



CURRICULUM VITAE



DR. NUR IZZAH NABILAH HARIS

Department of Chemical and Environmental Engineering, Faculty of Engineering, Universiti Putra Malaysia. 43400 Serdang, Selangor.

Tel. : +60146572248
E-mail : izzahnabilah@upm.edu.my
ORCID : <https://orcid.org/my-orcid?orcid=0000-0002-0710-0915>
Google Scholar : Nur Izzah Nabilah (H-index = 6)
ResearchGate : Nur Izzah Nabilah

Education

- Ph.D. Chemical Engineering, 2021, Universiti Putra Malaysia, Serdang, Selangor, Malaysia
- B.E. Engineering (Chemical), 2017, Universiti Putra Malaysia, Serdang, Selangor, Malaysia

Research Interest

- Materials engineering
- Electrochemical Engineering
- Biochemical Engineering
- Life-cycle Assessment
- Carbon Accounting

Professional Membership & Learned Society

- Board of Engineers Malaysia (BEM)
- Malaysia Board of Technologists (MBOT)

Appointments

- | | |
|---|----------------|
| • Senior Lecturer, Dept. of Chemical and Environmental Engineering, UPM | 2024 – to date |
| • Post Doctoral Researcher, Institute of Ecosystem Science Borneo, UPMKB | 2023 – 2024 |
| • Post Doctoral Researcher, Inst. of Sustainable and Renewable Energy, UNIMAS | 2022 – 2023 |
| • Lecturer (Part Time), Fac. of Cognitive Sciences & Human Dev., UNIMAS | 2022 – 2023 |
| • Research Assistant, Research Centre for Nanomaterials and Energy Technology (RCMNET), Sunway University | 2021 |
| • Research Assistant, Faculty of Engineering, UTM | 2021 |
| • Process Engineer, Shin Etsu (M) Sdn. Bhd., Selangor | 2017 |

Publications

- MH Wondi, **NIN Haris**, R Shamsudin, R Yunus, MM Ali, AH Iswardi. Development and testing of an oil palm (*Elaeis guineensis* Jacq.) fruit digester process for kernel free in crude palm oil production. *Industrial Crops and Products*. 2024. 208, 117755. **(JCR IF: 5.9)**
- MH Wondi, R Shamsudin, R Yunus, MS Mohd Basri, M Mohd Ali, **NIN Haris**. Design of a separator machine for oil palm fruit mesocarp and nut using computer-aided design and linear finite element analysis. 2023. 45. e14457 **(JCR IF: 3.0)**

-
- N Mohd Thani, M Mohamad Mazlan, **NIN Haris**, MH Wondi. Oat thermoplastic starch nanocomposite films reinforced with nanocellulose. 2023. **Scopus**
 - **NIN Haris**, MZ Hassan, RA Ilyas, MA Suhot, SM Sapuan, R Dolah. Dynamic mechanical properties of natural fiber reinforced hybrid polymer composites: A review. Journal of Materials Research and Technology. 2022. 19. 167-182 (**JCR IF: 6.4**)
 - **NIN Haris**, MZ Hassan, RA Ilyas. Crystallinity, chemical, thermal, and dynamic mechanical properties of rice husk/coco peat fiber reinforced ABS biocomposites. Journal of Natural Fibers. 2022. 19. 13753-13764 (**JCR IF: 3.5**)
 - RA Ilyas, SM Sapuan, MS Ibrahim, MH Wondi, MNF Norrrahim, MM Harussani, HA Aisyah, MA Jenol, Z Nahrul Hayawin, MSN Atikah, R Ibrahim, SOA SaifulAzry, CS Hassan, **NIN Haris**. Policy and environmental aspects of oil palm biomass in *Oil Palm Biomass for Composite Panels: Fundamentals, Processing, and Applications*, 2022. 339-351. **Scopus**
 - RA Ilyas, SM Sapuan, MS Ibrahim, MH Wondi, MNF Norrrahim, MM Harussani, HA Aisyah, MA Jenol, Z Nahrul Hayawin, MSN Atikah, R Ibrahim, SOA SaifulAzry, CS Hassan, **NIN Haris**. Classification and application of composite panel products from oil palm biomass in *Oil Palm Biomass for Composite Panels: Fundamentals, Processing, and Applications*, 2022. 217-240. **Scopus**
 - RA Ilyas, SM Sapuan, MS Ibrahim, MH Wondi, MNF Norrrahim, MM Harussani, HA Aisyah, MA Jenol, Z Nahrul Hayawin, MSN Atikah, R Ibrahim, SOA SaifulAzry, CS Hassan, **NIN Haris**. Introduction to oil palm biomass in *Oil Palm Biomass for Composite Panels: Fundamentals, Processing, and Applications*, 2022. 3-38. **Scopus**
 - NKH Ismail, S Sobri, **NIN Haris**. Corrosion Inhibition of Mild Steel By Cassava Peel Powder In Hydrochloric Acid Medium. Journal of Applied Science and Engineering. 2022. 26. 269-278. **Scopus**
 - **NIN Haris**, RA Ilyas, MZ Hassan, SM Sapuan, A Afdzaluddin, KR Jamaludin, SA Zaki, F Ramlie. Dynamic Mechanical Properties and Thermal Properties of Longitudinal Basalt/Woven Glass Fiber Reinforced Unsaturated Polyester Hybrid Composites. Polymers. 2021. 13. 1-14. (**JCR IF: 5.0**)
 - **NIN Haris**, S Sobri, YA Yusof, NK Kassim. Innovative Method for Longer Effective Corrosion Inhibition Time: Controlled Release Oil Palm Empty Fruit Bunch Hemicellulose Inhibitor Tablet. Materials. 2021. 14. 5657 (**JCR IF: 3.4**)
 - **NIN Haris**, S Sobri, YA Yusof, NK Kassim. An overview of molecular dynamic simulation for corrosion inhibition of ferrous metals. Metals. 2020. 11. 46 (**JCR IF: 2.9**)
 - **NIN Haris**, S Sobri, YA Yusof, N Kassim. Oil palm empty fruit bunch extract and powder as an eco-friendly corrosion inhibitor for mild steel: A comparison study. Materials and Corrosion. 70. 2326-2333 (**JCR IF: 2.097**)
 - **NIN Haris**, S Sobri, YA Yusof, N Kassim. Oil palm empty fruit bunch extract as green corrosion inhibitor for mild steel in hydrochloric acid solution: Central composite design optimization. Materials and Corrosion. 70. 1111-1119 (**JCR IF: 2.097**)

Conference Proceedings/Academic Talks

- MH Wondi, **NIN Haris**, SR Manaf, MN Sulaiman, MS Abu Talip. Three-dimensional augmented reality: a transformative tool for enhancing machinery teaching and learning. International Teaching Aid Competition 2023 (iTAC2023). UiTM, Malaysia, 2023
- **NIN Haris**, S Sobri, YA Yusof. Gravimetric analysis of chemically treated oil palm empty fruit bunch powders as corrosion inhibitor. AIP Conference Proceedings. 2021. **Scopus**

Intellectual Property

- **NIN Haris**, S Sobri, Yusof YA, N Kassim. Controlled release oil palm empty fruit bunch corrosion inhibitor tablet (PALMTAB). Copyright, Certified, CRLY2022Q04074
-

Research Grants

- Bacterial nanocellulose production from Sarawak local commodity resources; sago liquid waste, nipa palm sap, and coconut water using *komagataeibacter xylinus* **(Member)** GP-IPM 2023–2025 RM30,000

Professional Services (Journal Reviewer, Editorial Works, etc.)

- **Editorial board member/Review editor**
Frontiers in Materials (Polymeric and Composite Materials) 2022-to date

Teaching Experience

- Engineering Mathematics
- Chemical Safety
- Chemical Engineering Laboratory