwan
AP-29	Influence of Time, Temperature and Solution Refreshing on Rapid Biomimetic Coating of Calcium Phosphate Coating on Titanium Faungchat Thammarakcharoen National Metal and Materials Technology Center, Thailand
AP-30	Size Reduction of Titanium Dioxide to Obtain Nano Particles by the Solution Combustion Technique Rachata Puranasamriddhi Kasetsart University, Thailand
AP-31	Effect of SnCl₄ Concentration on Transparent and Conducting Undoped Tin Oxide Thin Films S.Tipawan Khlayboonme King Mongkut's Institute of Technology Ladkrabang, Thailand
AP-32	Effect of Solvents on Photocatalytic Activity of BiVO₄ under Visible-Light Prepared by Precipitation-calcination Process Pornapa Sujaridworakun Chulalongkorn University, Thailand

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Session: Ceramic for Industrial Technology

CP-01	The Experimental of Low Temperatures Color Slip for Decorative on Earthenware Bodies Soravich Mulinta Lampang Rajabhat University, Thailand
CP-02	Powder Injection Molding of Mullite: The Study of Binder Dissolution Behavior during Debinding Step using Statistical Methods Parinya Chakartnarodom Kasetsart University, Thailand
CP-03	Powder Injection Molding of Mullite: The Study of Mechanical and Physical Properties of the Sintered Products using Statistical Methods Parinya Chakartnarodom Kasetsart University, Thailand
CP-04	Preparation, Characterization and Catalytic Performance of Zn-SBA-15 Catalysts Supranee Lao-Ubol Thailand Institute of Scientific and Technological Research (TISTR), Thailand
CP-05	Analytical Study of Ancient Pottery from the Archaeological Site of Ban Bo Suak form Nan Province, Thailand Usanee Malee Chiang Mai University, Thailand
CP-06	Effect of Borax on Lightweight Material from Cullet and Fly Ash Sutthima Sriprasertsuk Department of Science Service, Thailand
CP-07	Rate of Reaction and Mechanical Properties on Calcined Kaolin-based Geopolymer Narumon Lertcumfu Chiang Mai University, Thailand
CP-08	Utilization of Coal Bottom Ash as a Raw Material for Stoneware Ceramics Benya Cherdhirunkorn Thammasat University, Thailand
CP-09	Utilization of Expanded Perlite as a Source of Silica for Synthesizing Wollastonite by Solid State Reaction Napat Chantaramee Maejo University, Thailand
CP-10	Synthesis of Lightweight Aggregate from By-product of Paper Industrial for Concrete Application Suteerapun Punlert National Metal and Materials Technology Center, Thailand
CP-11	Effect of Talc on phase Formation and Mullite Morphology of Different Thailand Clays Nattawut Ariyajinno Chiang Mai University, Thailand



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CP-12	Development of the Common Brick Product to the Properties Fulfilled the Requirements of Thai Community Product Standard Tamonwat Hirunchartanan Lampang Rajabhat University, Thailand
CP-13	The Fabrication of Refractory Cordierite from Aluminium Buff Mixture Nuntaporn Kongkajun Thammasat University, Thailand
CP-14	Effect of Sodium Silicate and Used Gypsum Mold Additions on Properties of Lightweight Fired Clay Brick Thanakorn Wasanapiarnpong Chulalongkorn University, Thailand
CP-15	Preparation of Porous Silicon Carbide Ceramic by In-Situ Carbothermal Reduction Method from Rice Husk Charcoal Chalermkwan Makornpan Chulalongkorn University, Thailand
CP-16	Effect of Coarse Aggregate Replacement with Working Mold from Ceramic Industry in Lightweight Aggregate Concrete Pronpimon Sakultong King Mongkut's University of Technology Thonburi, Thailand
CP-17	Evaluation of Electrostatic Charge of Inorganic Pigments Coated by Silanes for Laser Beam Printer Jae-Hwan Pee KICET, South Korea
CP-18	A Recovery Process of High CaO Fly Ash after Wet Condition and their Characterization Sorachon Yoriya National Metal and Materials Technology Center, Thailand
CP-19	Carbon Structure Synthesized from Coconut Coir and their Properties Angkana Chumphu National Metal and Materials Technology Center, Thailand
CP-20	Effect of Quartz Addition on the Properties of Clay Body for Trakuan Pottery Chiawchan Saengthong Sisaket Rajabhat University, Thailand
CP-21	An Efficient Photocatalyst Materials TiO₂ for Degradation of Organic Pollutants in Wastewater Kamonwan Pinato Chulalongkorn University, Thailand
CP-22	Red Loess Development as Raw Materials for Clay-Based Ceramics Kritika Trakoolngam Khon Kaen University, Thailand
CP-23	Porous Geopolymer using Aluminium Dross and Aluminium Powder as Foaming Agents Anut Saikrasoon Chulalongkorn University, Thailand

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Session: Glaze and Glass Technology

GP-01

Preparation and Characterization of Bioactive Glass/Polycaprolactone Composites for Bone Tissue Engineering

Wilaiwan Leenakul

Rajamangala University of Technology Phra Nakorn, Thailand