

CURRICULUM VITAE

Tanya Chichekian

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EDUCATION

PhD (Educational Psychology); McGill University, Canada	2011-2014
MA (Educational Psychology); McGill University, Canada	2009-2011
BEd (Secondary Mathematics Education); McGill University, Canada	1995-1999

ACADEMIC POSITIONS

Assistant Professor; Université de Sherbrooke, Faculty of Education; Department of Pedagogy	2019-
Adjunct Professor; Université du Québec À Montréal, Social Psychology	2016-
Adjunct Professor; Queen's University, Kingston (Ontario); Professional Master of Education	2014-2018
Post-Doctoral Fellow; Université du Québec À Montréal, Positive Psychology (R. Vallerand)	2016-2018

ACADEMIC AWARDS

RESEARCH AWARDS

Faculty of Education, McGill University, K. B. Jenckes Convocation Prize	June 2015
Canadian Association for Teacher Education (CATE), Distinguished Dissertation Award	June 2014
Faculty of Education, McGill University, Walter A. & K. Mary Marsh Fellowship	March 2013

POST-DOCTORAL AWARDS

Social Sciences & Humanities Research Council of Canada Post-Doctoral Fellowship (<i>81,000\$</i>)	2016-2018
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GRADUATE AWARDS

Fonds de Recherche de Québec en Société et Culture Doctoral Fellowship (<i>61,000\$</i>)	2011-2014
McGill University Graduate Excellence Award	2013
McGill University Provost Graduate Fellowship	2009-2011

GRANT FUNDING

FONDS DE RECHERCHE SOCIÉTÉ ET CULTURE (FRQSC)

FRQSC - Persévérance et Réussite Scolaire (\$150,000 / 3 yrs). 2021-2024 (under review)

APPLICANTS: **Chichekian, T.** (PI); Coresearcher: Savard, A., & Machon, D.; Collaborator: Trudeau, J.

PROJECT: Broadening pathways into perseverance in higher education by applying computational thinking across disciplines

FRQSC - Releve Professorale (\$45,000 / 3 yrs). 2021-2024 (under review)

APPLICANTS: **Chichekian, T.**

PROJECT: Trajectories defining the transmission of passion in higher education

SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL OF CANADA (SSHRC)

SSHRC-Connection Grant (\$50,000). 2021-2022 (under review)

APPLICANTS: **Chichekian, T.** (PI); Co-applicant: Trudeau, J.

PROJECT: Applying design thinking principles in an eduhack

SSHRC-Partnership Development Grant (\$199,896 / 3 yrs). 2019-2022

APPLICANTS: **Chichekian, T.** (PI); Co-applicants: Vallerand, R. J., Guay, F., & Denault, A-S.; Collaborators: Trudeau, J., Morin, I., Cléroux, B.

PARTNERS: Réseau Technoscience, Cégep Garneau, Dawson College

PROJECT: Cultivation Innovative Mindsets: When experimentation becomes a passion

SSHRC-Insight Development Grant (\$65,896 / 2 yrs). 2016-2018

APPLICANTS: **Chichekian, T.** (PI); Collaborator: Sioui, Y..

PROJECT: Challenges in the academic success of postsecondary Aboriginal students

OTHER GRANTING AGENCIES

ENTENTE CANADA-QUEBEC (150, 000\$; 2020-2023, under review)

APPLICANTS: **Chichekian, T.** (PI); Co-applicant: Bélisle, M., Bédard, D.

PROJECT: La pollinisation croisée de la pédagogie en enseignement supérieur

UNIVERSITY GRANTS COMMITTEE (UNIVERSITÉ DE SHERBROOKE)

Startup funds Fund (\$15K CAD / 1.5 yrs) 2019-2020

APPLICANT: **Chichekian, T.** (PI)

MITACS ACCELERATE; (\$30,000/ 1 year) 2020

PROJECT : Étude sur la rétention des étudiants et le profil des finissants dans les programmes aéro (ÉMAM et ÉNA)

APPLICANT: **Chichekian, T.** (PI), & CAMAQ (Partner, Co-PI)

SPENCER FOUNDATION; (US\$50,000/ 1 year) 2020

PROJECT : The identification and application of students' computational thinking skills in higher education

APPLICANT: **Chichekian, T.** (PI), Savard, A. (Co-PI), & Trudeau, J. (Collaborator)

JOURNAL ARTICLES

Chichekian, T., & Bragoli-Barzan, L. (2020). Perceptions of educational professionals regarding postsecondary native students' educational experience. *McGill Journal of Education*.

Chichekian, T., Hua, L., & Shore B. M. (2018). Chemistry professors' perceptions of undergraduate learning. *Canadian Journal for the Scholarship of Teaching and Learning*, 9(1), 1-15. <https://doi.org/10.5206/cjsotl-rcacea.2018.1.3>

Chichekian, T., & Shore, B. M. (2017). Hold firm: High ability learners value standing one's ground in disagreements with a friend. *Journal for the Education of the Gifted*, 40(2), 152-167. <https://doi.org/10.1177/0162353217701020>.

Chichekian, T., & Shore, B. M., & Tabatabai, D. (2016). First-year teachers' uphill struggle to implement inquiry instruction: Exploring the interplay among self-efficacy, conceptualizations, and classroom observations of inquiry enactment. *SAGE Open*, 6(2), 1-19. <https://doi.org/10.1177/2158244016649011>

Chichekian, T., & Shore, B. M. (2016). Preservice and practicing teachers' self-efficacy for inquiry-based instruction. *Cogent Education*, 3(1), Article 1236872. <https://doi.org/10.1080/2331186X.2016.1236872>

Chichekian, T., & Shore, B. M. (2014). Concept maps provide a window onto preservice elementary teachers' pedagogical content knowledge in the domain of mathematics. *Canadian Journal of Education/Revue Canadienne de L'Éducation*, 36(3), 23-46. <https://journals.sfu.ca/cje/index.php/cje-rce/article/view/1542>

Shore, B. M., **Chichekian, T.,** Syer, C. A., Aulls, M. W., & Frederiksen, C. H. (2012). Planning, enactment, and reflection in inquiry-based learning: Validating the McGill Strategic Demands of Inquiry Questionnaire. *International Journal of Science and Mathematics Education*, 10, 315-337. <https://doi.org/10.1007/s10763-011-9301-4>

- Syer, C. A., **Chichekian, T.**, Shore, B. M., & Aulls, M. W. (2012). Learning “to do” and learning “about” inquiry at the same time: Different outcomes in valuing the importance of various intellectual tasks in planning, enacting, and evaluating an inquiry curriculum. *Instructional Science*, 41(3), 521-537. <https://doi.org/10.1007/s11251-012-9242-5>
- Chichekian, T.**, Savard, A., & Shore, B. M. (2012). Les troncs communs et les trajectoires divergentes dans les langues françaises et anglaises de l’approche par démarche d’investigation. *Le Grand N*, (90), 33-48.
- Chichekian, T.**, Savard, A., & Shore, B. M. (2011). The languages of inquiry: An English-French lexicon of inquiry terminology in education. *LEARNing Landscapes*, 4(2), 93-109. <https://doi.org/10.36510/learnland.v4i2.389>

BOOK Chapters

- Vallerand R. J., **Chichekian, T.**, & Paquette, V. (2020). Passion in education: Cross-cultural and applied perspectives. In G. Arief D. Liem & D. McInerney (Eds.), *Research on sociocultural influences on motivation and learning*. Information Age Publishing.
- Shore, B. M., **Chichekian, T.**, Gyles, P. D. T., & Walker, C. L. (2019). Friendships of gifted children and youth: Updated insights and understanding. In B. Wallace, D. A. Sisk, & J. Senior (Eds.), *SAGE handbook of gifted and talented education* (pp.184-195). Sage.
- Chichekian T.**, & Vallerand, R. J. (2018). Positive psychology meets education in the context of passion for sports. Invited chapter in A. Brady & B. Grenville-Cleave (Eds.), *Positive psychology in sport and physical activity* (pp.51-63). Routledge.
- Chichekian, T.**, & Shore, B. M. (2017). Challenges to conducting a longitudinal study with classroom observations of teachers’ first year of professional practice. In B. Flett (Ed.), *Sage research methods cases* (pp.1-17). Sage.
- Chichekian, T.**, & Shore, B. M. (2014). The International Baccalaureate: Contributing to the use of inquiry in higher education teaching and learning. Invited chapter in J. M. Carfora & P. Blessinger (Eds.), *Inquiry-based learning for faculty and institutional development: A conceptual and practical resource for educators* (pp.73-97), (Vol. 1 in the series, Innovations in Higher Education Teaching and Learning, series editor P. Blessinger.) Emerald.
- Chichekian, T.**, Hua, O., & Shore, B. M. (2013). Inquiring minds in undergraduate instruction: An expression of the teaching-research nexus. Invited chapter in D. J. Salter (Ed.), *Cases on quality teaching practices in higher education* (pp.146-180). Information Science Reference (IGI Global). <https://doi.org/10.4018/978-1-4666-3661-3.ch010>
- Chichekian, T.**, & Shore, B. M. (2013). Cognitive characteristics of the gifted: Reconceptualized in the context of inquiry learning and teaching. Invited chapter in J. A. Plucker & C. M. Callahan (Eds.), *Critical issues and practices in gifted education: What the research says* (2nd ed., pp.117-129). Prufrock Press.

MANUSCRIPTS UNDER REVIEW

- Chichekian, T.**, & Vallerand, R. J. (under review). Passion for science and the pursuit of a scientific domain: The mediating role of rigid and flexible persistence. *Contemporary Educational Psychology*.
- Chichekian, T.**, Maheux, C., Lemay-Lapointe, G., Beaulieu, K., & Bragoli-Barzan, L. (revise and resubmit). Indigenous students’ journeys through medical education. *Canadian Medical Education Journal*.
- Chichekian, T.** Factors predicting the likelihood of at-risk students’ attainment of educational goals (under review). *NACADA (National Academic Advising Association)*.

MANUSCRIPTS IN PROGRESS

- Vallerand R. J., **Chichekian, T.**, Verner-Fillion, J., Rapaport, M. A look at the persistence of passionate individuals: On the role of rigid and flexible persistence in activity and life outcomes. *Journal of Personality and Social Psychology*.
- Chichekian, T.**, Vallerand, R. J., Verner-Fillion, J., & Taskiran, A. The role of autonomy support in the development of passion in education: A novel approach. *Manuscript in preparation*
- Chichekian, T.** & Trudeau, J. Innovative learning spaces: Taking active learning outside the classroom. *Manuscript in preparation*
- Benteux, B., & **Chichekian, T.** Artificial intelligence in education: The fine line between a system's and a learner's performance. *Manuscript in preparation*
- Benteux, B. & **Chichekian, T.** Dispositifs d'autorégulation dans les applications mobiles d'apprentissage des langues. *Manuscript in preparation*

CONFERENCE PAPERS

2020

- Chichekian, T.** & Vallerand, R. J. (December, 2020). *Perceptions of autonomy support in passionate students*. Paper to be presented in a symposium at the International Association of Applied Psychology (IAAP), Cancun, Mexico.
- Benteux, B. & **Chichekian, T.** (June, 2020). *Artificial intelligence in education: The fine line between a system's and a learner's performance* Supporting Active Learning & Technological Innovation in Studies of Education (SALTISE), Montréal, QC, Canada. CANCELLED DUE TO COVID-19
- Benteux, B. & **Chichekian, T.** (May, 2020). *Impacts des intelligences artificielles en éducation sur l'optimisation de l'apprentissage*. To be presented at AssoCiation FrAncophone pour le Savoir (ACFAS), Sherbrooke, Canada. CANCELLED DUE TO COVID-19
- Benteux, B. & **Chichekian, T.** (April, 2020). *Adapter le soutien de l'engagement de l'apprenant à distance à l'aide des analytiques d'apprentissage*. To be presented at the 7th Colloque international en éducation organized by Centre de Recherche Interuniversitaire sur la Formation et la Profession Enseignante (CRIFPE), Montréal, QC, Canada. CANCELLED DUE TO COVID-19
- Benteux, B. & **Chichekian, T.** (April, 2020). *Dispositifs d'autorégulation dans les applications mobiles d'apprentissage des langues*. To be presented at the 7th Colloque international en éducation organized by Centre de Recherche Interuniversitaire sur la Formation et la Profession Enseignante (CRIFPE), Montréal, QC, Canada. CANCELLED DUE TO COVID-19
- Chichekian, T.**, & Trudeau, J. (April, 2020). *Innovative learning spaces: Taking active learning outside the classroom*. Paper accepted for presentation at the American Educational Research Association, San Francisco, CA, United States. CANCELLED DUE TO COVID-19
- Chichekian, T.**, & Vallerand, R. (April, 2020). *Autonomy supportive learning environments: A precursor for the development of passion in education*. Paper accepted for presentation at the American Educational Research Association, San Francisco, United States. CANCELLED DUE TO COVID-19

2019

- Chichekian, T., & Vallerand, R. J.** (July, 2019). Passion for science and the mediating role of persistence and activity engagement Paper presented at the International Positive Psychology Association, Melbourne, Australia.
- Chichekian, T., & Vallerand, R. J.** (June, 2019). Passion for science and the persistence in a scientific domain. Paper presented at the Canadian Society for the Study of Education, Vancouver, BC, Canada.
- Bragoli-Barzan, L., & **Chichekian, T.** (June, 2019). Motivations des étudiants autochtones : Pourquoi étudier au niveau collégial? Poster presented at the Canadian Society for the Study of Education, Vancouver, BC, Canada.
- Chichekian, T.,** Maheux, C., Lemay-Lapointe, G., & Beaulieu, K. (May, 2019). Indigenous students' journeys through medical education. Poster presented at ACFAS (Association Francophone pour le Savoir), Gatineau, QC, Canada.
- Guay, F. **Chichekian, T.,** Chanal, J., & Gordeeva, T. (May, 2019). The role of autonomy support in the development of passion and persistence in STEM education. Presentation in symposium (Optimal learning in optimal contexts: The role of self-determination theory in education) for the 7th International Self-Determination Theory Conference, Amsterdam, Netherlands.

2018

- Ratelle, C., Guay, F., Denault, A-S., **Chichekian, T.,** & Litalien, D. (June, 2018). The support of students' psychological needs and their motivational outcomes: From elementary school to university. Symposium presented at the International Congress of Applied Psychology, Montréal, QC, Canada.
- Chichekian, T.** (May, 2018). Passion and persistence: A winning combination. Flash talk presented at the 35th anniversary of the Research Laboratory on Social Behavior, Montréal, QC, Canada.
- Chichekian, T.,** Verner-Filion, J., Bragoli-Barzan, & Vallerand, R. J. (May, 2018). New developments in passion in the domain of positive psychology. Symposium to be presented at the Canadian Positive Psychology Association, Toronto, ON, Canada
- Chichekian, T., & Vallerand R. J.** (April, 2018). Academic Persistence in Science Education From A Positive Psychology Perspective. Poster presented at the American Educational Research Association, New York, NY, United States.

2017

- Chichekian, T., & Shore, B. M.** (July, 2017). Highly-ably learners value standing one's ground during disagreements with a friend. Paper presented at the International Positive Psychology Association (IPPA), Montréal, QC, Canada.
- Chichekian, T.,** Shore, B. M. & Tabatabai, D. (May, 2017). First-year teachers differ in their enactment of inquiry instruction. Paper presented at the Annual conference of the Canadian Society for the Study of Education (CSSE), Toronto, ON, Canada.
- Chichekian, T.** (May, 2017). At-risk students' attributions for unsuccessful academic performance in postsecondary education calls for tailored support strategies. Paper presented at the Annual conference of the Canadian Association for Educational Psychology (CAEP), Toronto, ON, Canada.
- Chichekian, T., & Vallerand, R. J.** (March, 2017). Qu'est-ce qui mènent les étudiants à s'investir dans leur réussite scolaire? Symposium presented at the Société Québécoise pour la Recherche en Psychologie (SQRP), Montréal, QC, Canada.

2016

- Chichekian, T.** (May, 2016). L'élaboration des stratégies de transfert de connaissances concernant la réussite scolaire dans une communauté de pratique. Workshop presented at the Association Professionnelle des Aides Pédagogiques Individuelles (APAPI), Montréal, QC, Canada.
- Chichekian, T.** (May, 2016). Aquarium. Symposium organized by PERISCOPE (Plateforme d'échange, de recherche et d'intervention sur la Scolarité : persévérance et réussite) at the 83rd conference of the Association Francophone Pour Le Savoir (ACFAS), Montréal, QC, Canada.
- Chichekian T., Shore, B. M., & Tabatabai, D.** (April, 2015). Beginning Teachers' Uphill Struggle To Implement Inquiry Instruction: Patterns Among Self-Efficacy, Conceptualizations, and Actual Enactment. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL, United States.
- Chichekian, T., & Shore, B. M.** (April, 2014). Senior Preservice Teachers' Self-Efficacy for Planning, Enacting, and Reflecting on Inquiry Instruction. Poster presented at the American Educational Research Association Annual Meeting, Philadelphia, PA, United States.
- Shore, B. M., Walker, C. L., Gyles, P. D. T., & **Chichekian, T.** (November, 2011). Gifted friendships: Perceived versus actual numbers of friends. Paper presented at the annual meeting of the National Association for Gifted Children, New Orleans, LA, United States.
- Chichekian, T., Walker, C. L., Gyles, P. D. T., & Shore, B. M.** (November, 2011). Perspective-taking: Exploring students' choices of cognitive moves during disagreements among friends. Poster presented at the annual meeting of the National Association for Gifted Children, New Orleans, LA, United States.
- Chichekian, T., Delcourt, M. A. B., Gyles, P. D. T., Hua, O., Longo, C., Guertin, S., & Shore, B. M.** (2011, May). Initiating and refining ideas for doctoral research about inquiry in education. Symposium presented at the Second Biannual Instructional Leadership Conference, Western Connecticut State University, Danbury, CT, United States.
- Gyles, P. D. T., **Chichekian, T.**, Hua, O., Shore, B. M., & Delcourt, M. A. B. (May, 2011). Inquiry-based learning toolkit. Symposium presented at the Second Biannual Instructional Leadership Conference, Western Connecticut State University, Danbury, CT, United States.
- Gyles, P. D. T., Leung, O. N., Delcourt, M. A. B., Walker, C. L., **Chichekian, T.**, Shore, B. M., & Saunders-Stewart, K. S. (November, 2010). Ability and student outcomes in inquiry classes: Teachers' perspectives. Paper presented at the annual meeting of the National Association for Gifted Children, Atlanta, GA, United States.
- Chichekian, T.** (May, 2010). Preservice elementary teachers' conceptual analysis of teaching mathematics. Poster presented at the annual Concordia University Education Graduate Students Interdisciplinary Symposium: From Concept to Practice, Montreal, QC, Canada.

TEACHING EXPERIENCE

Winter & Fall 2020	EPU 974 - Apprentissage à l'université (Graduate level) EFD 966 - Teaching in higher education (Graduate level) EPU 966 - Enseignement Supérieur (Graduate level)
Winter & Fall 2019	EFD 966 - Teaching in higher education (Graduate level) EPU 974 - Apprentissage à l'université (Graduate level) EPU 971 – Appliquer des pédagogies actives en enseignement supérieur (Graduate level)
Summer 2016 - 2019	GDPI-PME-800 (online) – Self-Regulated Learning and Inquiry (Graduate level); PME-898 (online) - Capstone Project (Graduate level) PME-831 (online) Innovative Curriculum Planning (Graduate level) Queen's University, Kingston, ON
Spring 2016	EDTL 500 (online) – Applications of Educational Psychology Across Classrooms (Graduate level) McGill University, QC
Winter 2015	EDPE 602 – Uses of Research Findings in Education (Graduate level), McGill University, QC
Winter 2013	EDPE 602 – Uses of Research Findings in Education (Graduate level), McGill University, QC
Fall 2012, Winter 2013	EDPE 697 – Special Activity (Graduate level), McGill University, QC
Winter 2000	Grade 10 Mathematics Teacher (Math 416, 436), Chomedey Adult Education Centre, QC
1999-2001	Grade 7 and 8 Mathematics Teacher Armen-Quebec High School, QC

ACADEMIC SERVICE

PROFESSIONAL/RESEARCH POSITIONS

- Member, Observatoire international sur les impacts sociétaux de l'IA et du numérique (OBVIA) (FQRSC Strategic Cluster), 2019-present
- Member, Centre de Recherche Interuniversitaire sur la Formation et la Profession Enseignante (CRIFPE) (FQRSC Strategic Cluster), 2019-present
- Member, Institut Interdisciplinaire d'Innovation Technologique (3it), Université de Sherbrooke, 2019-present

FORMAL CONSULTATION

- Consulting member of the *Commission de la Recherche et de l'Enseignement Universitaires (CERU)*, *Conseil Supérieur de l'Éducation*, 2020-2023
- Consulting Editor; *Canadian Journal of Education*, 2018-present

FORMAL REVIEWS

- Reviewer, Social Sciences and Humanities Research Council of Canada (SSHRC), Postdoctoral Fellowships Competition, 2019-2020
- Evaluator for AERA conference submissions (Divisions: Motivation in education; Engineering and Computer Science)

SYMPOSIA CHAIR/DISCUSSANT

- Canadian Positive Psychology Association (CPPA) (2018, May; Chair). New developments in passion in the domain of positive psychology, Toronto, Ontario, Canada

AD HOC REVIEWS

- Review of General Psychology
- Journal of Advanced Academics
- Scandinavian Journal of Education
- American Educational Research Association Annual Meeting

STUDENT COMMITTEES

Dissertation committee (proposal, supervisory, or defense), Université de Sherbrooke: Amanda Lopez

DEPARTMENTAL COMMITTEES

- Hiring committee: Department of Pedagogy, Université de Sherbrooke, 2019.

UNIVERSITY COMMITTEES

- Reviewer for Research Ethics Board, Université de Sherbrooke, March 2019-present

STUDENT ADVISING | Graduates: PhD (2) / Masters (12)

Berenger Benteux (2024 expected) *Adapter le soutien de l'engagement de l'apprenant à distance à l'aide des analytiques d'apprentissage*, (PhD in Education), Université de Sherbrooke.

Manon Brault (2021, expected). *L'évaluation de la communication orale en Anglais Langue Seconde au collégial*, (MEC-Maîtrise en Enseignement Collégial), Université de Sherbrooke.

Annie Taskiran (2025, expected). *The role of autonomy support in the development of passion in STEM*, (MEd), McGill University.

Agnieszka Kucharska. (2018). *Portfolio-based Language Assessment (PBLA) in the adult ESL literacy classroom*, (MEd, Capstone project), Queen's University.

Claire Shorthill. (2018). *Explorations in social studies 11 transition course*, (MEd, Capstone project), Queen's University.

Halgan Ahmed. (2018). *Data-driven education*, (MEd, Capstone project), Queen's University.

Jan Jones. (2018). *Implementation of authentic assessment tasks in science at an international school*, (MEd, Capstone project), Queen's University.

Shannon Thomsen. (2018). *Curriculum redesign: DMST 381, Vascular sonography 3*, (MEd, Capstone project), Queen's University.

Annessa Cadogan Charles. (2017). *Educational professionals' perceptions of challenges Aboriginal students face in postsecondary education*, (MEd), McGill University

Alyssa Marie Wilson and Allan Senzilet-Fink. (2013). *Strategies for teaching physical Education to students with autism spectrum disorders*, (MEd), McGill University.

Valerie Bibeau and Lucy T. Pinilla. (2013). *The processes of second language acquisition, the benefits of the intensive teaching method, and the successful integration of high-ability students in second language classes*, (MEd), McGill University.

Hilary Greenstone. (2013). *Parents as partners in the education of their children*, (MEd), McGill University.

Joan Henchey. (2013). *Self-regulated learning strategies for teaching in Quebec*, (MEd), McGill University.

Kristen Nicole Bastet. (2013). *New elementary teachers' challenges and perceived principal support*, (MEd), McGill University.

SELECTED MEDIA

ARTICLES

Actualités UQAM (2019, June). *Soutenir les étudiants autochtones: Quelles sont les sources de motivation des jeunes Autochtones pour poursuivre leurs études postsecondaires?* [[link](#)]

Bragoli-Barzan, L., & **Chichekian, T.** (2019). Motivations des étudiants autochtones: Pourquoi étudier au niveau collégial? *The Conversation* [[link](#)]

Chichekian, T. (2019). Unrealistic striving for academic excellence has a cost. *The Conversation* [[link](#)]