

## **Nuwan Harsha Attanayake**

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### **Education!**

Ph.D. Candidate in Organic Chemistry, University of Kentucky, Lexington, KY, USA (2015-2020)

Expected Graduation: September 2020

Advisor: Prof. Susan A. Odom

B.S. Chemistry, University of Peradeniya, Sri Lanka (2009-2013)

Thesis title: Chemical Modification of Natural Rubber to Develop a Conducting Polymer

Advisor: Prof. H.M.N. Bandara


### **Research Experience**

**University of Kentucky, Graduate Research Assistant** (August 2015 - present)

- ! Develop highly soluble, stable electro-active organic compounds for nonaqueous and aqueous redox flow batteries, test long-term stability of organic materials in redox flow batteries and bulk electrolysis

## Peer-Reviewed Publications

8) **Attanayake, N.H.**; Kaur, A.P.; Suduwella, T.M.; Parkin, S.R.; Odom, S.A. "A Stable, Highly Reducing Radical Cation." Submitted to *J. Org. Chem*, jo-2020-017837





4) **Attanayake, N.H.**; Kowalski, J.A.; Milshtein, J.D.; Kaur, A.P.; Casselman, M.D.; Parkin, S.R.; Risko, C.; Brushett, F.R.; Odom, S.A. "A Highly Soluble, Two-Electron Donor for Nonaqueous Redox Flow Batteries." *Materials Research Society*. **2017**, Control ID: 2802517. (poster)

3) **Attanayake, N.H.**; Elliott, C.F.; Casselman, M.D.; Risko, C.; Parkin, S.R.; Odom, S.A. "Harnessing Strain to Raise Oxidation Potentials in Organic Electroactive Materials." *Materials Research Society*. **2017**, Control ID: 2802922. (oral)

- Chemical Demonstrations for h