



Nabeel Hasan Hameed Hussain Al-Mutairi

نبيل حسن حميد حسين المطيري

Lecturer

PROFILE

Bachelor's degree in Non-Metallic Materials Engineering/University of Babylon-2012

Master's degree in Polymer and Composite Materials Engineering/University of Babylon-2018

Ph.D. Polymer Engineering/Polymerization Technologies/2023

ACADEMIC TITLES

2022-06-12

Lecturer

PUBLICATIONS (27)

- Heating rate effect on the thermal properties of thermoplastic polyolefins**
Budownictwo o Zoptymalizowanym Potencjale Energetycznym 13, 71-77, 2024 | 2024 | Cited: 3
- Tribological and rheological behavior of polypropylene blended with different types of slipping additives**
Jurnal Tribologi 42, 71-84, 2024 | 2024 | Cited: 2
- EFFECT OF SOME FILLERS ON THE MECHANICAL PROPERTIES OF BUTYL RUBBER**
European Journal of Research Development and Sustainability (EJRDS) 5 (1), 57-61, 2024 | 2024 | Cited: 1
- Healing Process Affected by Morphology of PCL/Epoxy Blends**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (2), 217-221, 2024 | 2024
- Influence of PVDF additive on the mechanical, morphological properties of TPU for industrial applications**
AIP Conference Proceedings 3229 (1), 070005, 2024 | 2024
- A Review of Intelligent Polymeric Coatings**
Journal of University of Babylon for Engineering Sciences 32 (5), 132-145, 2024 | 2024
- A review of hyperbranched polymers: their history, synthesis methodology and general applications**
Budownictwo o Zoptymalizowanym Potencjale Energetycznym 13, 116-128, 2024 | 2024 | Cited: 1
- Mechanical and Thermal Properties of PP/HDPE Blends Reinforced with ZnO Nanoparticles for Industrial Applications**
International Journal of Nanoelectronics and Materials (IJNeaM) 17 (3), 479-486, 2024 | 2024 | Cited: 4
- Assessing raw material efficiency and waste management for Sustainable Development: A VIKOR and TOPSIS Multi-Criteria Decision Analysis**
Production Engineering Archives 30, 2024 | 2024 | Cited: 10
- Tribological behavior of epoxy/nano-clay nanocomposites used as a floor coating**
Journal of Adhesion Science and Technology 38 (23), 4299-4315, 2024 | 2024 | Cited: 10
- STUDYING THE MECHANICAL PROPERTIES OF TIRE RUBBER BEFORE AND AFTER CONSUMPTION**
European Scholar Journal (ESJ) 5 (1), 1-3, 2024 | 2024
- Preparation and Characterization of a Novel Hyperbranched Polyester Polymers Using A2+B3 Monomers**
Production Engineering Archives | 2023 | Cited: 6
- Strain rate effect on the mechanical properties of thermoplastic polyolefin**
*Construction of Optimized Energy Potential Budownictwo o Zoptymalizowanym ... *, 2023 | 2023 | Cited: 4

CONTACT

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EDUCATION

دكتوراه (10-03-2023)

Polymer and Composite Material

Babylon University

RESEARCH METRICS

h-index (Scopus)	5
h-index (GS)	8
Citations (Scopus)	49
Citations (GS)	167
Documents (Scopus)	16
Documents (GS)	27

PATENTS

- Preparation of natural and synthetic polymeric mixtures for eye moisturizing
- Preparation of highly branched polymers to improve the degradability of polypropylene

RESEARCH INTERESTS

- Polymers/Polymer Blends/Polymerization Process



14. **Investigate the Effect of Temperature Change on the Properties of the PP/CaCO₃ Composites: A Comparative Study**
Al-Mustaqbal Journal of Sustainability in Engineering Sciences 1 (2), 1, 2023 | 2023 | Cited: 2
15. **The Biodegradation and the Rheological Properties of Polypropylene/Hyperbranched Polyester Blends for Industrial Applications**
Materials Research Proceedings 34, 2023 | 2023 | Cited: 3
16. **Mechanical properties and wear behavior of polypropylene/hydroxyapatite nanocomposite**
Egyptian Journal of Chemistry 65 (10), 657-665, 2022 | 2022 | Cited: 9
17. **Hyperbranched Polyester Polymer Preparation and Study Its Effect on Some Properties of Polypropylene**
Egyptian Journal of Chemistry 65 (8), 35-43, 2022 | 2022 | Cited: 11
18. **SHEAR THICKENING FLUIDS (STFS); DEFINITION, THE AFFECTING FACTORS, AND THEIR GENERAL APPLICATIONS: A REVIEW**
JournalNX- A Multidisciplinary Peer Reviewed Journal 8 (5), 74-79, 2022 | 2022 | Cited: 1
19. **Nanocomposites Materials Definitions, Types and Some of Their Applications: A Review**
European Journal of Research Development and Sustainability 3 (2), 102-108, 2022 | 2022 | Cited: 56
20. **Some Methodes for Measurements of Polymer Degradation: A Review**
Journal of University of Babylon for Engineering Sciences 29 (2), 99-114, 2021 | 2021 | Cited: 8
21. **Characteristic of low-density polyethylene reinforcement with nano/micro particles of carbon black: a comparative study**
Archives of Materials Science and Engineering 110 (2), 49-58, 2021 | 2021 | Cited: 18
22. **The impact of composition dependent and process-related properties in the laser cutting of metallic glassy tapes**
Production Engineering Archives 23, 2019 | 2019 | Cited: 3
23. **compatibility improvement of LDPE/PVA blend by the addition of glycerin**
Journal of Engineering Science and Technology Review 2 (8), 1134-1148, 2018 | 2018
24. **Miscibility improvement of LDPE/PVA blends by using silane-coupling agent**
Journal of University of Babylon, Engineering Sciences 26 (3), 98-109, 2018 | 2018 | Cited: 3
25. **Miscibility Improvement of LDPE/PVA Blends with Maleic Acid Additions**
IOP Conference Series: Materials Science and Engineering 433 (1), 012074, 2018 | 2018 | Cited: 10
26. **LDPE/PVA blends miscibility improvement by maleic acid addition**
AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES 11 (12), 68-80, 2017 | 2017
27. **Effect of Graphite on the Properties of Natural Rubber**
Journal of Babylon University 24 (3), 617-624, 2016 | 2016 | Cited: 2