

Intellectual Contributions

University of Colorado Colorado Springs

January 1, 2021 - December 31, 2023

Chemistry

Paudyal, Janak (Instructor)

Refereed Journal Articles

Journal Article (Published)

Bui, C. (Undergraduate), Laflower, G. (Undergraduate), Paudyal, J. (2023). Electrochemical sensing of bisphenol A on single-walled carbon nanotube paper electrodes. *Electroanalysis*.

Non-Refereed Journal Articles

Journal Article (Published)

Paudyal, J., Wang, P., Zhou, F., Liu, Y., Cai, Y., Xiao, Y. (2021). Platinum-Nanoparticle-Modified Single-Walled Carbon Nanotube-Laden Paper Electrodes for Electrocatalytic Oxidation of Methanol. *ACS Applied Nano Materials*, 4(12), 13798-13806.

Other Intellectual Contributions

Book Chapter (Published)

Paudyal, J. (2022). Development of biosensors based on biomarkers in body fluids for the diagnosis of emerging infectious diseases. *Biosensors for Emerging and Re-Emerging Infectious Diseases* (pp. 385-405). MA, USA: Academic Press.

Manuscript (In Preparation; Not Yet Submitted)

LaFlower, G. (Undergraduate), Bui, C., B. K., Muchharla, B., Paudyal, J. *Gold-Nanoparticle-Modified Single-Walled Carbon Nanotube-Laden Paper Electrodes for Electrochemical Sensing of Glucose*.

Review Paper (In Preparation; Not Yet Submitted)

S. A. (Undergraduate), H. S. (Undergraduate), Paudyal, J. *Enzyme Mimicking Gold Nanoparticles: Mechanism, Influencing Factors and (bio) sensing applications*.

Presentations

University of Colorado Colorado Springs
January 1, 2021 - December 31, 2023

Chemistry

Paudyal, Janak (Instructor)

Laflower, Gavin (Other), Bui, Catalina (Other), Paudyal, Janak (Presenter), MRS Spring Meeting and Exhibit 2022, "Gold Nanowire Functionalized SWCNT paper Electrode for the Electrochemical Sensing of Dopamine in the Presence of Its Interferences," Honolulu, Hawaii (Hybrid). (May 25, 2022).