

CURRICULUM VITAE**Namal Wanninayake**300 Alumni Drive, apt 116, Lexington, KY-40503
859-213-1342 • namal.wanninayake@uky.edu**CURRENT POSITION**

University of Kentucky , Department of chemistry Research Assistant	Lexington, KY 2015-Present
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EDUCATION

University of Kentucky PhD, Chemistry (Expected) Dissertation: "Understanding Electrochemical conversion of carbon dioxide into usable fuels and chemicals via metal-carbon nanocomposites."	Lexington, KY 2020
University of Peradeniya BS. Chemistry Thesis: "Preparation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) nanospheres for the sustained release of Folic Acid."	Sri Lanka 2013

HONORS, AWARDS AND FELLOWSHIPS

Outstanding poster presentation Materials Research Society, Materials Networking Day	2019 Lexington, KY
Philip L. Walker Award American Carbon Society, International Carbon Conference	2019 Lexington, KY
235th ECS meeting Travel grant Electrochemical Society, Energy Technology Division	2019 Dallas, TX
Top Student Research presentation award National Science Foundation, EPSCoR super collider event	2019 Lexington, KY
Student Poster award (Energy Category) North American Membrane Society meeting	2018 Lexington, KY
Next Generation Electrochemistry (NGenE)- Summer Institute Scholarship UIC Energy Initiative - University of Illinois at Chicago	2018 Chicago, IL
Outstanding Poster Presentation Society of Postdoctoral Scholars, Fourth Annual Postdoctoral Research Symposium	2018 Lexington, KY
Experimental Program to Stimulate Competitive Research Fellowship National Science Foundation, EPSCoR	2016 Lexington, KY
Fast Start Award- Outstanding initial overall progress towards the PhD Department of Chemistry, University of Kentucky	2015 Lexington, KY

PROFESSIONAL EXPERIENCES

Graduate Research Department of Chemistry, University of Kentucky, Prof. Doo Young Kim's laboratory.	2014-present Lexington, KY
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Defined a

Beasley, C.; Gnanamani, M.; Martinelli, M.; Góra Marek, K.; Hamano, K.; Shafer, W.; **Wanninayake, N.**; Kim, D. Dehydration of 1,5 Pentanediol over ZrO₂ ZnO Mixed Oxides. *ChemistrySelect* **2019**, *4*, 3123-3130.

Khan, M.; Islam, S.; Nagpure, S.; He, Y.; **Wanninayake, N.**; Palmer, R.; Strzalka, J.; Kim, D.; Knutson, B.; Rankin, S. Epitaxial Formation Mechanism of Multilayer TiO₂ Films with Ordered Accessible Vertical Nanopores by Evaporation-Driven Assembly. *The Journal of Physical Chemistry C* **2019**, *124*, 1958-1972.

Pillar-Little, T.; **Wanninayake, N.**; Nease, L.; Heidary, D.; Glazer, E.; Kim, D. Superior photodynamic effect of carbon quantum dots through both type I and type II pathways: Detailed comparison study of top-down-synthesized and bottom-up-synthesized carbon quantum dots. *Carbon* **2018**, *140*, 616-623.

Colburn, A.; **Wanninayake, N.**; Kim, D.; Bhattacharyya, D. Cellulose-graphene quantum dot composite membranes using ionic liquid. *Journal of Membrane Science* **2018**, *556*, 293-302.

Islam, S.; Reed, A.; Nagpure, S.; **Wanninayake, N.**; Browning, J.; Strzalka, J.; Kim, D.; Rankin, S. Hydrogen

