

**Concordia University  
Open Access Author Fund  
Annual Report, FY 2018-19**

The Concordia University Open Access Author Fund (OAAF) was established in 2011 to provide support for authors who wish to publish in open access (OA) journals and who are asked to pay article processing charges (APCs) to support publication costs. In 2015 authors publishing OA books or book chapters also became eligible for support from the fund. In FY 2018-19 a total of \$75,000 was allocated to the fund.

Over the course of **FY 2018-19** the fund reimbursed **thirty-five (35)** Concordia researchers from **twelve (12)** separate departments to a total of **\$ 83,141.71**. The average reimbursement for an APC was **\$2,375.48**.

Since November 2011 to present, the fund has reimbursed **169** Concordia researchers, including faculty, librarians, postdoctoral fellows, and graduate students, to a total of **\$310,054.82**.

<b>Name</b>	<b>Dept.</b>	<b>Journal Title</b>	<b>Article Title</b>	<b>APC (CDN\$)</b>
Pascale Biron	Geography, Planning and Environment	Water	Comparing the Sensitivity of Bank Retreat to Changes in Biophysical Conditions between Two Contrasting River Reaches Using a Coupled Morphodynamic Model	1218.33
Fenwick Mckelvey	Communication studies	Internet Daemons: Digital Communications Possessed (book)		3000.00
Damon Matthews	Geography, Planning and Environment	Scientific Reports	1.5 °C carbon budget dependent on carbon cycle uncertainty and future non-CO2 forcing	2476.43
Chiara Gamberi	Biology	BioMed Research International	Modeling human renal disease "on the fly"	2574.60
Robert Weladji	Biology	PlosOne	Winter and Spring Climatic Conditions Influence Timing and Synchrony of Calving in Reindeer	1961.09
Muthukumaran Packirisamy	Mechanical, Industrial and Aerospace Engineering	Nature Scientific Reports	Nano-Integrated Suspended Polymeric Microfluidics (SPMF) Platform for Ultra-Sensitive Bio-Molecular Recognition of Bovine Growth Hormones	2388.25

Tristan Glatard	Computer Science & Software Engineering	GigaScience	Boutiques: a flexible framework to integrate command-line applications in computing platforms	2830.68
Mohamed Mamdouh Mahmoud Ali (Abdel R. Sebak student)	Electrical & Computer Engineering	IEEE Access	Low loss and ultra flat rectangular waveguide harmonic coupler	2714.62
Fabio Balli	Individualized Program	JMIR Serious Games	Lessons learned from the use of a participatory design process to develop digital games addressing airway clearance therapy in children with cystic fibrosis	2134.47
Tingting Shu (Wen-Fang Xie student)	Mechanical, Industrial, and Aerospace Engineering	International Journal of Advanced Robotic Systems	Online pose correction of an industrial robot using an optical coordinate measure machine system	1714.04
Calvin Kalman	Physics	Frontiers in ICT	Three instructional strategies for addressing the diverse needs of a "mixed student epistemology" science classroom	1310.40
Attila Michael Zsaki	Building, Civil and Environmental Engineering	Cogent Engineering	Accelerated parallel computation of field quantities for the boundary element method applied to stress analysis using multi-core CPUs, GPUs and FPGAs	1919.43
Muftah Asaadi (Abdel R. Sebak student)	Electrical & Computer Engineering	IEEE Access	High Gain and Wideband High Dense Dielectric Patch Antenna Using FSS Superstrate for Millimeter-Wave Applications	2714.62
Jean-Philippe Guoin	Psychology	Frontiers in Psychology	Dyadic Coping, Respiratory Sinus Arrhythmia, and Depressive Symptoms Among Parents of Preschool Children	3000.00
Calvin Kalman	Physics	Creative Education	Can Learning about History of Science and Nature of Science in a Student Centred Classroom Change Science Students' Conception of Science?	1295.68

Dylan Fraser	Biology	Evolutionary Applications	Population Correlates of Rapid Captive-induced Maladaptation in a Wild Fish	3000.00
Chunyan Wang	Electrical & Computer Engineering	IEEE Access	Adaptive Image Self-Recovery Based on Feature Extraction in the DCT Domain	2303.23
Sylvia Santosa	Health, Kinesiology, and Applied Physiology	Nature Scientific Reports	Regional Adiposity and Markers of Inflammation in Pre-School Age Children	2521.71
Jean-Paul Ouedraogo	Biology	PlosOne	Efficient genome editing using tRNA promoter-driven CRISPR/Cas9 gRNA in <i>Aspergillus niger</i>	2274.21
S. Samuel Li	Building, Civil and Environmental Engineering	Water	Hydraulic jump and resultant flow choking in a circular sewer pipe of steep slope	2030.20
M. Omair Ahmad	Electrical & Computer Engineering	IEEE Access	CompNet: A new scheme for single image super resolution based on deep convolutional neural network	2262.01
Shreyamsha Kumar Bidare Kantharajappa (M. Omair Ahmad student)	Electrical & Computer Engineering	IEEE Access	Visual Tracking based on Correlation Filter and Robust Coding in Bilateral 2DPCA Subspace	2734.19
Sasan Golnaraghi (O. Moselhi & S.T. Alkass student)	Building, Civil and Environmental Engineering	Advances in Civil Engineering	Application of Artificial Neural Network(S) in Predicting Formwork Labour Productivity	2106.48
Emily Coffey	Psychology	Frontiers in Human Neuroscience	Expedition Cognition: A Review and Prospective of Subterranean Neuroscience with Spaceflight Applications	2717.40
Islam Afifi (Abdel Razik Sebak student)	Electrical & Computer Engineering	IEEE Access	Analysis and Design of a Wideband Coaxial Transition to Metal and Printed Ridge Gap Waveguide	2735.86

Diane Poulin-Dubois	Psychology	PlosOne	The eyes know it: Toddlers' visual scanning of sad faces is predicted by their theory of mind skills	2169.42
Brandon Findlay	Chemistry and Biochemistry	Nature Scientific Reports	Access to high-impact mutations constrains the evolution of antibiotic resistance in soft agar	2543.36
Lisa Kakinami	Mathematics and Statistics	BMC Public Health	Do sex differences in reported weight loss intentions and behaviours persist across demographic characteristics and weight status in youth? A systematic review	2456.89
Wei-Ping Zhu	Electrical & Computer Engineering	IEEE Access	VMD-RiM: Rician Modeling of Temporal Feature Variation Extracted from Variational Mode Decomposed EEG Signal for Automatic Sleep Apnea Detection	2337.77
Najmeh Khalili-Mahani	PERFORM Centre	JMIR Journal of Medical Internet Research	To Each Stress Its Own Screen: A Cross-Sectional Survey Study of the relationship between different sources of stress and different media technologies in self admitting screen-addicts	3000.00
Karen Z. H. Li	Psychology	Frontiers in Neurology	Cognitive involvement in balance, gait and dual-tasking in aging: A focused review from a neuroscience of aging perspective	3000.00
Mojtaba Kahrizi	Electrical & Computer Engineering	Book: Nanostructures (ISBN: 978-1-78923-994-2)	Miniaturized Gas Ionization Sensor Based on Field Enhancement Properties of Silicon Nanostructures	2512.22
Essa Hussain A. Mujammami (Abdel Razik Sebak student)	Electrical & Computer Engineering	IEEE Access	Wideband High Gain Printed Quasi-Yagi Diffraction Gratings-Based Antenna for 5G Applications	2686.10
Jack A. Kornblatt	Biology	PlosOne	The influence of truncating the carboxy terminal amino acid residues of streptococcal enolase on its ability to interact with canine plasminogen	2178.26

M. N. Srikanta Swamy	Electrical & Computer Engineering	IEEE Access	A Framework for Image Denoising using First and Second order Fractional Overlapping Group Sparsity (HF-OLGS) Regularizer	2319.76
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Table 1. Open Access Author Fund author and publication information, FY 2018-19. Authors/reimbursement requests are listed in the order in which they were received and processed over the course of the year.

Submitted by K. Alexander, 31 May 2019