

# Achievements from the Faculty of Applied Science and Engineering Technology

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**Aaron Griffin**, School of Electronics & Mechanical Engineering Technology, was elected to the Board of Directors for the Diver Certification Board of Canada.

**Frank Merante**, School of Biological Sciences and Applied Chemistry, had four publications from the **Mitronite project**. See below for the full citations for three of the article, as well as information on everyone who made it possible; the fourth article has been accepted but not yet published due to COVID-19.

Badulescu, C., Ngan, S. Y., Talipova, K., and Merante, F. (2019). Increasing Exercise Work Capacity via Nutritional Intervention by Administration of Mitochondrial Augmentation Therapy (MAT) Associated Nutrients. *Biomedical Journal of Scientific & Technical Research*. 23(4), 17644-17655. <https://biomedres.us/pdfs/BJSTR.MS.ID.003944.pdf>

Lysenko, V., Talipova, K., Nygan, S. Y., Merante, F., and Raha, S. (2020). Nutritional Intervention with Tricarboxylic Acid Cycle Intermediates Modulates Mitochondrial Flux and Respiratory Chain Complex Abundance in C2C12 Myoblast Cells. *Biomedical Journal of Scientific & Technical Research*. 24(4), 18449-18456. [https://econpapers.repec.org/article/abfjournal/v\\_3a24\\_3ay\\_3a2020\\_3ai\\_3a4\\_3ap\\_3a18449-18456.htm](https://econpapers.repec.org/article/abfjournal/v_3a24_3ay_3a2020_3ai_3a4_3ap_3a18449-18456.htm)

Merante, F., Artuso, T., and Badulescu, C. (2020). Pyruvate Levels in Sweat as a Surrogate Biomarker for Intracellular Mitochondrial Metabolite Flux and Supplement Intervention. *Biomedical Journal of Scientific & Technical Research*. 25(2), 18947-18951. [https://econpapers.repec.org/article/abfjournal/v\\_3a25\\_3ay\\_3a2020\\_3ai\\_3a2\\_3ap\\_3a18947-18951.htm](https://econpapers.repec.org/article/abfjournal/v_3a25_3ay_3a2020_3ai_3a2_3ap_3a18947-18951.htm)

Research Assistants: Kamilia Talipova, Vita Lysenko, and Zoe Ngan.

The collaborator from Mitronite Corporation, the company supporting the research, was Anta Badulescu and the CEO is Eato Donald.

They also engaged Ms. Teresa Artuso, a faculty member in the School of Biological Sciences and Applied Chemistry, who helped with the manuscript preparation and compiling the data for analysis.

Finally, Professor Sandeep Raha is a collaborator from McMaster University who openly shares his ideas and continues to be involved in mitochondrially associated projects.

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