



KARIMAH KASSIM

B. Sc.(Chemistry) UKM, Malaysia

M.Sc. (Inorganic Chemistry) UKM, Malaysia

Ph.D. (Coordination Chemistry) UiTM, Malaysia

Current roles and responsibilities:

1. Researcher, Centre for Nanomaterials Research, Institute of Science
2. Senior Lecturer, Faculty of Applied Sciences

Honors Awards & Showcase:

1. Silver Award in Invention, Innovation & Design Exposition 2016 (IIDEX 2017)
2. Bronze Award in Invention, Innovation & Design Exposition 2016
3. Bronze Awards in International Innovation, Design and Articulation 2013 (i-IDEA 2013)

Credentials (IOS Researcher)

Selected Journals & Publications

- **Karimah,K.,** Muhamad,A.H.,(2018),Green Synthesis and Antimicrobial Studies of Ni(II) and Zn(II) Dinuclear Schiff Base Complexes, International Journal of Engineering & Technology, 7,3.11,237-240
- Ahmad, A., Razali, M.H., **Kassim, K.,** Amin, K.A.M, Mamat,M.,(2018) Physiochemical properties of TiO₂ nanoparticle loaded APTES-functionalized MWCNTs composites and their photocatalytic activity with kinetic study, Arabian Journal of Chemistry, <https://doi.org/10.1016/j.arabjc.2018.07.009>
- Ahmad, A., Razali, M.H., **Kassim, K.,** Amin, K.A.M.,(2017) Synthesis of Multiwalled carbon nanotubes supported on M/MCM-41 (M=Ni, Co and Fe) mesoporous catalyst by chemical vapour deposition method,Porous Material.
- **Karimah, K.** Azwan. M.H.,(2017), Microwave Assisted Synthesis and Characterization of Trinuclear Zinc(II) Schiff Base Complexes Derived from m-phenylenediamine and Salicylaldehyde, Scientific Research Journal, Vol; 14,(1)
- **Karimah,K.,** Nor Zakiah,N.H.,Bohari,.M.Y., Hamizah,Z.,(E)-1-(4-Hydroxybenzylidene)-4-methylthiosemicarbazide, ,(2016), ISSN: 2414-3146, IUCrData.
- **Karimah,K.,** Noor Khadijah M.K., Adibatul, H F., Synthesis, Characterization And Electrochemical Studies Of 4-Methoxybenzoylthiourea Derivatives, The Malaysian Journal of Analytical Science.Vol 20,1311-1317

Research Grant

- Synthesis and Inhibitions Effects Study of New Thiosemicarbazone Derivatives on the Corrosion of Mild Steel in Acidic Medium ,**FRGS Grant -RM 74,000.00**
- Synthesis and Theoretical Study of Newly Designed Polynuclear Heterocyclic Azomethine Complexes derived from Benzyldiamine as Potential Bioinorganic Agents, **FRGS Grant -RM 90,000.00**
- Synthesis And Corrosion Inhibition Studies In Acidic Media Of Primary And Secondary Thiourea Derivatives, **RAGS Grant – RM 53,000.00**
- Organocatalytic Metal Organic Frameworks: Synthesis, Thermal Stability and Catalytic Application, **FRGS Grant – RM 70,500.00**
- Synthesis, Characterized and Catalytic Testing of Aminopropylated Porous Silica Material From Power Plant Bottom Ash , **FRGS Grant – RM 90,500.00**
- Electrochemical and Mechanism investigation of conjugated Thiosemicarbazide As Corrosion Inhibitor **FRGS Grant – RM 68,000.00**

Consultancy

- 2013 - Consultant for project FSG-PP Chemicals (Johor)
- 2015 - Invited Scientist (MIMOS)

Articles & Books

- Inorganic Chemistry: Experiments for Undergraduates.