

PUBLICATIONS:

1. **Asekunowo, P. O.**, Haque, R. A., Razali, M., Avicor, S. W., & Wajidi, M. F. (2016). Dose-, time- and lipophilicity-dependent silver (I)-N-heterocyclic carbene complexes: Synthesis, characterization and interaction with plasmid and *Aedes albopictus* DNA. *Applied Organometallic Chemistry* (IF: 2.452).
2. Haque, R. A., **Asekunowo, P. O.**, Budagumpi, S., & Shao, L. (2015). Synthesis, Characterization, Crystal Structures, and Catalytic C-C Coupling and Hydrosilylation Reactions of Palladium (II) Complexes Derived from CNC Pincer-Type N-Heterocyclic Carbenes. *European Journal of Inorganic Chemistry* (IF: 2.686). 2015: 3169-3181.
3. **Asekunowo, P. O.**, Haque, R. A., Razali, M. R., & Budagumpi, S. (2015). Benzimidazole-based silver (I)-N-heterocyclic carbene complexes as anti-bacterials: synthesis, crystal structures and nucleic acids interaction studies. *Applied Organometallic Chemistry* (IF: 2.452), 29: 126-137.
4. **Asekunowo, P. O.**, Haque, R. A., & Razali, M. R. (2015). Sterically modulated silver (I) complexes of N-benzyl-substituted N-heterocyclic carbenes: synthesis, crystal structures and bioactivity. *Transition Metal Chemistry* (IF: 1.465) 40: 79-88.
5. Haque, R. A., **Asekunowo, P. O.**, & Budagumpi, S. (2014). Binuclear silver (I) complexes of p-xylyl/2, 6-lutidinyl linked bis-N-heterocyclic carbene ligands: Synthesis, crystal structures and biological evaluation. *Inorganic Chemistry Communications* (IF: 1.762), 47: 56-59.
6. **Asekunowo, P. O.**, & Haque, R. A. (2014). Counterion-induced modulation in biochemical properties of nitrile functionalized silver (I)-N-heterocyclic carbene complexes. *Journal of Coordination Chemistry* (IF: 1.756), 67: 3649-3663. [**Arthur E. Martell Early Career Researcher Prize Winner Award; 2015**]
7. Haque, R. A., **Asekunowo, P. O.**, Razali, M. R. (2014). Synthesis and crystal structures of sterically tuned ether functionalized NHC-silver (I) complexes; Antibacterial and nucleic acid interaction studies. *Journal of Coordination Chemistry* (IF: 1.756), 67: 2131-2147.
8. Haque R.A., **Asekunowo, P. O.**, Razali, M., & Mohamad, F. (2014). NHC-Silver (I) Complexes as Chemical Nucleases; Synthesis, Crystal Structures, and Antibacterial Studies. *Heteroatom Chemistry* (IF: 1.203), 25: 194-204.
9. Haque, R. A., **Asekunowo, P. O.**, Razali, M. R. (2014). Dinuclear silver (I)-N-heterocyclic carbene complexes of N-allyl substituted (benz) imidazol-2-ylidenes with pyridine spacers: synthesis, crystal structures, nuclease and antibacterial studies. *Transition Metal Chemistry* (IF: 1.465), 39: 281-290.

10. Haque, R. A., Iqbal, M. A., **Asekunowo, P.**, Majid, A. A., Ahamed, M. B. K., Umar, M. I., Al-Suede, F. S. R. (2013). Synthesis, structure, anticancer, and antioxidant activity of *para*-xylyl linked bis-benzimidazolium salts and respective dinuclear Ag (I) N-heterocyclic carbene complexes (Part-II). *Medicinal Chemistry Research* (IF: 1.612), 22: 4663-4676.

11. Abiola, O. K., John, M. O., **Asekunowo, P. O.**, Okafor, P. C., & James, O. O. (2011). 3-[(4-amino-2-methyl-5-pyrimidinyl) methyl]-5-(2-hydroxyethyl)-4-methyl thiazolium chloride hydrochloride as green corrosion inhibitor of copper in HNO₃ solution and its adsorption characteristics. *Green Chemistry Letters and Reviews* (IF: 1.512), 4: 273-279.

12. Abiola, O. K & **Asekunowo, P. O.** (2010). 3-[(4-amino-2-methyl-5-pyrimidinyl) methyl]-5-(2-hydroxyethyl)-4-methyl thiazolium chloride hydrochloride: An eco-friendly corrosion inhibitor for aluminium in alkaline solution. *Journal of Engineering Research, Unilag*, 15: 20-24.

Conferences:

Rosenani A. Haque, **Patrick O. Asekunowo**, Razali R. Mohd. Synthesis, characterization and biological evaluations of Palladium(II) complexes derived from CNC pincer-type *N*-heterocyclic carbenes. International Conference on pure and applied chemistry (ICPAC): Emerging Trends in Chemical Sciences. Mauritius, July 18-22, 2016.

Patrick O. Asekunowo and Rosenani A. Haque (2014). Synthesis, structure and bioactivity of new silver(I)-*N*-heterocyclic carbene complexes derived from functionalized/non-functionalized benzimidazol-2-ylidenes. Postgraduate Research Colloquium, held at Institute of Pharmaceutical and Nutraceuticals (IPARM), Penang, Malaysia on December 2 & 3, 2014.

Patrick O. Asekunowo and Rosenani A. Haque (2013). Functionalized Pincer Type *N*-Heterocyclic Carbene Ligands. 4th International Conference for Young Chemists (ICYC), 30 January-1 February 2013, Bay view hotel, Penang, Malaysia.

Workshops and Training:

CERTIFICATE OF COMPETENCE: The Competency Training in Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) Handling and Analysis, on 9-11th August at Analytical Biochemistry Research Centre (ABrC), USM.

NMR LICENCE: Basic NMR Course (300 MHz) held at the School of Chemical Sciences, Universiti Sains Malaysia (5 March 2013- 6 March 2014).

Participated in "The Art of Writing Publishable Scientific Manuscript and Beyond" Penang, 26th February, 2013.

Attended occupational Safety and Health Course; Universiti Sains Malaysia. Penang, Malaysia, February 2013.