



Contents

Malaysian Journal of Chemistry
Volume 22(4), 2020

Conduction Mechanism of Chitosan/Methylcellulose/1-Butyl-3 Methyl Imidazolium Bis (Trifluoromethylsulfonyl) Imide (BMIMTFSI) Biopolymer Electrolyte Doped with Ammonium Triflate M. S. M. Misenan and A. S. A. Khiar	1
Effects of Melting Temperature to the Properties of a Ceramic Glaze Mohd Al Amin Muhamad Nor, Noor Asliza Ismail Adnen, Mohd Aidil Addha Abdullah, And Mohd Zaky Noh	14
Ferrocene-Modified Polybenzimidazole Membrane with Enhanced Proton Conductivity Nor Arbani Sean, Leaw Wai Loon, Ebrahim Abuzari-Lotf and Hadi Nur	20
Environmentally Friendly Recovery and Characterization of Waste Lubricating Oil using acid with Spent Bleaching Earth S. M. Anisuzzaman, Duduku Krishnaiah, Emma Suali and Daarshini Kumaran	28
Facile Preparation of Two-Dimensional Sheet-Like Tin Disulfide Juan Matmin, Fazira Ilyana Abdul Razak, Susilawati Toemen and Mohamad Shazwan Shah Jamil	43
Synthesis and Molecular Docking Studies of Pyrano[2,3-c] Pyrazole-3-Carboxylates as Potential Inhibitors of <i>Plasmodium Falciparum</i> Mohd Asyraf Shamsuddin, Nur Hanis Zakaria, Mohd Fazli Mohammat, Jufriзал Syahri, Jalifah Latip & Nurul Izzaty Hassan	52
Synthesis and Nuclear Magnetic Resonance Studies of 2-Thiophenecarboxaldehyde Nicotinic Hydrazone and 2-Thiophenecarboxaldehyde Benzhydrazone Jyothy G Vijayan	62

Effect of Absorbed Radiation Dose on the Mechanical Properties of Kenaf Fibers	72
Sarala Selambakkannu, Nor Azillah Fatimah Othman and Tuan Amran Tuan Abdullah	
Phytochemical and Biological Activity Studies of The Leaves of <i>Garcinia hombroniana</i> Pierre	81
Nadia Rosli, Melati Khairuddean and Zuhair Jamain	
Interleaving of 2,4-Dichlorophenoxyacetate Acid into Calcium-Aluminium-Layered Double Hydroxide by Comparison of Co-Precipitation and Ion Exchange Methods	103
Fatin Haizira Mohd Hayazi, Nurain Adam, Nur Nadia Dzul kifli, Muhammad Alinsan Kamil Mukamil Hamzah, Monica Limau Jadam, Siti Halimah Sarijo and Sheikh Ahmad Izaddin Sheikh Mohd Ghazali	
Assessment of Heavy Metals in Roadside Soil Samples in Zawia City, Libya	110
Ragiab A. M. Issa, Abtisam S. A. Aljarmi, Faraj A. Almoudi, Hana B. AlHanash, Mabroukah M. Hamzah, Ruqayah M. A. Kesheem and Nurdeen M. ElKemjaje	
Antioxidant and Antibacterial Properties of Melastomataceae Species (<i>M. Malabathricum</i>, <i>M. Hirta</i>, and <i>M. Decemfidum</i>)	117
Siti Salwa Abd Gani, Nur Fauwizah Azahar, Uswatun Hasanah Zaidan, Paiman Bawon and Mohd Izuan Effendi Halmi	
Synthesis and Characterization of Hexasubstituted Cyclotriphosphazene Derivatives with Azo Linking Units	125
Zuhair Jamain, Melati Khairuddean, Miyeko Lotus Loh, Nur Liyana Abdul Manaff and Mohamad Zul Hilmey Makmud	
Direct Arylation Polymerization Toward a D-A Type Copolymer Based on Carbazole and Benzothiadiazole Units - an Analogue of PCDTBT	141
Mohd Sani Sarjadi, Xin Lin Wong, Farah Hannan Anuar, Zuhair Jamain and Md. Lutfor Rahman	