

**15th International Conference on Frontiers of Polymers & Advanced Materials
(ICFPAM 2019)
17 – 21 June 2019**

POSTER PRESENTATION

*18 June 2019 (Tuesday)
5.30 – 6.30 pm*

No.	Presenter Name	ID No.	Title of Presentation
PO1	Muhammad Zulhadi Iskandar Radzi	PO-01-RADZI	Tailoring morphologies of Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ by H ₂ O ₂ etching assisted hydrothermal reaction for high-energy-density lithium-ion batteries
PO2	Savisha Mahalingam	PO-87-MAHALINGAM	Electron mobility in In ₂ O ₃ -CNTs (0.5 wt.%) based dye-sensitized solar cell
PO3	Isyaku Saleh	PO-02-SALEH	Fabrication of natural rubber bionanocomposites reinforced with cellulose nanocrystals
PO4	Abubakar Umar Birnin-Yauri	PO-03-BIRNIN-YAURI	Hybrid natural fiber thermoplastic biocomposites: Effect of modification of fiber and polymer on material properties
PO5	Norshahirah Mohamad Saidi	PO-86-SAIDI	Enhancing the electrical properties of quasi-solid-state polymer electrolyte-incorporated with 4-tert-butylpyridine (TBP) for dye-sensitized solar cell device
PO6	Zainab Sulaiman Jahun	PO-04-SULAIMAN	Solid-solid synthesis and characterization of Cu(II) and Ni(II) polynuclear metal complexes with ligand derived from 3-methoxy-4-hydroxy benzaldehyde and L-leucine
PO7	Intan Juliana Shamsudin	PO-05-SHAMSUDIN	Carboxymethyl chitosan based biopolymer electrolyte with imidazolium ionic liquid
PO8	Mardhiah Said	PO-51-SAID	Study of electrical and mechanical properties in sustainable high-dispersion natural rubber/graphene composite

PO9	Giovana Roberta Francisco Bronzato	PO-07-BRONZATO	Biodegradability study of composites made of abs and different natural fibers
PO10	Nurshafiza Shahabudin	PO-09-SHAHABUDIN	Physicochemical traits of cellulose acetate-based film electrolytes at different degree of substitution for electrochromic devices
PO11	Park Kwang Hun	PO-10-PARK	Molecular Engineering of D-A Type Copolymers for Efficient Charge Transport in Organic Thin Film Transistors (OTFTs)
PO12	Nidhi Asthana	PO-11-ASTHANA	Structural and ionic study of PVdF-Flyash polymer composite Electrolyte for LW material in device application
PO13	Nur Azrini Ramlee	PO-12-RAMLEE	Characterization of structural, morphological and physicochemical properties of PEC/PLA blends
PO14	Park Jeonghun	PO-13-PARK	Synthesis and photovoltaic properties of organic optoelectronic materials with extended π -conjugate structure
PO15	Sung Min Jae	PO-14-SUNG	Understanding structure–property relationships in all-small-molecule solar cells
PO16	Lee Dong Wook	PO-15-LEE	Synthesis and characterization of NDI-based small molecule for organic field-effect transistors
PO17	Nur Nadirah Baharudean	PO-16-BAHARUDEAN	Characterization of polymer electrolytes based on polyacrylonitrile/methylcellulose embedded with lithium iodide
PO18	Cheon Hyungjin	PO-21-CHEON	Development of Orange Iridium (III) Complexes for Solution-Processable Organic Light-Emitting Diodes
PO19	Aznurul Saleha Mohamed	PO-22-MOHAMED	Structural and electrical characteristics investigation of chitosan-based polymer blend incorporated with NH_4SCN as dopant salt
PO20	Yeon Hee Ha	PO-23-YEON	Development of NDI-based Non-Fullerene Acceptors for Solar Cell
PO21	Patel Neel Bharatbhai	PO-74-PATEL	Suryabijam: An Multifunctional Automated Solar Seed Sower
PO22	Eglantina Benavente	PO-24-BENAVENTE	Enhanced photocatalytic activity of nanocomposite hybrid 2D ZnO sensitized with Cu_2O nanoparticles
PO23	Agnieszka Pawlicka	PO-25-PAWLICKA	Synthesis and characterization of solid polymer electrolyte based on gum arabic with poly(vinyl alcohol)
PO24	Agnieszka Pawlicka	PO-26-PAWLICKA	Dielectric properties of solid polymer electrolyte based on gum arabic with poly(vinyl alcohol)
PO25	Faridah binti Sonsudin	PO-27-SONSUDIN	Esterification of guar gum and its effect on swelling property
PO26	Ahmad Salihin Samsudin	PO-28-	Producing a favourable ionic mobility based on CMC/ κ -carrageenan

		SAMSUDIN	derivative hybrid solid bio-polymer electrolytes system
PO27	Maria Manuela Silva	PO-29-SILVA	Starch-gellan gum nanocomposite hydrogels for use in agriculture
PO28	Maria Manuela Silva	PO-33-PEREIRA	<i>Bombyx mori</i> silkworm cocoon separators for lithium-ion batteries
PO29	Maria Manuela Silva	PO-60-SILVA	Chitosan-based electrolytes containing carbon nanotubes
PO30	Norfatihah Mazuki	PO-31-MAZUKI	Study on electrochemical properties of CMC/PVA doped NH ₄ Br electrolytes system as application for EDLC
PO31	Mohd Fakhrul Zamani Abdul Kadir	PO-49-KADIR	Transport investigation via FTIR deconvolution method of H ⁺ ion conductor based on dextran from <i>Leuconostoc mesenteroides</i>
PO32	Nada Ali A Masmali	PO-45-MASMALI	Quantum dot sensitized solar cells using ZnO/ZnFe ₂ O ₄ /CdS/CdSe as a photoanode
PO33	Diyana Hambali	PO-48-HAMBALI	Magnesium (II) bis(trifluoromethanesulfonimide) doped PVdC-co-AN gel polymer electrolytes for rechargeable batteries
PO34	Arbaoui Abdezzahid	PO-53-ARBAOUI	Monolayer growth of Au on Cu(110) by kinetic Monte Carlo method
PO35	Arbaoui Abdezzahid	PO-81-ARBAOUI	Temperature effect on charge density wave-free carriers interaction
PO36	Nur Khuzaimah Farhana Abd Aziz	PO-54-FARHANA	Enhancing the performance of dye-sensitized solar cells by incorporating synthesized copper(II) oxide nanoparticle towards gel polymer electrolytes
PO37	Jeon Sungwoo	PO-52-JEON	Highly efficient ionizing materials base on tungsten filaments decorated with metal oxides
PO38	Siti Nor Farhana Yusuf	PO-75-YUSUF	Cobalt metal-organic framework derived asymmetric supercapacitor
PO39	Nam Jeong-Seok	PO-100-NAM	Synthesis of hollow silica spheres for fluorescentic application
PO40	Nurul Alisa Yasmin Mohammad Razamin	PO-104-RAZAMIN	Polycaprolactone-based quasi-solid polymer electrolyte for dye-sensitized solar cells
PO41	Yoon Kim	PO-59-KIM	Synthesis and characterization of polymer hybrid nanoparticles containing inorganic material
PO42	Angulakshmi Natarajan	PO-65-ANGULAKSHMI	Charge-discharge studies on MnO ₂ -rGO sulfur composite cathode for lithium sulfur batteries
PO43	Muchlis Fajar Hidayat	PO-57-HIDAYAT	The effect of Mn doping on nanostructure, morphology and optical properties of Mn _x Fe _{3-x} O ₄ -PEG/PVP/PVA based ferrogel
PO44	Farah Juliana Juni	PO-78-JUNI	Investigation of pseudocapacitive behavior in cobalt-2,6-

			naphthalenedicarboxylic acid metal-organic framework (MOF) as electrode materials for supercapacitor application
PO45	Thisaru Nissanka	PO-62-NISSANKA	Poly(methyl methacrylate) (PMMA) based polymer electrolyte with ternary iodides for high efficient quasi-solid-state dye sensitized solar cells
PO46	Ahmad Faris Mohd Adnan	PO-80-ADNAN	Performance of N-phthaloychitosan/ammonium triflate salt as proton exchange membrane in microbial fuel cell under acidic fermentation conditions
PO47	Shahan Shah	PO-47-SHAH	Comparing dye-sensitized solar cells (DSSC) cell performance using liquid and gel polymer electrolytes
PO48	Lee Yap Chen	PO-38-LEE	Poly(acrylamide-co-acrylic acid) based gel polymer electrolyte for quasi-solid-state quantum dot-sensitized solar cells
PO49	Marziyeh Alinejad	PO-44-BURAIDAH	Characteristics of acetonitrile extracted colourant from <i>Crocus sativus</i> (saffron) for dye sensitized solar cells
PO50	Han Zhang	PO-69-HAN	CdS nanoparticles supported on 2D MoS ₂ nanosheet as novel mixed-dimensional photocatalyst and its hydrogen evolution performances
PO51	Woo Haw Jiunn	PO-70-WOO	Solid-state polymer electrolytes based on NaX (X:TFSI, CF ₃ SO ₃ , NaClO ₄ , NaPF ₆) with high electrochemical stability

19 June 2019 (Wednesday)
5.30 – 6.30 pm

No.	Presenter Name	ID No.	Title of Presentation
PO52	Je Hwan-Il	PO-08-JE	Tuning of DTBDT End Group for Organic Solar Cells
PO53	Jiang Yifei	PO-92-JIANG	Synthetic Approach for Enhancing Semiconductor Properties of Water-Borne DPP-Copolymer
PO54	Sun Cheng	PO-17-SUN	High-performance ambipolar benzodifurandione-based donor-acceptor copolymer with balanced hole and electron mobility
PO55	Kim Hyun-woo	PO-18-KIM	Synthesis of environmental-friendly DPP-Based polymer
PO56	Kim Na Yeong	PO-55-KIM NY	Synthesis and characterization of heptafluorosulfonyl-substituted

			iridium complexes for blue phosphorescent organic light emitting diodes
PO57	Kim Ji Hye	PO-19-KIM	Morphology driven by molecular structure of thiazole based polymers
PO58	Li Jiaqiang	PO-93-LI	Synthesis and characterization of highly soluble phenanthro[1,10,9,8-c,d,e,f,g]carbazole-based polymer: - Influences of thermal treatment on charge carrier mobility and crystalline order
PO59	Li Yifan	PO-20-LI	A New dithienopyridine-based polymer for OTFT and OPV
PO60	Keunjin Lee	PO-94-LEE	Small Molecule Bulk Heterojunction Small Molecule Solar Cells
PO61	Sandra Fuentes Villalobos	PO-30-FUENTES	Synthesis of BaTiO ₃ @ZnO:YB core-shell composite nanoparticles
PO62	Sandra Fuentes Villalobos	PO-95-FUENTES	Titanium oxide-coated copper nanoparticles: Synthesis, coating and biocidal activity
PO63	Sandra Fuentes Villalobos	PO-34-CORREA	Hybrid films of nanoparticles of copper zero [NPS-Cu(0)] and polimeros obtained by spray pirolisis with antibacterial activity
PO64	Khairul Bahiyah Md Isa	PO-32-MD ISA	Ionic conductivity and infrared studies of polyacrylonitrile:succinonitrile plastic crystal polymer electrolytes
PO65	Lisani Othman	PO-41-OTHMAN	Studies on the thermal, structural, morphological and electrochemical properties of Al-doped manganese oxide based cathode materials
PO66	Jaysingh Jadheea	PO-35-JADHEEA	Study of metabolic fingerprint of water hyacinth as a potential for economic and ecological benefits in Mauritius
PO67	Ileana Rau	PO-37-RAU	Biological properties of biomaterial obtained from <i>Syzygium aromaticum</i>
PO68	Ileana Rau	PO-96-RAU	Effect of <i>Melaleuca alternifolia</i> bioproduct on acute monocytic leukemia cells line
PO69	Ileana Rau	PO-73-RAU	Lipo-nanosilver composites biogenerated using <i>Artemisia abrotanum</i> L. aqua extract
PO70	Lee Gyeong Seok	PO-36-LEE	New fused pyrrolopyridine copolymers for organic solar cell
PO71	Mohd Zieauddin Kufian	PO-89-KUFIAN	Direct hydrothermal route of standalone LiMn ₂ O ₄ to suppress

			cycling instability at high cut-off potential
PO72	Nurul Najla Samsun Baharun	PO-76-BAHARUN	AC conductivity of sodium-carboxymethylcellulose (NaCMC) based polysulphide solid polymer electrolytes
PO73	Mohd Hamdi Ali@Buraidah	PO-71-BURAIDAH	Electrical properties of poly(acrylamide-co-acrylic acid)/sodium carboxymethylcellulose (PAAC:Na-CMC) based polysulphide solid polymer electrolytes
PO74	Teo Li Ping	PO-72-TEO	Effect of electron irradiation on ionic conductivity of Ppoly(vinylidene) (PVdF)-based polymer electrolytes
PO75	Chen Yuncai	PO-68-CHEN	Cage-like PB as cathode materials for SIBs with high electrochemical performance
PO76	Ahmad Syahmi Abdul Rahim	PO-39-RAHIM	LiNi _{0.5} Mn _{1.5} O ₄ cathode material prepared by sol-gel method for lithium-ion batteries
PO77	Nurhidayu Haji Harudin	PO-42-HARUDIN	Strontium doping effects on the structural and electrochemical properties of MgMn _{2-x} Sr _x O ₄ cathode materials for Mg ion batteries
PO78	Marina Talib	PO-43-TALIB	The development glycopolymer using microstereolithography technique for tissue engineering application
PO79	Nadia Nabihah Mohd Yusof Chan	PO-61-CHAN	Organic multi-band emission based on single excitation source
PO80	Nurul Hazierah Kamaruddin	PO-40-KAMARUDDIN	Characterization of natural rubber/graphene composite by solution mixing method
PO81	Nitin Tukaram Shelke	PO-102-SHELKE	Growth of CdSe nanocrystalline thin films for superior photodetector application
PO82	Muhammad Dzul Ifraan Ab Rahman	PO-101-IFRAAN	Solubilization of reduced graphene oxide by grafting on poly(2-methyl-2-oxazoline)
PO83	Lidya Sulaiman	PO-46-SULAIMAN	The effect of microcrystalline cellulose (MCC) on coating paint film's surface performance as non-stick coating
PO84	Nadiya Miftachul Chusna	PO-56-CHUSNA	Preparation and characterization of magnetic ink Mn _{0.25} Fe _{2.75} O ₄ @PANI with CMC/PVA hydrogels as binder
PO85	Iling Aema Wonnie Ma	PO-97-MA	Development of biopolymer epoxy-based anticorrosion composite coating
PO86	Nurul Ilham Adam	PO-98-ADAM	Enhancement of physical and electrochemical properties of bio-based cationic polyurethane via addition different weight percent

			of sodium triflate
PO87	Shameer Hisham	PO-58-HISHAM	Functionalisation of PMMA-based Coating with Photoswitchable Azo Dyes for Reversible Surface Polarity
PO88	Amnani Abu Bakar	PO-50-BAKAR	Dielectric studies of triethyl-[10-[10-(triethylammonio)decyl-disulfanyl]decyl] ammonium; dibromide as a self-assembled monolayer end-functionalized cation detecting sodium dodecyl sulphate
PO89	Pavel A. Troshin	PO-90-TROSHIN	New conjugated polymers and organic solar cells for indoor applications
PO90	Pavel A. Troshin	PO-91-TROSHIN	Conjugated and non-conjugated polymers as stabilizing additives improving operation stability of perovskite solar cells
PO91	Nurul Faiezin Zul	PO-99-ZUL	Physicochemical investigations of self-aggregations alkylated triazolyl benzoate
PO92	Sanjay R Kale	PO-63-KALE	Synthesis and characterization of rare earth doped Y_2O_3 phosphor material
PO93	Nubailah Abd Hamid	PO-66-HAMID	Influence of Ni-Ti ratio on the reversible austenite martensite transformation to optimize performance behaviour of smart reinforced concrete beam hybrid with pseudo elastic NiTi shape memory alloy subjected to monotonic response
PO94	Suresh Thanakodi	PO-88-SURESH	Solid terpolymer electrolyte based on poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) incorporated with lithium triflate salt for EDLC
PO95	Marta Dudek	PO-67-DUDEK	Hybrid systems based on photoresponsive molecules and biomaterials
PO96	Vengadaesvaran Balakrishnan	PO-103-VENGADAESVARAN	Hydrothermal synthesis of pure layered $Li[Li_{0.2}Ni_{0.2}Mn_{0.6}]O_2$ from hollow MnO_2 precursors for high energy density lithium ion batteries
PO97	T.Maheshwari	PO-85-MAHESHWARI	Proton ion conducting biopolymer electrolyte based on Dextran-PVA
PO98	Kasun Bandara Senanayake	PO-64-SENANAYAKE	Composite photo-anodes based on TiO_2 and V_2O_5 for photo-electrochemical solar cells
PO99	Atikah Husna Abdul Rahim	PO-79-RAHIM	Synthesis of Ni/Mg based ZIFS for fabrication of high performance supercapacitors

PO100	Syaza Amira Razali	PO-77-RAZALI	Structural and electrochemical properties of nickel cobaltite as electrode for supercapacitor
PO101	Ahmad Bayhaki Sadidarto	PO-81-SADIDARTO	Synthesis of potential antifungal triazole amphiphiles and their molecular docking studies
PO102	Zul Hazrin Zainal Abidin	PO-82-ABIDIN	Optical characteristic of coumarin-Azo dye (CAD) coating paint with difference substituent
PO103	Zul Hazrin Zainal Abidin	PO-83-ABIDIN	Using fluorescent and waterlock-expansion material to detect the potential of corrosion on metal