MAISARA ABDUL KADIR

Lecturer
Faculty of Science and Marine Environment
Universiti Malaysia Terengganu

email@umt.edu.my
+609 668 3294/3366 / +6016 7760274
+609 668 3193

QUALIFICATIONS

- Doctor of Philosophy (Coordination Chemistry), University of Adelaide
- Master of Science (Chemistry), Universiti Kebangsaan Malaysia
- Bachelor of Science (Chemistry), Universiti Kebangsaan Malaysia

FIELD OF RESEARCH

- Coordination Chemistry
- Supramolecular Chemistry
- Inorganic Chemistry

RESEARCH INTEREST

My research interest particularly falls in the area of inorganic chemistry that is related with the synthesis of coordination polymers, capable of binding with anions. Along with this interest, we develop new molecules in the form of flexible ligands that mimic the character of macrocyles supramolecules, but the ligands that we designed have open chain. By having the open chain, the flexibility of the ligands can be modulated.

RESEARCH PROJECTS

- Synthesis, theoretical evaluations and binding studies of coordination polymers as a potential anion receptor-FRGS
- Synthesis, characterization and kinetic studies of U-shaped Ligand as potential anion receptor-TAPE
- Development of polypyridyl containing amides as potential luminescent probe for detection and separation of pollutant anions in waste water : Towards efficent and selective waste water remediation in Malaysia-FRGS

PROFFESIONAL MEMBERSHIP

- IKM

PUBLICATIONS

Journal Article

1) Azmi, F.A., Asari, A., **Kadir, M.A.,** Andriani, Y., Abdullah, F., Mohamad, H. (**2020**), Synthesis, Characterization and Antibacterial Study of Cinnamic Acid Derivatives, ***Malaysian Journal of Chemistry***, 22(3), 58 – 63, **Q4** (*Scopus Indexed).*

2) Yusof, M.S.M., Mansor, S.M.T., **Kadir, M.A**., Soh, S.K.C. (**2020**). Synthesis, Characterization and Application Studies of 3-Methylbenzoyl Thiourea Derivatives as Organocatalysts, ***Malaysian Journal of Chemistry***, 22(2), 52 – 61, **Q4** (*Scopus Indexed).*

3) **Kadir, M. A**., Abdul Razak, F. I., & Haris, N. S. H. (**2020**). Experimental and DFT data of *p*-chlorocalix[4]arene as drugs receptor, ***Data in Brief***, 32, 106263, **Q4** (*Scopus Indexed*).

4) Draman, R., Yusof, M.S.M., **Kadir, M.A**. (**2020**), DFT Investigation on the Electronic Properties and Intramolecular Hydrogen Bond of *Trans-Cis* and *Cis-Trans* Methyl Substituted *N*-Benzoyl-*N*-(2-pyridyl)thiourea, ***Journal of Science & Technology***, 12(1), 41 – 48.

5) **Kadir, M.A**., Omar, S., Abd Haris, N.S.H., Ramli, R. (**2019**), Synthesis, Structural Elucidation and Anion Binding Studies of Isophthalamide Derivatives as Potential Receptor for Chromate Anions, ***Sains Malaysiana***, 48(7), 1473 – 1481, Q2 (Scopus Indexed)

6) **Kadir, M.A.**, Mansor, N., Osman, M.U., Haris, N.S.H. (**2019**), Spectroscopic data of 6-(N-methyl-pyridin-2-ylcarbamoyl)-pyridine-2-carboxylic acid methyl ester isomers, ***Data in Brief***, 25,104266, **Q1** (*Scopus Indexed*).

7) **Kadir, M.A**., Zulkifli, R.C., Asari, A., Abdul Haris, N.S.H., Ismail, N. (**2019**), Synthesis, characterization and bioassay studies of p-nitroanilide derivatives as potential chromogenic substrate for endotoxin screening, ***Chiang Mai Journal of Science***, 46(3), 558-567, **Q4** (*Scopus Indexed*).

8) Mazidah Mamat, Mohd Aidil Adhha Abdullah, **Maisara Abdul Kadir**, Adila Mohamad Jaafar Eny Kusrini, (**2018**), Preparation of Layered Double Hydroxides With Different Divalent Metals For The Adsorption of Methyl Orange Dye From Aqueous Solutions, ***International Journal of Technology*** (2018) 6: 1103-1111, **Q2,** *(Scopus indexed).*

SUPERVISION

Doctor of Philosophy Degree

Thesis Title	:	Synthesis, theoretical evaluation and binding studies of coordination polymers as a potential anion receptor
Student Name	:	Nafisah Mansor
Role	:	Main SV
Status	:	In progress

Master Degree

Thesis Title	:	Synthesis, theoretical and spectroscopic studies of flexible amide ligand derivatives as a potential anion receptor
Student Name	:	Nur Shuhaila Haryani Abd Haris
Role	:	Main sv
Status	:	in progress

LINKS

http://www.researcherid.com/rid/D-1189-2018

http://orcid.org/0000-0002-0659-8037