Curriculum vitae

Mehdi Purmohammad

Ph.D. student in Special Education
Faculty of Education   Mobile: 7807106648
College of Social Sciences and Humanities   E-mail: purmoham@ualberta.ca
University of Alberta   6-107A Education Centre - North

Education

Ph.D. student (2023-present). Special Education. University of Alberta, Canada

Supervisor: Professor Lesly Wade Woolley

Ph.D. (2015) Psycholinguistics, University of Bern, Switzerland

MSc. (2012) Psychology of Language, The University of Edinburgh, UK

M.A. (2009) Teaching Persian to non-Persian speakers, Allameh Tabataba'i University, Iran

B.A. (1998) Teaching English, Isfahan University, Iran

Research interests

Dyslexia, reading difficulties, bilingualism, language and other cognitive functions

Professional positions

- The Orton-Gillingham tutor, 2024-current, The Scottish Rite Charitable Foundation Learning Centre for Edmonton
- Grade 1 volunteer Reading intervention tutor, 2024, Garneau Public School, Edmonton,
- Former Faculty member of the Institute for Cognitive and Brain Sciences, Shahid Beheshti University (January 2020- August 2023)
- Former Faculty member of the Institute for Cognitive Science Studies (2015-2020)
- Head of Research and Education, Institute for Cognitive Science Studies, Iran (2017-2020)
- Head of non-English languages department, Iran Language Institute, Iran (2015- 2019)
- Farsi language tutor, Iran Language Institute, Iran, 2008-2009
- English language teacher, The Ministry of Education, Iran (1998-2010)

Certificate

Alberta Early Childhood Educator Certification – Level 1

Undergraduate teaching

PSYCH 323 - Infant and Child Development, University of Alberta, Winter, 2024

• **Postgraduate Teaching Experiences**

• **Language and Cognition**, The University of Shahid Beheshti, Iran, 2020-2019
• **The Principles of Cognitive Linguistics**, The University of Shahid Beheshti, Iran, 2020-2022
• **Cognitive Linguistics**, Institute for Cognitive Science Studies, 2015- 2020
• **Research methods in Cognitive Science of Language**, Institute for Cognitive Science Studies, 2015- 2020
• **Language and Cognition,** Institute for Cognitive Science Studies, 2017- 2019
• **Psycholinguistics**, The University of Allameh Tabatabai, Iran, 2016

Graduate Teaching Assistantships

♦ EDPY 458-Assessment and Programming for Children with a Specific Reading Disability,

Instructor: Professor George Georgiou, Winter 2024, University of Alberta.

♦ EDPY 301 Inclusive Education: Adapting Instruction for Students with Special Needs, Winter 2024,

University of Alberta.

Graduate Research Assistant

♦ Graduate research assistant, University of Alberta, 2023-2024

Collaborated with a team of researchers to collect, and score large datasets on early universal language screening in primary grades, resulting in the identification of key trends and insights that contributed to the publication of a high-impact research paper, supervised by **Professor Lesly Wade Woolley.**

♦ Graduate research assistant, University of Alberta, 2024

Collaborated with a team of researchers to collect, and score large datasets on early universal language screening in primary grades, resulting in the identification of key trends and insights that contributed to the publication of a high-impact research paper, supervised by **Professor George Georgiou**

Awards

● Alberta Graduate Excellence Scholarship (AGES), University of Alberta, 2023

● Seed Money Award for Research and Young Researcher promotion, University of Bern, Switzerland, 2013

● Josephine de Karman funds, University of Bern, Switzerland, 2014

● Gained second place in Translation in "TEACHER BOOK SELECTION FESTIVAL", Iran, The Ministry of Education, 2003

● Gained third place in Translation in "TEACHER BOOK SELECTION FESTIVAL", Iran, Ministry of Education, 2001

PUBLICATIONS
Peer Reviewed Journal Articles

Soleimani Tekbudak, F., **Purmohammad, M**., Ozkan, A., & Acarturk, C. (accepted). The PSR Corpus: A Persian Sentence Reading Corpus of Eye Movements. *Behavior Research Methods.*

Amidi, A., Golfam, A., **Purmohammad**, M.. (2024). Gender representations in the poetry of Frough Farokhzad and Ahmad Shamlou: Integrating cognitive poetics and critical discourse analysis. *Advances in Cognitive Sciences*.25(4):156-173. http://dx.doi.org/10.30514/icss.25.3.141

Behradmehr, M. & **Purmohammad, M**. (2024). *Investigating psycholinguistic variables on the reaction time of vocabulary retrieval in normal elderly people based on Levelt's word production model*. Poster presented at International Conference on Cognitive Science. Iran.

Dalir, D., **Purmohammad, M**. (corresponding author), Golfam, A., Khosroabadi, R., Karbalaeisadegh, M. (2024). The Neural Response to the Syntactic Processing of wh-Complements in Persian within Adult Verbal Entries, Based on Lexical-Functional Grammar, *Journal of Language Researches*, No. 2, Vol.14, Autumn & Winter, Serial No. 27 (25-53). DOI:10.22059/jolr.2024.365010.666855.

Shadmani, M., Monshizadeh, M., Golfam, A., & **Purmohammad, M**. (2024). Cognitive Semantics, Philology and Persian Literature: Towards a diachronic analysis of conceptual mappings of the two Persian words, RUX and RŪY, based on the Prototype Theory. *Language Studies, Institute for Humanities and Cultural Studies (IHCS) Biannual Journal*, Vol. 15, No. 2,75-115, doi: 10.30465/ls.2023.42344.2074

Shamsa, R, **Purmohammad, M**, Mashhadi, A, & Salimi, Z. (2023).Validation of the Cardillo metaphorical package for testing neural hypotheses about metaphor and its comparison in patients with obsessive-compulsive disorder and normal individuals. *Advances in Cognitive Sciences*. 25(2):158-175. URL: http://icssjournal.ir/article-1-1531-en.html

Zalzadeh, Z., Nemati, F., **Purmohammad**, M. (2023). *The emotional impact of lexical arousal on foreign language vocabulary learning*. Poster presented at Words in the World International Conference. Canada.

Alirezaloo, N., **Purmohammad, M**., Hasani Abharian, P., Nami, M., & Biglarian, A. (2023). The Comparison of perception of the metaphor in Turkish and Persian bilingual 7-11 years old children, *Iranian Journal of Comparative Linguistic Research*, *12*(24), 159-185. doi: 10.22084/rjhll.2023.26790.2239

Purmohammad, M. (2023). Language Selection in Bilingual Speakers: A Multidisciplinary Approach. *Interdisciplinary Studies in English Language Teaching*. Volume 2. Issue 1. 51-69. doi:10.22080/iselt.2023.24690.1045

Nasiri, M., Moayyefar, S. **Purmohammad, M**. & Ghasisin, L., (2022). Investigating Sentence Processing and Working Memory in Patients with Mild Alzheimer and Healthy Aged People. *PLoS ONE*, 17(11): e0266552. https://doi.org/10.1371/journal. pone.0266552

Purmohammad, M., Vorwerg, C. & Abutalebi, J. (2022). The processing of bilingual (switched) compound verbs: Competition of words from different categories for lexical selection. *Bilingualism, Language and Cognition*. 1–13. https://doi.org/10.1017/S1366728921001103

Ebrahimi, A., Hemmatian, B., & **Purmohammad, M.** (2022). The moderation effect of Illusion of Explanatory Depth of Knowledge towards National and International Issues. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 44. Retrieved from https://escholarship.org/uc/item/5r69b9qx

Irani, D., & **Purmohammad, M.** (2023). Comparison of language awareness in Kurdish-Persian bilingual children and Persian monolingual children. *Applied neuropsychology. Child*, *12*(1), 56–63. https://doi.org/10.1080/21622965.2022.2029447

Panahinejad, H., Safavimanesh, F., **Purmohammad, M**., Jahanitabesh, A., & Hajimoladarvish, N. (2022). The Role of Conceptual Metaphors in Economics Phenomena from Behavioral Economics Aspect. *Language Related Research*. 12 (6): 299-337. URL: http://lrr.modares.ac.ir/article-14-46689-en.html

Alizadeh, A., Kelarestaghi, M., **Purmohammad, M**. & Safavimanesh, F. (2022). Computational Modeling of the Effects of the Two-Sided Message on Perceived Strength of an Argument. *Contemporary Psychology*, 15 (1). 1-12, URL:http://lrr.modares.ac.ir/article-14-46689-en.html.

Derakhshan, A. **Purmohammad, M**. & Safavimanesh, F. (2021). Investigation of the relationship between bilingualism, spatial perspective-taking ability, and self-regulation. *Journal of Advances in Cognitive Sciences.* 23 (3): 41-5. URL: http://icssjournal.ir/article-1-1191-en.html

Hakimi, S. & **Purmohammad, M**. (corresponding author), Hakimi, M. (2021). The Role of Construction Similarity and Verb Tense on the Construction of Integrated Syntactic Representations in Bilinguals. *Journal of Researches in Linguistics*, 12(2), 263-283. doi: 10.22108/jrl.2021.127441.1556

Soltani, V., Nilipour, R., **Purmohammad, M**. & Hasani-Abharian, P. (2021). An embodiment of conceptual metaphors and comprehension of abstract concepts in 5 to 7-year-old Persian Speaking Children. *Language Related Research*. 12 (2): 479-505, doi.org/10.29252/LRR.12.2.15, URL: http://lrr.modares.ac.ir/article-14-34161-fa.html

DaneshPajouh, R. **Purmohammad**, M. & Mahdavi, A. (2020). Effectiveness of Problem-Solving Training to Improve Employee's Job Satisfaction and Creativity. *Social Cognition*, Vol. 9, No. 1, (Series 17),107-122. https://doi.org/10.30473/sc.2020.42776.2285

Shafiei, F., Ghassemzadeh, H., Ashayeri, H., Safavimanesh, F., & **Purmohammad, M**. (2020). Domain mapping or schematic mapping?! How source domain in metaphor projects on target domain: visual and auditory short-term recognition. *Language-related research*. 11 (2):85-113. URL: http://lrr.modares.ac.ir/article-14-32339-fa.html

Khosravi, A, Kelarestaghi, M., & **Purmohammad, M**. (2020). Emotion Detection in Persian Text; A Machine Learning Model, *Contemporary Psychology*, 14 (1), 42-48. http://dx.doi.org/10.32598/bjcp.13.1.2

Moayedfar, S., **Purmohammad**, **M**., Shafa, N., Shafa, N., & Ghasisin, L. (2019). Analysis of naming processing stages in patients with mild Alzheimer. *Applied Neuropsychology*: *Adult*. 28:1, 107-116, https://doi.org/10.1080/23279095.2019.1599894

Khalili Ardali, M., **Purmohammad, M**., Ujwal Chaudhary, U., Birbaumer, M. & Rana, A. (2019). Semantic and BCI-Performance in completely paralyzed patients: the possibility of language attrition in completely locked-in syndrome. *Brain and Language*. 194:93-97. https://doi.org/10.1016/j.bandl.2019.05.004

Soltani, V. Nilipour, R. **Purmohammad, M**.(corresponding author) & Abharian, P. (2019). Comprehension problems of Conceptual Embodied Metaphors in 5 to 7-year-old hearing impaired Persian speaking children. *Function and Disability Journal*. 2.15. URL: http://fdj.iums.ac.ir/article-1-86-en.html.

Purmohammad, **M**., Shamsa, R. & Torabi, L. (2019). The semantic network of verb prefix: "for" in terms of a cognitive semantics approach. *Advances in Cognitive Sciences*. Vol. 21, No. 2. 61-73. URL: http://icssjournal.ir/article-1-1025-en.html

Mehrpure, Z. Moradi, A. Dabbagh, H., Moghaddasin, M. & **Purmohammad, M.** (2019). Efficiency of Metaphorical Stories and Literal Instructions on Attention and Response Control in Attention Deficit/ Hyperactivity Disorder Children. *Medical Journal of Mashhad University of Medical Sciences*, Vol. 62, Special Issue1, 821-831. https://mjms.mums.ac.ir/article_14113.html

Vaseq, M. & **Purmohammad, M**. (corresponding author) (2019). Dominant Views on Gender and Underrepresenting Women's Character in Children's Picture Books. *The Journal of Sociolinguistics,* Vol. 3, N 2, 55-66. https://doi.org/10.30473/il.2019.44269.1235

Meshkinmehr, A. **Purmohammad, M**. Nushi, M. & Talkhabi, M. (2019). Investigating the Effect of Applying Brain-based Learning Principles on the Learning and Retention of Vocabulary by EFL. *Critical Language & Literary Studies*, Vol.16, NO. 22, 239-269. https://doi.org/10.29252/clls.16.22.239

Purmohammad, M. (2017). Cognitive Linguistics. In K. Kharrazi, *An Introduction to Cognitive Sciences and Technologies: its applications*. 161-133. Samt, Iran.

Purmohammad, M., & Abbasi, Z. (2016). *Applying Cognitive linguistics approaches in second language acquisition: A focus to teaching Persian to non-Persian speakers*. 1094-1119. Xamush Publication, Tehran.

Purmohammad, M. (2015). Grammatical encoding in bilingual language production: A focus on code switching. *Frontiers in Psychology*. 6:1797. https://doi.org/10.3389/fpsyg.2015.01797

Purmohammad, M. (2015). Linguistic Alignment in L1-L2 Dialogue. *Language and Dialogue*, John Benjamins Publishing, Vol. 5(2), 312–333. https://doi.org/10.1075/ld.5.2.07pur

Purmohammad, M. (2015). *Processes of language selection in bilinguals: A focus on models of bilingual language production and comprehension*. In Editum, PERSPECTIVAS LINGÜÍSTICAS., 117-132. Spain.

Purmohammad, **M**. (2009). *Xatā-hā-ye vājehgāni ma'nā'i va ramzgardāni-ye guyešvarān-e Māzandarāni (Bāboli) dar Fārsi-e goftār [Lexico-semantic Errors and Code switching in the speech of Māzandarāni (Bāboli) Speakers of Persian]* (Master's Thesis). Allāmeh Tabātabā'i University. Tehran. Iran.

Purmohammad, M. (2008). *Ta'ārif-e dozabānehgi: Entexāb-e ta'rif-i motenāseb bā dozabānehgi dar Māzandarān [Bilingualism definitions: Choosing a definition that best fits Bilingualism in Māzandarān]*. In Z., Tājeddin, & Z. Abbāsi, (Eds.). Teaching Persian to non-Persians Seminar (pp. 71-82). Iran Language Institute, Tehran. Iran.

Purmohammad, M. (2008). *Ramzgardāni dar goftār-e guyešvarān-e dozabāneh: Bā ta'kid bar ramzgardāni-ye guyešvarān-e Māzandarāni (Bāboli) dar goftār-e Fārsi (Code switching in Bilinguals' speech production: A focus on code switching in the speech of Mazandarani (Baboli) speakers of Persian)*. In Z., Tājeddin, & Z. Abbāsi, (Eds.). Teaching Persian to non-Persians Seminar (pp. 83-106). Iran Language Institute, Tehran. Iran.

BOOKS

Purmohammad, M. (2024). *The Parents' Guide to Dyslexia: Practical Strategies for Success and Understanding: An extensive theoretical and practical guide for parents of children with dyslexia and teachers*, [Kindle version]. https://www.amazon.com/dp/B0DCT3JDB8?ref_=pe_93986420_774957520

Purmohammad, M. (2021). *New methods and tools in language studies*. SAMT.Tehran, Iran.

Purmohammad, M. (2019). *Psycholinguistics*. SAMT.Tehran, Iran.

Purmohammad, M. (2014). *Elementary Persian for non-Heritage learners of Persian (Farsi): Teaching Persian to non-Persian Speakers(3)*. CreateSpace, An Amazon Company. http://www.amazon.com/Elementary-Persian-non-Heritage-learners-Farsi/dp/1494893487/ref=asap_B00J6PW580?ie=UTF8

Purmohammad, M. (2013). *Learn to Speak Persian: Speaking Skill for Intermediate learners of Persian: Teaching Persian to non-Persian speakers*. CreateSpace, An Amazon Company. http://www.amazon.com/Learn-Speak-Persian-Intermediate-non-Persian/dp/1493672304/ref=asap_B00J6PW580?ie=UTF8

Purmohammad, M. (2013). A*n applied Persian Grammar, Speaking as the macro-skill, Teaching Persian to non-Persians*. CreateSpace, An Amazon Company. http://www.amazon.com/Applied-Persian-Grammar-Speaking-macro-skill/dp/1493537601/ref=asap_B00J6PW580?ie=UTF8

Grant received for research projects

Purmohammad, M. (2021). The role of frequency and number of neighboring words in reading intensified words and the role of attention and working memory performance in the comprehension of complex syntax sentences in dyslexic children, (Report No. 11990), Cognitive Sciences and Technologies Council, Tehran, Iran

Purmohammad, M. (2019). Investigation of Reaction Time for different levels of word retrieval in healthy aged people and young and middle-aged people based on Levelt's speech production Model, (Report No. 8243), Cognitive Sciences and Technologies Council, Tehran, Iran

Purmohammad, M. (2017). The role of construction similarity and verb tense on the construction of integrated syntactic representations in bilinguals, (Report No. 6288) Cognitive Sciences and Technologies Council, Tehran, Iran

Language proficiency questionnaire adaptation

Marian. V., Blumenfeld, H., & Kaushanskaya, M. (2007). The Language Experience and Proficiency Questionnaire (LEAP-Q): Assessing language profiles in bilinguals and multilinguals. *Journal of Speech Language and Hearing Research,* 50 (4), 940-967. (English for Switzerland, adapted by **Mehdi Purmohammad**, Universität Bern, & Max R. Freeman, Northwestern University)

Science Communication

Purmohammad, M. (17 June, 2024). *The prevalence of reading difficulties* [Video].YouTube. https://www.youtube.com/watch?v=CLpVbKwe9YY&t=94s

Purmohammad, M. (16 June, 2024). *What is dyslexia* [Video].YouTube. https://www.youtube.com/watch?v=b_sk18ZuXno&t=151s

Purmohammad, M. (12 June, 2024). *Developmental Language Disorder* [Video]. YouTube. https://www.youtube.com/watch?v=qDxV0RSKAWU&t=3s

Invited talks and presentations

Purmohammad, M. (11 July, 2024).The nature of Dyslexia and the major challenges to the phonological deficit theory of Dyslexia. Shenakht Center, Tehran, Iran.

Purmohammad, M. (15 March, 2024). Dyslexia. Definition and new development. Institute for Cognitive Science Studies. Tehran, Iran.

Purmohammad, M. (3-5 May, 2023). A processing model of Bilingual (Switched) Compound verb. Presented at The first international conference on the Science of Language and the Brain. Tehran, Iran.

Purmohammad, M. (18 Feb, 2022).The role of language in Cognitive functions. Presented at the 10th Iranian Symposium of Cognitive Neuropsychology. Tehran, Iran.

Purmohammad, M. (27 July 2021). An introduction to Psycholinguistics and Neurolinguistics. Presented in National Brain Mapping Laboratory. Tehran, Iran.

Purmohammad, M. (April 2021). Psycho-neurolinguistics of codeswitching in bilingual speakers. Presented in National Brain Mapping Laboratory. Tehran, Iran.

Purmohammad, M. (2020). Language and Emotion. Presented in the summer school of The Emotional Mind. Tehran, Iran.

Purmohammad, M. (2018). Language processing and language control in bilinguals: A neuro-psycholinguistics approach, Brain & Cognition Clinic, Tehran, Iran.

Purmohammad, M. (2017). Neurolinguistics, bilingualism and second language material development. Presented in Shahid Beheshti University. Tehran, Iran.

Purmohammad, M. (2017). Teaching in multilingual classrooms: A focus on teaching Persian to non-Persians. Presented at Shahid Beheshti University Tehran, Iran.

Purmohammad, M. (February 2016). The production of Bilingual compound verb: A psycholinguistic study, The University of Shahid Beheshti. Tehran, Iran.

Purmohammad, M. (2015). The processing of bilingual compound verbs. Presented in WinterSchool, The University of Fribourg. 2-4 February. Switzerland.

Purmohammad, M. (2014). Grammatical encoding in the production of Bilingual compound verbs. Presented at BeLing-Kolloquium HS 2014. University of Bern. Switzerland.

Purmohammad, M.(2013). Code switching: a touchstone of bilingual language production models. A PhD Workshop, Presented at Institute of Multilingualism, University of Fribourg. Switzerland.

Purmohammad, M. (2013). Language processing of Code switching within Persian compound verbs. Presented at BeLing-Kolloquium HS 2013. University of Bern. Switzerland

Purmohammad, M. (2012). The Lexical Semantic Interference Model (LSIM) in bilingual language production. Presented at the 33rd Language at Edinburgh Lunch, University of Edinburgh. UK.

Translations

Farhat, H., (1990). *The Dastgah Concept in Persian Music*, Part Publication, Translated by Purmohammad, Mehdi, (1380), Part Publication: Tehran, Iran.

Zonis, E. (1973). *The Classical Persian Music,* Translated by Purmohammad, M. (1378), Part Publication, Tehran, Iran.

Farhat, H. (1973). *The Traditional art music of Iran*, Translated by Purmohammad, M. (1378), Part Publication, Tehran. Iran

Gerson-Kiwi, (1963). *The Persian Doctrine of Dastga-composition, A Phenomenological study in the Musical Modes*, Translated by Purmohammad, M. (1384), Honar o Farhang Publication: Tehran. Iran

Nettle, B. (1972). *Daramad-e Chahargah, A Study in the performance practice of Persian Music*, Translated by Purmohammad, M. (1383), Faslname-ye Honar, Ministry of Culture and Art, Tehran. Iran.

Membership

The International Dyslexia Association (2024-)

Ad hoc Reviewer

Journal of Advances in Cognitive Science

Journal of Comparative Linguistics

References

Available upon request