

**Concordia University
Open Access Author Fund
Annual Report, FY 2017-18**

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. Following a recommendation from the Open Access Working Group, in FY 2017-18 the Office of the Vice-President, Research & Graduate Studies, contributed \$30,000 and the Office of the Provost contributed \$25,000 for a total of \$55,000.

Over the course of **FY 2017-18** the fund reimbursed **thirty-two (32)** Concordia researchers from **seven (7)** separate departments to a total of **\$ 64,530.02**. The average reimbursement for an APC was **\$2,016.56**.

Since November 2011 to present, the fund has reimbursed **134** Concordia researchers, including faculty, librarians, postdoctoral fellows, and graduate students, to a total of **\$226,913.11**.

Name	Dept.	Journal Title	Article Title	APC (CDN\$)
Shimon Amir	Psychology	PlosOne	Mapping the co-localization of the circadian proteins PER2 and BMAL1 with enkephalin and substance P throughout the rodent forebrain	2,074.32
Shimon Amir	Psychology	Frontiers in Aging Neuroscience	Neurodegeneration and the circadian clock	925.68
Hassan Rivaz	Electrical & Computer Engineering	BioMedical Engineering Online	Evaluation of an automated thresholding algorithm for the quantification of paraspinal muscle composition from MRI images	2,549.77
Alexandre Champagne	Physcis	Nature Communications	Giant electron-hole transport asymmetry in ultra-short quantum transistors	3,000.00
Nadia Chaudhri	Psychology	Frontiers in Behavioral Neuroscience	Individual Differences in the Attribution of Incentive Salienc to a Pavlovian Alcohol Cue	3,000.00
Mahmoud Khasawneh (Anjali Agarwal student)	Electrical & Computer Engineering	IEEE Access	A Secure and Efficient Authentication Mechanism Applied to Cognitive Radio Networks	2,690.49

Chiara Gamberi	Biology	Frontiers in Microbiology	Human gut microbiota: toward an ecology of disease	2,445.75
Jean-Philippe Gouin	Psychology	Scientific Reports	Associations among oxytocin receptor gene (OXTR) DNA methylation in adulthood, exposure to early life adversity, and childhood trajectories of anxiousness	2,480.20
Panagiotis Vasilopoulos	Physics	Optics Express	Exchange, correlation, and scattering effects on surface plasmons in arm-chair graphene nanoribbons	2,540.59
Attila Michael Zsaki	Building, Civil and Environmental Engineering	Cogent Engineering	Stability assessment of homogeneous slopes loaded with mobile tracked cranes—An artificial neural network approach	1,829.79
Mohammad Akbari Choubar (Abdel R. Sebak student)	Electrical & Computer Engineering	IEEE Access	Ka-Band Linear to Circular Polarization Converter Based on Multilayer Slab with Broadband Performance	2,586.57
Dylan Fraser	Biology	Ecology and Evolution	The evolutionary consequences of habitat fragmentation: Body morphology and coloration differentiation among brook trout populations of varying size	2,680.61
Calvin S. Kalman	Physics	International Research in Higher Education	Changing Students' Approach to Learning Physics in Postsecondary Gateway Courses	435.23
Ali Dolatabadi	Mechanical and Industrial Engineering	AIP Advances	Numerical investigation of air mediated droplet bouncing on flat surfaces	1,748.89
Peter Shizgal	Psychology	PlosOne	Valuation of opportunity costs by rats working for rewarding electrical brain stimulation	1,897.87
Anjali Agarwal	Electrical & Computer Engineering	Security and Communication Networks	A Collaborative Approach for Monitoring Nodes Behavior during Spectrum Sensing to Mitigate Multiple Attacks in Cognitive Radio Networks	309.51
Andreas Arvanitogiannis	Psychology	Frontiers in Behavioral Neuroscience	Adolescent Exposure to Methylphenidate Increases Impulsive Choice Later in Life	3,000.00

Muthukumaran Packirisamy	Mechanical, Industrial, and Aerospace Engineering	Nature Scientific Reports	Comparative study on cellular entry of incinerated ancient gold particles (Swarna Bhasma) and chemically synthesized gold particles	1,133.67
Samer El-Zahab (Tarek Zayed student)	Building, Civil and Environmental Engineering	Smart Water	Collective thinking approach for improving leak detection systems	1,088.60
Linda Booij	Psychology	PlosOne	Persistence and innovation effects in genetic and environmental factors in negative emotionality during infancy: A twin study	2,220.41
Mohamed Mamdouh Mahmoud Ali (Abdel R. Sebak student)	Electrical & Computer Engineering	IEEE Access	Printed Ridge Gap Waveguide 3-dB Coupler: Analysis and Design Procedure	2,653.79
Suhib Bani Melhem (Anjali Agarwal student)	Electrical & Computer Engineering	IEEE Access	Markov Prediction Model for Host Load Detection and VM Placement in Live Migration	2,506.99
Ayhan Ince	Mechanical, Industrial, and Aerospace Engineering	Book: Residual Stress Analysis on Welded Joints by Means of Numerical Simulation and Experiments (ISBN 978-953-51-5765-6)	Numerical simulation of residual stresses in welding and ultrasonic impact treatment process	1,420.73
Shaun Yon-Seng Khoo (postdoctoral fellow)	Psychology	Animals	Justifiability and animal research in health: can democratisation help resolve difficulties?	904.45
Marjan Sadat Jalali Moghadam (Abdel R. Seback Student)	Electrical & Computer Engineering	IEEE Access	Wideband Cross Polarization Rotation based on Reflective Anisotropic Surfaces	2,632.07
Wen-Fang Xie	Mechanical, Industrial and Aerospace Engineering	International Journal of Advanced Robotic Systems	Relative Posture-based Kinematic Calibration of a 6-RSS Parallel Robot by Using Optical CMM	1,579.78

Lisa Kakinami	Mathematics and Statistics	Preventive Medicine Reports	Neighbourhood disadvantage and behavioural problems during childhood and the risk of cardiovascular disease risk factors and events from a prospective cohort	1,656.57
Calvin S. Kalman	Physics	Creative Education	Impact of reflective writing and laboratories on student understanding of force and motion in introductory physics	1,336.13
Ciprian Alecsandru	Building, Civil and Environmental Engineering	Journal of Advanced Transportation	Microscopic simulation-based high occupancy vehicle lane safety and operation assessment: a case study	2,429.13
Ahmed A. Kishk	Electrical & Computer Engineering	IEEE Access	Low-Profile Low-Cost High Gain 60 GHz Antenna	2,528.91
Virginia Penhune	Psychology	Frontiers in Psychology	Rhythm and melody tasks for school-aged children with and without musical training: age-equivalent scores and reliability	2,833.74
Yogendra P. Chaubey	Mathematics and Statistics	Journal of Probability and Statistics	Smooth kernel estimation of a circular density function: a connection to orthogonal polynomials on the unit circle	1,409.78

Table 1. Open Access Author Fund author and publication information, FY 2017-18. Authors/reimbursement requests are listed in the order in which they were received and processed over the course of the year.

Submitted by D. Dennie, 3 May 2018