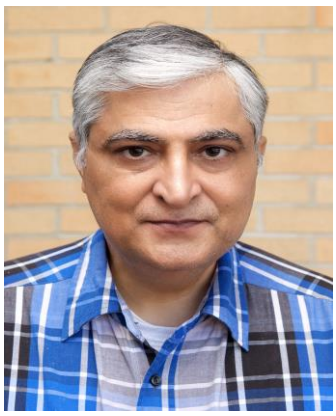
HAMPTON UNIVERSITY SCHOOL OF SCIENCE
FACULTY OF THE MONTH

DR. HERMAN FENNELL

BIOLOGICAL SCIENCES



DR. MALIK MUHAMMAD

CHEMISTRY & BIOCHEMISTRY

SEPTEMBER 2022

Dr. Fennell's research interests include signaling transduction pathways in plants that regulate environmental stress (drought, hypoxia and salt), and investigating anti-prostate and breast cancer activity of plant-derived compounds.
In August 2022 Dr. Fennell published: Rahman, Ahasanur, M.D., Fennell, H. and Ullah, H. (2022). Receptor for Activated C Kinase1B (OsRACK1B) functions in NADPH dependent H2O2 signaling pathways and its overexpression impairs fertility in rice. International Journal of Molecular Sciences. 23(15), 8455.
In March 2022 Dr. Fennell published: Areola T.M., Fennell H.W., Jenifer V.A., Druitt M.M., Ricks-Santi L.J., Bonin C.A., Lewellen E.A. (2022) Population-Level Patterns of Prostate Cancer Occurrence - Disparities in Virginia. Current Molecular Biology Reports. DOI: 10.1007/s40610-022- 00147-w.
In September 2021 Dr. Fennell published: Fennell, H., Ulla, H., Wijnen, A., Llewellyn, E. (2021). Arabidopsis thaliana and Oryza sativa receptor for activated C kinase (RACK1) mediated signaling pathway shows hypersensitivity to salt stress. International Journal of Molecular Sciences.
In the summer of 2022, Dr. Fennell concluded the Emancipation Oak Propagation Project a two-year project, documenting the first sequencing and germination of F1 generation Emancipation Oak saplings.
Dr. Fennell is currently the research advisor and faculty member for the Department of Biological Sciences and the Biology 105 laboratory coordinator. He currently teaches the Introduction to Biology I course along with other upper-level courses.

Dr. Malik Muhammad is recommended as faculty of the month for his commitment to students and their learning.
Dr. Malik strives to improve student competency in chemistry, ensuring that he maintains a balance of rigor while closing knowledge gaps. Dr. Malik has a growth mindset and is constantly improving his teaching techniques.
Similarly, Dr. Malik is an excellent team player and supports his colleagues in the department, teaching as many laboratory sections as needed. He has developed and published a new chemistry textbook and laboratory module that are freely available for our students.
https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Introduction_to_General_Chemistry_(Malik)
We will be adopting his text book for CHE 101 at a great savings to Hampton Students starting in the Fall 2023. We have already adopted his laboratory module in CHE 202
https://chem.libretexts.org/Bookshelves/Analytical_Chemistry/Qualitative_Analysis_of_Common_Cations_in_Water_(Malik)
He is currently writing additional chemistry textbooks and laboratory modules.