

- Nano and Advanced Materials Analysis** 480-488
1. THE CONVERSION OF CELLULOSE TO GLUCOSE USING NOBLE METAL PLATINUM SUPPORTED ON ZEOLITE
Puteri Nurain Syahirah Megat Muhammad Kamal, Nor Farisha Farhana Mohd Zaid, and Amin Safwan Alikasturi
- Organic and Inorganic Analysis**
2. SYNTHESIS AND MODELLING OF FUNCTIONALIZED UiO-66 METALORGANIC FRAMEWORKS FOR GAS ADSORPTION 489-499
Tuan Nurul Azura Tuan Kob@Yaakub, Mohd Basyaruddin Abdul Rahman, Felipe Gandara, and Muhammad Alif Mohammad Latif
- Nano and Advanced Materials Analysis**
3. NANOCRYSTALLINE CELLULOSE EXTRACTED FROM DISCARDED CIGARETTE BUTTS 500-511
Muhammad Hafiz Azlan, Khairatun Najwa Mohd Amin, and Noraziah Abu Yazid
- Organic and Inorganic Analysis**
4. SYNTHESIS AND CHARACTERISATION OF REUSABLE PVA-SODIUM ALGINATE-Ni CATALYST IN HECK REACTION 512-521
Norul Azilah Abdul Rahman, Nurul Afiqah Mohd Haris, Karimah Kassim, Mazni Musa, and Nur Rahimah Said
- Environmental Analysis**
5. METHANOGEN INHIBITOR EFFECT ON ANAEROBIC DEGRADATION OF 1,2-DICHLOROETHANE BY SUNGAI ULAR SEDIMENT 522-529
Nur Intan Shaheera Nuralhuda, Muhammad Haikal Muhaimin Ariza Fattah, Nur Kholis Zulkifli, and Siti Hatijah Mortan
- Computational Analysis**
6. INVESTIGATIONS ON THE INCLUSION OF BETULINIC ACID INTO CDMOF-1 PERFORMED BY QUANTUM MECHANICS CALCULATIONS AND MOLECULAR DOCKING SIMULATION 530-542
Saurelle Kenfack Tiofack, Mostafa Yousefzadeh Borzehandani, Patrice Kenfack Tsobnang, Muhammad Alif Mohamad Latif, Bimo Ario Tejo, Haslina Ahmad, Jean Ngoune, and Mohd Basyaruddin Abdul Rahman
- Nano and Advanced Materials Analysis**
7. UNVEILING THE IMPACT OF BACTERIAL CELLULOSE DERIVED FROM NATA DE COCO AND SORBITOL ON BIOCOMPOSITE FILM PROPERTIES FOR POTENTIAL FOOD PACKAGING 543-554
Sharifah Fathiyah Sy Mohamad, Nur Fikriyah Yaacob, and Intan Anak Ekong
- Organic and Inorganic Analysis**
8. GLYCEROL ACETYLATION INTO ACETINS OVER SnO₂-BASED BIMETALLIC OXIDE CATALYST 555-568
Ain Arisya Azami, Irmawati Ramli, Shera Farisya Mohamad Rasid, Muhammad Shamirul Khairul Lail, Mohd Rafein Zakaria, and Sarwat Iqbal

Environmental Analysis

9. MICROPLASTIC POLLUTION IN MALAYSIA: STATUS AND CHALLENGES - A BRIEF OVERVIEW 569-585
Nurul Shahfiza Noor, Noorfatimah Yahaya, Nur Nadhirah Mohamad Zain, Nik Nur Syazni Nik Mohamed Kamal, Mohd Syahir Mansor, Mohd Yusmaide Aziz, and Maisarah Nasution Waras

Organic and Inorganic Analysis

10. SYNTHESIS AND MOLECULAR DOCKING SIMULATION OF CINNAMIC ACIDS DERIVATIVES 586-602
AGAINSTS DENV2 NS2B/NS3
Nadia Mohamed Yusoff, Siti Nor Khadijah Addis, Nurul Huda Abdul Wahab, Fauziah Abdullah, and Asnuzilawati Asari

Analytical Method

11. FORMULATION AND EVALUATION OF BODY SCRUB USING PINEAPPLE WASTE AS NATURAL 603-610
EXFOLIATOR
Nur Aisha Ahmi, and Siti Fatimah Sabran

Analytical Method

12. A REVIEW ON CONVERSION OF MICROPLASTICS INTO VALUE-ADDED PRODUCTS: 611-631
CHALLENGES AND PERSPECTIVES
Nurul Mohd Ridzuan Afifah, Jennifer Janani Sathiaselvan, Seng Hon Kee, Tan Suet May Amelia, Wei Yien Lua, Nazli Aziz, Wan Mohd Afiq Wan Mohd Khalik, Sevakumaran Vigneswari, and Kesaven Bhubalan

Analytical Method

13. INNOVATIVE ECO-FRIENDLY WOOD ADHESIVE FORMULATIONS: EXPLORING THE EFFICACY 632-644
OF GELATINIZED CASSAVA STARCH AND POLYVINYL ALCOHOL CROSSLINKED WITH CITRIC ACID
Bima Prasetya Pancasakti, Danang Tri Hartanto, Vincent Sinarta, Masyta Dinda Riani, and Budhijanto

Analytical Method

14. EXPLORING DEEP EUTECTIC SOLVENTS AS A POTENTIAL SOLVENT FOR THE EXTRACTION OF 645-663
FOOD ADDITIVE ALLURA RED IN FOOD TECHNOLOGY APPLICATION
Thanussha Elangovan, Nor Munira Hashim, Nurina Izzah Mohd Husani, Noorfatimah Yahaya, Farhanini Yusoff, and Nur Nadhirah Mohamad Zain

Analytical Method

15. AUTHENTICATION OF CLOVE LEAF OIL IN PRODUCTS (*Syzygium aromaticum* (L.) Merr. & L. 664-680
M. Perry) USING GC-MS AND FTIR METHODS COMBINED WITH CHEMOMETRIC
Any Guntarti, Laela Hayu Nurani, Putri Lestari, Citra Ariani Edityaningrum, Lalu Muhammad Irham, and Abdul Rohman

Organic and Inorganic Analysis

16. SYNTHESIS OF TIN DOPED ZINC OXIDE (TZO) NANOWIRES: EFFECT ON DYE ADSORPTION 681-693
Nur Fairuz Rostan, Mohd Firdaus Malek, Maryam Mohammad, Nurul Zulaikha Mohd Zambri, Nurfatini Atiqrah Khairul Azhar, Zahidah Othman, Kevin Alvin Eswar, Irmaizatussyehdany Buniyamin, Noor Asnida Asli, Mohd Yusri Abdul Rahman, Mohamad Hafiz Mamat and Mohamad Rusop Mahmood

Analytical Method

17. MEMBRANE-PROTECTED MICRO-SOLID PHASE EXTRACTION OF CARCINOGENIC AROMATIC AMINES IN WATER SAMPLES PRIOR TO GC-FID ANALYSIS 694-710
Anjalee Pushpika Patabendi, Mohamad Shariff Shahrman, Hemavathy Surikumaran, Nur Nadhirah Mohamad Zain, Noorfatimah Yahaya, Faizah Mohammad Yunus, Usman Abdullahi Usman, Kavirajaa Pandian Sambasevam, and Muggundha Raoov

Organic and Inorganic Analysis

18. SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF NOVEL THIAZOLIDINEDIONE DERIVATIVES AS EMERGING ANTIDIABETIC AGENTS 711-723
Shaik Munwar, M K Kathiravan, and Ilango K