

Fall 2021 Faculty Publication List

In this document you will find the latest publications from the vibrant scholarly community at Concordia University of Edmonton. We congratulate all of the members of our faculties for their continuous effort to publish the results of their research and creativity.

Faculty of Arts

BILL ANDERSON

Book Chapter

- **Anderson, W. H. U.** (2021). David as a biblical ‘Goodfella’ and ‘The Godfather’: Cultural-social analogies with monarchy and La Cosa Nostra. In W. H. U. Anderson (Ed.), *Film, philosophy and religion*. Vernon Press.

IAN DAVIDSON

Article

- **Davidson, I. J.** (2021). Reconsidering Paul Meehl’s disciplinary legacy. *Social and Personality Psychology Compass*, 15(7). <https://www.doi.org/10.1111/spc3.12623>

JOHN MAXFIELD

Book Chapter

- **Maxfield, J. A.** (2021). A recantation of purgatory (1530). In B. T. G. Mayes (Ed.), *Luther’s works, Volume 61: Theological and polemical works* (pp. 217—246). Concordia Publishing House.

STEVEN MUIR

Book Chapter

- **Muir, S.** (2022). From liturgy to polemic and back: Social identity issues in the use of two Psalms. In S. E. Rollins & P. Hart (Eds.), *Worth more than many sparrows: Essays in honour of Willi Braun*. Equinox eBooks Publishing.
<http://dx.doi.org/10.1558/equinox.43715>

CONRAD VAN DYK

Article

- **van Dijk, C.** (in press). Chesterton’s duel with Nietzsche in The Ball and the Cross. *Religion & Literature Journal*.

Faculty of Education

TERESA FOWLER

Article

- Lowan-Trudeau, G., & **Fowler, T. A.** (2021). Considering Indigenous environmental issues in Canadian curricula: A critical discourse analysis. *Journal of the Canadian Association of Curriculum Studies*, 19(1), 103–128.
<https://jcacs.journals.yorku.ca/index.php/jcacs/article/view/40438/36687>

Book Chapter

- Lacerda-Vandenborn, E., Markides, J., **Fowler, T. A.**, Hanson, A. J., MacDonald, J., Poitras Pratt, Y., & Danyluk, P. (2021). Tensions in adapting a mandatory Indigenous education course to an online environment. In X. M. Woodley & M. F. Rice (Eds.), *Designing Intersectional Online Education Critical Teaching and Learning Practices* (pp. 177–196). Routledge.

BARBARA VAN INGEN

Book Chapter

- **van Ingen, B.**, Bradford, B., Bowman, P., Uditsky, B., Skidmore, J., & Pereira, S. (2022). Transitioning dreams to reality: Inclusive post-secondary education at Concordia University of Edmonton. In K. Scorgie & C. Forlin (Eds.), *Transition Programs for Children and Youth with Diverse Needs*. Emerald Publishing Limited.
<http://dx.doi.org/10.1108/S1479-3636202218>

Faculty of Management

ESLAM ABDALLAH

Article

- Safwat, M., Elgammal, A., **AbdAllah, E. G.**, & Azer, M. A. (2022). Survey and taxonomy of information-centric vehicular networking security attacks. *Ad Hoc Networks*, 124.
<https://doi.org/10.1016/j.adhoc.2021.102696>
- **AbdAllah, E. G.**, Kuang, R., & Huang, C. (2022). Generating just-in-time shared keys (JIT-SK) for TLS 1.3 Zero RoundTrip Time (0-RTT). *International Journal of Machine Learning and Computing*, 12(3), 96–101. <http://www.ijmlc.org/vol12/1086-C1-243.pdf>

MARK LOO

Conference Presentations

- **Loo, M.** (2021, November 25-26). *China's BRI impact on Forest City, Malaysia (Case study)* [Keynote address]. Vietnam's Conference on Business, Economics and Resources, Ho Chi Minh Open University, Ho Chi Minh City, Vietnam. <https://greatnusa.com/course/view.php?id=1075>
- **Loo, M.** (2021, November 1). *Global competitiveness of Indonesia: Building winning competences* [Keynote address]. BINUS University Business School, International Lecture Week, Jakarta, Indonesia. <https://greatnusa.com/course/view.php?id=1078>

Faculty of Science

MATTHEW CHURCHWARD

Articles

- Jesudasan, S. J. B., Gupta, S. J., **Churchward, M. A.**, Todd, K. G., & Winship, I. (2021). Inflammatory cytokine profile and plasticity of brain and spinal microglia in response to ATP and glutamate. *Frontiers in Cellular Neuroscience*. <https://doi.org/10.3389/fncel.2021.634020>
- Tsui, C. T., MacGillivray, S. R., Weber, S. M., McAllister, L., **Churchward, M. A.**, Dennison, C. R., & Todd, K. G. (2021). Applying a novel 3D hydrogel cell culture to investigate activation of microglia due to rotational kinematics associated with mild traumatic brain injury. *Journal of the Mechanical Behavior of Biomedical Materials*, 114. <https://doi.org/10.1016/j.jmbbm.2020.104176>
- Galleguillos, D., Wang, Q., Steinberg, N., Zaidi, A., Shrivastava, G., Dhama, K., Daskhan, G. C., Schmidt, E. N., Dworsky-Fried, Z., Guiliani, F., **Churchward, M.**, Power, C., Todd, K., Taylor, A., Macaulay, M. S., & Sipione, S. (2022). Anti-inflammatory role of GM1 and other gangliosides of microglia. *Journal of Neuroinflammation*, 19(9). <https://doi.org/10.1186/s12974-021-02374-x>

MAKAN GOLIZEH

Articles

- Morsi, H., **Golizeh, M.**, Brosseau, N., Janati, A. I., Emami, E., Ndao, M., Tran, S. D. (2021). Detection of *Fusobacterium nucleatum* subspecies in the saliva of pre-colorectal cancer patients, using tandem mass spectrometry. *Archives of Oral Biology*, 134. <https://doi.org/10.1016/j.archoralbio.2021.105337>
- Geib, T., Moghaddam, G., Supinski, A., **Golizeh, M.**, & Sleno, L. (2021). Protein targets of acetaminophen covalent binding in rat and mouse liver studied by LC-MS/MS. *Frontiers in Chemistry*, 20. <https://doi.org/10.3389/fchem.2021.736788>

- Babych, M., Nguyen, P. T., Côté-Cyr, M., Kihal, N., Quittot, N., **Golizeh, M.**, Sleno, L., & Bourgault, S. (2021). *Biochemistry*, 60(29), 2285—2299. <https://doi.org/10.1021/acs.biochem.1c00308>
- **Golizeh, M.**, Winter, K., Roussel, L., Landekic, M., Langelier, M., Loo, V. G., Ndao, M., & Vinh, D. C. (2021). Fecal host biomarkers predicting severity of *Clostridioides difficile* infection. *JCI Insight*, 6(1), 1—12. <https://doi.org/10.1172/jci.insight.142976>

EMMANUEL MAPFUMO

Article

- **Mapfumo, E.** (2021). Dryland soil salinity and seasonal effects on leaf and xylem sap ecophysiological characteristics of native plant species. *Australian Journal of Botany*, 70(1), 42—55. <https://doi.org/10.1071/BT21022>

ROSSITZA MARINOVA

Articles

- Marinov, T. T., & **Marinova, R. S.** (2021). Inverse problem for adaptive SIR model: Application to COVID-19 in Latin America. *Infectious Disease Modelling*, 7(1), 134—148. <https://doi.org/10.1016/j.idm.2021.12.001>
- Marinov, T. T., & **Marinova, R. S.** (2021). An inverse problem solution for thermal conductivity reconstruction. *WSEAS Transactions on Systems*, 20, 187—195. <https://www.doi.org/10.37394/23202.2021.20.21>
- Marinov, T. T., & **Marinova, R. S.** (2020). Dynamics of COVID-19 using inverse problem for coefficient identification in SIR epidemic models. *Chaos, Solitons & Fractals: X*, 5. <https://doi.org/10.1016/j.csf.2020.100041>

Book

- Marinov, T., & **Marinova, R.** (2021). *Numerical methods basics with programming examples*. Linus Learning.

Conference Proceedings

- Marinov, T. T., & **Marinova, R. S.** (2020). Identification of Heat Conductivity in (2+1)D Equation as a Function of Time. *Lecture Notes in Computer Science*, 356—364.