

# Curriculum Vitae

## Abolfazl Rafiepour

(Associate Professor in Mathematics Education)

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### Research Interests

- **Mathematical Modeling & Application;**
  - The Role of History of Mathematics in Mathematics Education;
  - Ethno-Mathematics & Ethno-Modeling (Informal mathematics);
  - Problem solving and problem posing process;
- **Teaching Math with Technology;**
  - Computational Thinking;
- **Comparative Studies in Mathematics education;**
  - Curriculum Study in mathematics education;
- **Teacher Education.**

### Languages

**English** (Competent)      **Farsi** (Fluent, mother tongue)      **Arabic** (Basic proficiency)

### IT Skills

Office (Word, excel, PowerPoint ...)	Expert
Internet (Ability to search in math education related database)	Expert
Data Analysis with appropriate software such as SPSS	Expert
Programming (non web)	Basic

### Educational Background

**Mathematics/ Mathematics education, PhD**

August 2010

Shahid Beheshti University, Tehran, Iran

**Title of PhD Thesis:** " *Designing a Framework for Balancing the Secondary School Mathematics Curriculum in Iran* "

**Mathematics education, Master degree** December 2003  
 Shahid Beheshti University, Tehran, Iran  
**Title of Master Thesis:** *"Why the Mathematics Performance of Iranian Students in TIMSS was Unique?"*

**Mathematics/ Teaching math, Bachelor of Science** February 2001  
 Zanzan University, Zanzan, Iran

### Sabbatical Leave and other Research Based Travel around the world

<b>24<sup>th</sup> ICMI Study</b> (School Mathematics Curriculum Reforms: Challenges, Changes and Opportunities)	Nov 2018
<b>Sabbatical Leave</b> Brock University, Ontario, Canada Working with Professor Chantal Buteau	Sep 2017-Sep 2018
<b>13<sup>rd</sup> International Congress in Mathematics Education,</b> Germany	July 2016
<b>10<sup>th</sup> International European Congress in Mathematics Education,</b> Ireland	Feb 2016
<b>10<sup>th</sup> International European Congress in Mathematics Education,</b> Ireland	Feb 2015
<b>Short Term Visit</b> of USA Institutes related to Mathematics Education	Jan 2014- Feb 2014
<b>9<sup>th</sup> International European Congress in Mathematics Education,</b> Czech Republic	Feb 2013
<b>12<sup>nd</sup> International Congress in Mathematics Education,</b> South Korea	July 2012
<b>8<sup>th</sup> International European Congress in Mathematics Education,</b> Turkey	Feb 2012
<b>Sabbatical Leave</b> The University of Melbourne, Melbourne, Australia Working with Professor Kaye Stacey	Sep 2008-May 2009

### Professional Background

<b>Visiting Professor</b> at Brock University, Canada	Sep 2017-Sep 2018
<b>Associate Professor</b> at Shahid Bahonar University of Kerman-Kerman- Iran.	Feb 2015- now
<b>Assistant Professor</b> at Shahid Bahonar University of Kerman-Kerman- Iran.	Sep 2010- Feb 2015
<b>Lecturer at university level</b> for mathematics and mathematics education courses, teaching the following courses at <b>Tarbiat</b>	Sep 2009-sep 2010

<b>Moallem University:</b> preliminary mathematics, teaching method for pre-service mathematics teacher.	
<b>Lecturer at university level</b> for mathematics and mathematics education courses; teaching the following courses at <b>Shahid Beheshti University:</b> Pre-university mathematics for social Science students, preliminary mathematics for social science students, design and study of learning and mathematics education problems for mathematics students.	Sep2004-July2008
<b>Mathematics Curriculum Developer</b> at the Office for Curriculum Development and Textbook Writing of the Ministry of Education.	May2004-Nov2004
<b>Junior and senior Secondary school Mathematics Teacher.</b> Ministry of Education. Tehran. Iran.	Sep2001- Sep 2008
<b>Computer Site Assistant during my Bachelor</b> at University of Zanjan.	1998 - 2001
<b>Teaching Assistant during my Bachelor</b> for the following courses at Zanjan University: Calculus I & II, Differential Equations, Algebra I, Linear Algebra.	1998 - 2001

### Administrative Background

<b>Chair of Statistics Education day</b> in 13 <sup>th</sup> Iranian Statistics Conference in Kerman.	22 August 2016
<b>Member of Executive Committee</b> in 13 <sup>th</sup> Iranian Statistics Conference in Kerman.	23-25 August 2016
<b>Member of Scientific Committee</b> in 14 <sup>th</sup> Iranian Mathematics Education Conference in Shiraz.	October 2015- September 2016
<b>Executive Vice President-</b> Faculty of Mathematics and Computer- Shahid Bahonar University of Kerman	October 2015 until Sep 2017
<b>Member of Scientific Committee</b> in 13 <sup>th</sup> Iranian Mathematics Education Conference in Tehran.	February 2014- September 2014
<b>Member of Scientific Committee</b> in 45 <sup>th</sup> Annual Conference of Iranian Mathematics Society in Semnan.	February 2014- September 2014
<b>Member of Editorial Board</b> of Mathematical Culture and Thought (Farhang & Andisheh Riazi) (Iranian Mathematics Society)	November 2013 Until Now
<b>Senior Editor</b> of Mathematical Culture and Thought (Farhang & Andisheh Riazi) (Iranian Mathematics Society)	November 2013 until Nov 2016
Member of Central Committee for Iranian Mathematical Houses ( <b>Vice principal</b> )	Sep 2012 until Sep 2016
<b>Director</b> of Kerman Mathematical House- Kerman- Iran.	Oct 2011 until March 2013

<b>Chair</b> of forth Festival of Kerman Mathematical House-Kerman- Iran.	27-28 Oct 2012
<b>Chair</b> of third Festival of Kerman Mathematical House-Kerman- Iran.	27-28 Oct 2011

### Teaching Course in Bachelor

<b>Title of Course</b>	<b>University</b>	<b>Academic Year</b>
Technology & Mathematics Education	Brock University, Canada	Sep 2017-Dec 2018
Using Software in Mathematics Education	Farhangian (Teacher Training) University (Shahid Bahonar Campus & Khaje Nasir Campus)	Jan 2017-Aug 2017
Curriculum Studies for mathematics Education	Farhangian (Teacher Training) University (Shahid Bahonar Campus & Khaje Nasir Campus)	Sep 2016-Jan 2017
Concepts and Teaching Methods of Primary Mathematics	Shahid Bahonar University of Kerman	Sep 2015-Jan 2016
Mathematics Education 1	Kharazmi University	Sep 2009-Aug 2010
Mathematics Education 2	Kharazmi University	Sep 2009-Aug 2010
Mathematics 1 (Calculus 1)	Shahid Bahonar University of Kerman	Sep 2010-Jan 2012
Mathematics 2 (Calculus 2)	Shahid Bahonar University of Kerman	Jan 2014-Aug 2015
Mathematics Education 1	Shahid Bahonar University of Kerman	Sep 2010-Aug 2013
Mathematics Education 2	Shahid Bahonar University of Kerman	Jan 2011 -Aug 2011
Mathematics & Statistics for Architecture	Shahid Bahonar University of Kerman	Sep 2010-Jan 2016
Elementary Math for Social Sciences	Shahid Beheshti University	Sep 2006- Aug 2008
Fundamental of Mathematics for Social Sciences	Shahid Beheshti University	Sep 2006- Aug 2008
Design and Study of Teaching and Learning Difficulties in Mathematics	Shahid Beheshti University	Jan 2007- July 2007
Differential Equation	Shahid Beheshti University	Summer 2008

### Teaching Course in Graduate level

<b>Title of Course</b>	<b>University</b>	<b>Academic Year</b>
Technology & Mathematics Education	Brock University, Canada	Sep 2017-Dec 2018

Psychology of Mathematics Education	Shahid Bahonar University of Kerman	2014, 2015.
Psychometry	Shahid Bahonar University of Kerman	2014
Modeling and Application in Mathematics Education	Shahid Bahonar University of Kerman	2010, 2011, 2012, 2013, 2014, 2015, 2016.
Research Method (Master)	Shahid Bahonar University of Kerman	2011, 2012, 2013, 2014, 2015, 2017, 2018.
Topics in Research Method (PhD)	Shahid Bahonar University of Kerman	2012, 2014, 2015, 2016.
Principal of Mathematics Education	Shahid Bahonar University of Kerman	2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018.
Seminar in Mathematics Education	Shahid Bahonar University of Kerman	2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018.
Seminar in Mathematics Education	Islamic Azad University of Kerman	2011, 2012.

## Publications

### Research Journal

- Kazemi, F. Rafiepour, A. & Fadaie, M. (2019). Investigate content knowledge and pedagogy content knowledge of the primary school teachers and its relation with the students' problem-solving ability at mathematical fractions. *Research in Curriculum Planning (peer reviewed Journal in Persian Language)*. Vol. 16, No. 33. Pp. 104-120.
- Dorri, M. & Rafiepour, A. (2018). Evaluating of Rational Number Misconception Test (RNMT) Using Rasch Model. *Quarterly Journal of Educational Measurement (peer reviewed Journal in Persian Language)*, 8 (32), 103-126.
- Kazemi, F.; Rafiepour, A. & Fadaee, M. R. (Accepted). Investigating Content Knowledge and Pedagogical Content Knowledge of Primary Teachers and its relation to Problem Solving Ability of Students in Fraction, *Research in Curriculum Planning (peer reviewed Journal in Persian Language)*. Vol. ?, No. ?. Pp. ?-?.
- Ahmadpour, F.; Fadaee, M. R. & Rafiepour, A. (2018). Necessity of Re-examining about Content of Mathematics Textbooks at Grade 7 and 8 from Reasoning and Proof Point of View, *Quarterly Journal of Curriculum Studies (JCS)* (peer reviewed Journal in Persian Language). Vol. 12, No. 46. Pp. 59-84.
- Kazemi, F. & Rafiepour, A. (2018). Developing a Scale to Measure Content Knowledge and Pedagogy Content Knowledge of In-Service Elementary Teachers on Fractions. *International Journal of Science and Mathematics Education*. 16:737-757. DOI: 10.1007/s10763-016-9792-0.

- Rafiepour, A. (2017). The Gap between Theory and Action through a Model for Classroom Inquiry. *International Journal on Emerging Mathematics Education (IJEME)*. Vol. 1, No. 2, pp. 185-192. DOI: <http://dx.doi.org/10.12928/ijeme.v1i2.6698>
- Moradalizadeh, A. & Rafiepour, A. (2017). Ethno-Mathematics: An Ethnographic Study of Carpet Weavers in Kerman. *Quarterly Journal of Education* (peer reviewed Journal in Persian Language). Vol. 33, No. 3. pp. 35-54. Iran: Ministry of Education.
- Abdolahpour, K. & Rafiepour, A. (2017). Phenomenology of Modeling Cycle of Grade Ninth Students in Solving an Authentic Problem. , *Journal of Technology of Education* (peer reviewed Journal in Persian Language). Vol. 11, No. 3. pp. 237-248. Iran: Shahid Rajaei Teacher Training University.
- Firozian, F. Fadaee, M. & Rafiepour, A. (2017). Qualitative Investigation of the role of Reflection which used by Engineering Students in Mathematical Problem Solving. *Iranian Journal of Engineering Education*. Vol. 19, No. 74. pp. 51-70. Iran: National Academy of Science.
- Rafiepour, A. (2016). Potential Capacities and Obstacles of Using “Application and Modelling” in Tertiary Mathematics Education. *Journal of Higher Education Curriculum* (peer reviewed Journal in Persian Language), Vol. 6, No. 12, 173-188.
- Esmaili, M. & Rafiepour, A. (2015). Identification of Effective Factors in Iranian Eighth Grade Students’ Mathematics Achievement Based on TIMSS 2011. *Journal of Educational innovation* (peer reviewed Journal in Persian Language), 14 (53), 56-76.
- Faramarzpour, N. & Rafiepour, A. & Hoseinchari, M. (2015). Investigating Psychometric Characteristics of Mathematical Beliefs Scale. *Quarterly Journal of Educational Measurement* (peer reviewed Journal in Persian Language), 6 (19), 173-188.
- Mehraein, S. & Rafiepour, A. (2014). Gender and Mathematical Modelling Competency: Primary Students’ Performance and Their Attitude. *Procedia - Social and Behavioral Sciences*. Vol. 128. Pp: 69-81.
- Rafiepour, A. (2014). Investigation the Role of Type of Schools in Proportional Reasoning of Students, *Research in Curriculum Planning* (peer reviewed Journal in Persian Language). Vol. 11, No. 15. Pp. 24-33.
- Kazemi, F., Rafiepour, A., & Fadaie, M. (2014). The Effect of a Metacognitive Innovative Approach on University Students’ Attitude and Academic Achievement in Mathematics. *Indian Journal of Scientific Research*. Vol. 4, No. 3. Pp: 69-81.
- Rafiepour, A. (2014). Modelling and application: A research domain in mathematics education. *Journal of Theory & Practice in Curriculum*. Vol.2 (3); 93-116.
- Faramarzpour, N. & Rafiepour, A. (2014). Gender beliefs Related to math in Minds of students. *Journal of Curriculum Studies (J.C.S.)*, 9 (34), 117-132.
- Ahmadpour, F.; Fadaee, M. R. & Rafiepour, A. (2013). Investigation the relationship between beliefs and components of constructivism in mathematics classroom environment, *Research in Curriculum Planning* (peer reviewed Journal in Persian Language). Vol. 10, No. 9. Pp. 87-98.
- Rafiepour, A. & Jokar, L. (2013). Investigation the Role of Gender and Grade in Students Mathematics Performance in solving a none-Routine Problem, *Journal of Educational*

- innovation* (peer reviewed Journal in Persian Language). Vol, 48. Pp. 27-44. Iran: ministry of Education.
- Rafiepour, A. (2012). Introducing a Model for Mathematics Classroom Inquiry, *Journal of Technology of Education* (peer reviewed Journal in Persian Language).vol. 6, No. 4.pp. 305-315. Iran: Shahid Rajaei Teacher Training University.
- Rafiepour, A.; Stacey, K. & Gooya, Z. (2012). Investigating Grade Nine Textbook Problems for Characteristics Related to Mathematical Literacy. *Mathematics Education Research Journal*. 24 (4): 403-421.
- Rafiepour, A. (2012). Content Analysis of Calculus Textbook Problems upon Modeling Approach. *Quarterly Journal of Curriculum Studies (JCS)* (peer reviewed Journal in Persian Language). Vol. 6, No. 24. Pp. 135-156.
- Ahmadpour, F.; Fadaee, M. R. & Rafiepour, A. (2012). High School Mathematics Teachers' Beliefs about Mathematics and Mathematical Problem Solving, *Quarterly Journal of Curriculum Studies (JCS)* (peer reviewed Journal in Persian Language). Vol. 6, No. 24. Pp. 203-220.
- Rafiepour, A. & Gooya, Z. (2010). The Necessity and Direction of Educational Changes in School Mathematics Curriculum in Iran from Teachers' Perspective, *Journal of Educational innovation* (peer reviewed Journal in Persian Language). Vol. 33, Pp. 91-120. Iran: ministry of Education.
- Journal Article**
- Rafiepour, A. & Gooya, Z. (2019). ICMI Study 24, Japanese Classroom. *Roshd Mathematics Educational Journal*. No 132. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 95-101.
- Moradalizadeh, A. & Rafiepour, A. (2016). The Mutual Role of Mathematics and Culture. *Journal of the Popularization of Science* (peer reviewed Journal in Persian Language)., Vol. 7, No. 10, pp: 7-22.
- Rafiepour, A. & Faramarzpour, N. (2016). (Translation of) Benny's Conception of Rules and Answers in IPI Mathematics. *Mathematical Culture and Thought (Farhang & Andisheh Riazi, Persian Math Magazine)*. Iranian Mathematical Society. Vol. 35, No. 58, Pp: 159-183.
- Zandi, B. & Rafiepour, A. (2016). Using Critical Approach for solving a modeling problem. *Roshd Mathematics Educational Journal*. No 125. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 6-11.
- Esmaili, M. & Rafiepour, A. (2016). Newman Error Analysis of Grade 5 students in solving word problem. *Ettihad Magazin*. No. 11 & 12.
- Rafiepour, A. (2014). Reaction to New Math Era. *Mathematical Culture and Thought (Farhang & Andisheh Riazi, Persian Math Magazine)*. Iranian Mathematical Society. Vol. 33, No. 54, Pp: 1-11.
- Rafiepour, A. (2014). Mathematical Houses: Explaining the Unique Role of Them in Popularization of Mathematics. *Journal of the Popularization of Science*, Vol. 4, No. 5, pp: 59-69.

- Ahmadi, H. & Rafiepour. A. (2014). Choosing Mobile phone Operator: one Mathematical Modeling Problem. *Roshd Mathematics Educational Journal*. No 116. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 18-21.
- Rafiepour. A. (2013). A Report of ICME12 in Seoul-2012. *Roshd Mathematics Educational Journal*. No 110. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp.54-59.
- Faramarzpour, N. & Rafiepour. A. (2013). What the Unwritten Rules Say about Capitan's Age? *Roshd Mathematics Educational Journal*. No 112. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 4-9.
- Ahmadi, H. & Rafiepour. A. (2013). Mathematics and Mobile phone: How Students Encounter with Real World Problems. *Roshd Mathematics Educational Journal*. No 112. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 16-21.
- Rafiepour. A. (2012). A Report of PME35 in Ankara-2011. *Roshd Mathematics Educational Journal*. No 106. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp.56-62.
- Karimianzadeh, A.; Rafiepour. A. (2012). Common Sense and Solving Real Mathematical Problem. *Roshd Mathematics Educational Journal*. No 107. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp.37-44.
- Rafiepour. A. (2012). Meeting With Professor Shahriari. *Roshd Mathematics Educational Journal*. No 109. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp 56-57.
- Rafiepour. A. (2011). An Extended Abstract of a Doctoral Dissertation. *Roshd Mathematics Educational Journal*. No 103. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp.25-27.
- Rafiepour. A. (2011). A Report of the IMU in Haidarabad-2010. *Roshd Mathematics Educational Journal*. No 103. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp.50-57.
- Rafiepour. A. (2010). Brief Review of TIMSS Advanced Finding. *Roshd Mathematics Educational Journal*. No 100. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp. 57-62.
- Rafiepour. A. & Gooya. Z. (2008). Why Geometry is Part of Mathematics Curriculum in Iran and How. *Roshd Mathematics Educational Journal*. No 90. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp. 26-33.
- Rafiepour. A. & Gooya. Z. (2004). Why Mathematics Performance of Iranian Students in TIMSS was Unique? *Roshd Mathematics Educational Journal*. No 75, Teaching-aids Publication Office, Organization for Research & Educational Planning, Ministry of



- Education, Tehran, Iran. {Presented in 6<sup>th</sup> annual Iranian mathematics education conference, Shiraz, Iran}. Pp. 14-21.
- Rafiepour, A. (2004). Narrative of teachers: Once More Identity. *Roshd Mathematics Educational Journal*. No 76. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp. 33-34.
- Rafiepour, A. (2003). Familiarity with Educational web-sites. *Roshd Mathematics Educational Journal*. No 73. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp. 54-57.
- Rafiepour, A. (2003). Stubborn Resistance toward learning of Fractional and square root equation. *Roshd Mathematics Educational Journal*. No 74. Teaching-aids Publication Office, Organization of Research & Educational Planning, Ministry of Education. Pp. 29-34.
- Rafiepour, A. (2001). Familiarity with educational systems of six countries. *Roshd Mathematics Educational Journal*. No 70. Teaching-aids Publication Office, Organization for Research & Educational Planning, Ministry of Education, Tehran, Iran. Pp. 17-27.
- Paper in National Conference (IMEC, NEC, ...)**
- Khazaie, Z. & Rafiepour, A. (2018). Suspension of Common Sense in Word Problem: the Role of Teachers. Presented In 16<sup>th</sup> Iranian Mathematics Education Conference. Babolsar, Iran.
- Dorri, F. & Rafiepour, A. (2018). Investigating First Grade Math Teachers view about Teaching Concept of Number, Addition and Subtraction. Presented In 16<sup>th</sup> Iranian Mathematics Education Conference. Babolsar, Iran.
- Rafiepour, A. (2018). Mathematics Education and Technology. Invited Speaker in 16<sup>th</sup> Iranian Mathematics Education Conference. Babolsar, Iran.
- Rafiepour, A. (2019). Quantitative and Qualitative Drop in General Education. Invited Speaker in *Second Seminar on Mathematical Science and Challenges*. Mashhad, Iran.
- KarimianZadeh, A. & Rafiepour, A. (2018). Effect of Out of School Mathematics Education in Developing of School Mathematical Knowledge in the Case of Multiplication of Decimal Number. In 15<sup>th</sup> Iranian Mathematics Education Conference. Bushehr, Iran.
- Abdolahpour, K. & Rafiepour, A. (2018). Modelling as Tools for Developing Conceptual Understanding Students in the Case of Measuring Area. In 15<sup>th</sup> Iranian Mathematics Education Conference. Bushehr, Iran.
- Amani, M, & Rafiepour, A. (2018). How Iranian Bilingual (in East Azabaijan, Fars & Khorasan Razavi) Learn Mathematics? In 15<sup>th</sup> Iranian Mathematics Education Conference. Bushehr, Iran.
- Amani, M. & Rafiepour, A. (2017). Teaching Math to Bilingual in Azarbayjan Province (Iran). In *First National Symposium about Mathematics Education: Opportunities and Threats*. Tehran Islamic Azad University. September 2017.
- Khazaie, Z. & Rafiepour, A. (2017). Effect of Visual Representation in Solving Problematic Word Problem. In *First National Symposium about Mathematics Education: Opportunities and Threats*. Tehran Islamic Azad University. September 2017.

- Khesali, N. & Rafiepour, A. (2017). Flipped Classroom: New Approach in Teaching Mathematics with Using Technology. In *First National Symposium about Mathematics Education: Opportunities and Threats*. Tehran Islamic Azad University. September 2017.
- Khazaie, Z. & Rafiepour, A. (2017). Engaging of University Students in Word Problem Game: Suspension of Common Sense. In *Ninth National Mathematics Conference of Payam Noor*. Kerman, Iran. Pp 58-63.
- Hoseinzadeh, J. & Rafiepour, A. (2016). Priority of Oral Exam toward Written Exam in Using Common Sense. In *14<sup>th</sup> Iranian Mathematics Education Conference*. Shiraz, Iran.
- Dorri, M. & Rafiepour, A. (2016). Inappropriate interference of Natural Number Knowledge in Rational Number Problems among fifth Grade Students: Constructing a Tool for Assessment. In *14<sup>th</sup> Iranian Mathematics Education Conference*. Shiraz, Iran.
- Dorri, M. & Rafiepour, A. (2016). Suspension of Sense Making in Solving Word Problem: The Role of Authenticity. In *national conference on Primary Education*, pp: 575-586. Birjand, Iran.
- Rafiepour, A. (2016). Modeling with Real World Data as Part of Statistics Literacy. In *13<sup>th</sup> International Iranian Statistics Conference*. Kerman, Iran.
- Rafiepour, A. & Moradalizadeh, A. (2016). Ethnomathematics, Investigation of Mathematics of Carpet-Weavers: Empirical Ideas for School Mathematics Curriculum. In *14<sup>th</sup> annual conference of Iranian Curriculum Study Association*. Hamedan, Iran.
- Khani, N. & Rafiepour, A. (2015). Content Analysis of New Version of Primary School Mathematics Textbooks upon Modelling Approach. In *7<sup>th</sup> National Conference on Education*. Tehran, Iran.
- Karimianzadeh, A. Esmaili, M. & Rafiepour, A. (2015). Mathematical Modelling Problems as an Alternative for Word Problem in Primary School. In *7<sup>th</sup> National Conference on Education*. Tehran, Iran.
- Mohseni, M. & Rafiepour, A. (2015). Explore the feelings of teachers and assess their readiness for interring modeling in the classroom. In *7<sup>th</sup> National Conference on Education*. Tehran, Iran.
- Jafari, F. & Rafiepour, A. (2015). Effects of Grade on Students Performance in Solving Story Problems. In *7<sup>th</sup> National Conference on Education*. Tehran, Iran.
- Rahmani, Z. & Rafiepour, A. (2015). Relationship between Mathematics Beliefs and Mathematical Modeling. In *7<sup>th</sup> National Conference on Education*. Tehran, Iran.
- Rafiepour, A. (2015). Using Application and Modelling Approach in Teaching Linear Algebra. In *8<sup>th</sup> Seminar of Linear Algebra and its Application*. Sanandaj, Iran.
- Jafari, F. & Rafiepour, A. (2015). Investigating Anxiety of Grade 10 students in Kerman. In *14<sup>th</sup> Iranian Mathematics Education Conference*. Shiraz, Iran.
- Moradalizadeh, A. & Rafiepour, A. (2014). Ethnomathematics: A Capacity for Introducing Iranian Culture in Curriculum. In *5<sup>th</sup> Philosophy of Education Seminar*, 21-22 May 2014. Kerman, Iran. Pp: 967-970.

- Faramarzpour, N. & Rafiepour, A. (2014). Common Error of 8<sup>th</sup> Grade students in Graphical Problem about Vector. In *13<sup>th</sup> Iranian Conference in Mathematics Education*, 8-11 September 2014. Tehran. Iran. P. 118 (electronic booklet).
- Moradalizadeh, A. & Rafiepour, A. & Yari, M. (2014). Ethnomathematics as a new approach in Mathematics Curricula. In *13<sup>th</sup> Iranian Conference in Mathematics Education*, 8-11 September 2014. Tehran. Iran. P.106.
- Esmaili, M. & Rafiepour, A. (2014). Error Analysis of 5<sup>th</sup> Grade Students in Mathematical Word Problems with Using Newman Method. In *13<sup>th</sup> Iranian Conference in Mathematics Education*, 8-11 September 2014. Tehran. Iran. P. 49.
- Moradalizadeh, A. & Rafiepour, A. (2014). Mathematics of Culture and Culture of Mathematics. Paper Presented at *5<sup>th</sup> Iranian Science Museum Seminar*. Tehran, Iran, 18-19 Nov. 2014. P. 24.
- Mehraein, S. & Rafiepour, A. (2013). Investigating Gender Differences in Modeling Activities for 6<sup>th</sup> Grade students. In *proceeding of fifth national congress on Education*. Tehran. Iran.
- Rafiepour, A. (2013). Iranian Students Performances in International Studies. *Second conference in mathematics Education in Shahid Bahonar University of Kerman & Honoring of Professor Zahra Gooya*. 29, 30 May 2013, p 42.
- Rafiepour, A. (2013). Lesson Play: Reconstructing Pedagogical Interaction in the Classroom. In *proceeding of 44<sup>th</sup> Iranian Mathematics Congress*. Mashhad. Iran. Pp: 19-22.
- Rafiepour, A. (2013). Informal Education in Math Houses (A Center for Local Needs). Paper Presented at *4<sup>th</sup> Iranian Science Museum Seminar*. Tehran, Iran, 18-19 Nov. 2013. Abstract of this paper published in Newsletter of Museum of Science and technology.
- Yancheshmeh, A. Rafiepour, A. (2012). Investigating Novice and Expert Performance in Problem Posing Activity. *12<sup>th</sup> Iranian Conference in Mathematics Education*, 2-September 2012. Semnan. Iran.
- Ahmadi, H. Rafiepour, A. (2012). Mathematics and Mobile phone: How Students Confront with Real World Problem. *12<sup>th</sup> Iranian Conference in Mathematics Education*, 2-September 2012. Semnan. Iran.
- Abdolahpour, K. Rafiepour, A. & Fadaie, M. (2012). Determining the level of Mathematical Modeling Competency of students in Real World Problem Solving. *12<sup>th</sup> Iranian Conference in Mathematics Education*, 2- September 2012. Semnan. Iran.
- Esmaili, F. Esmaili, M. & Rafiepour, A. (2012). Investigating the role of type of problems on Emotion of Students. *12<sup>th</sup> Iranian Conference in Mathematics Education*, 2- September 2012. Semnan. Iran.
- Rafiepour, A. (2012). Teaching Calculus with Realistic Mathematics Education Approach. *Proceedings of 5<sup>th</sup> national Seminar on Mathematics in Payam Noor University*. Pp. 308-310. Shiraz, Iran.
- Rafiepour, A. (2012). Missing Problem Posing in Classroom. *Proceedings of 5<sup>th</sup> national Seminar on Mathematics in Payam Noor University*. Pp. 311-313. Shiraz, Iran.
- Rafiepour, A & Kariamianzadeh, A. (2011). Giving a Linear Response to a non-Linear Problem. In *proceeding of 42<sup>th</sup> Iranian Mathematics Congress*. Rafsanjan. Iran. Pp: 191-194.
- Rafiepour, A. (2011). Modeling and Application in Tertiary Math Curricula. In *proceeding of 42<sup>th</sup> Iranian Mathematics Congress*. Rafsanjan. Iran. Pp: 187-190.

- Rafiepour, A. (2011). Mathematics Teachers Education on Modeling and Application. In proceeding of third national congress on Education. Tehran. Iran. Pp. 74.
- Ahmadpour, F.; Fadaie, M. & Rafiepour, A. (2011). Modeling: an Approach for bring real world to classroom. In proceeding of first national congress on fundamental change in Iran Educational System. Mashhad. Iran. Pp. 516-521.
- Agah, Z ; Fadaie, M. & Rafiepour, A. (2011). Modeling in mathematics Curricula: to be or Not to be? In proceeding of first national congress on fundamental change in Iran Educational System. Mashhad. Iran. Pp. 522-526.
- Rafiepour, A. (2011). Modeling and Application in Teaching and Learning Mathematics. In proceeding of first national congress on fundamental change in Iran Educational System. Mashhad. Iran. Pp. 423-427.
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- Rafiepour. A. & Gooya. Z. (2006). Mathematics Curriculum for social science students (at university level). Printed in *proceeding of 37<sup>th</sup> Annual Iranian Mathematics Conference*. Tabriz, Iran. Pp 208-211.
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- Paper in International Conference (PME, ICME, CERME & ...)**
- Rafiepour, A. (2018). Iran School Mathematics Curriculum: Past, Present and Future. *ICMI study 24 Conference (School Mathematics Curriculum Reforms: Challenges, Changes and Opportunities)*, 26-30 Nov, Tsukuba, Japan. pp. 467-474
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- Rafiepour, A. & Chantal, Buteau. (2018). Modelling Real World with GeoGebra. *Ontario Association for Mathematics Education (OAME)*. Toronto, Canada.
- Abolfazl Rafiepour, Azam Karimianzade. Fifth-grade students construct decimal number through measurement activities. *Proceedings of the tenth Congress of the European Society for Research in Mathematics Education (CERME 10)*. CERME 10, Feb 2017, Dublin, Ireland. fhal-01933473f

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- Mehraein, S. & Rafiepour, A. (2016). Enhancing Mathematical Modeling Competencies through Teaching Intervention. In Csikos, C., Rausch, A., & Sztányi, J. (Eds.). *Proceedings of the 40<sup>th</sup> Conference of the International Group for the Psychology of Mathematics Education*, Vol. 1, pp. 317. Szeged, Hungary: PME.
- Rafiepour, A.; MoradaliZadeh, A. (2015). Ethno-mathematics: an opportunity for designing authentic modelling problems, *Proceedings of the Ninth Congress of the European Society for Research in Mathematics Education (CERME 9)*. Czech Republic, ERME.
- Mehraein, S. & Rafiepour, A. (2014). Sixth Grade Iranian Students Engage in Mathematical Modeling Activities. In Oesterle, S., Nicol, C., Liljedahl, P., & Allan, D. (Eds.) *Proceedings of the Joint Meeting of PME 38 and PME-NA 36*, Vol. 6, p. 366. Vancouver, Canada: PME.
- Rafiepour, A. (2014). Comparative Study of Tertiary Mathematics Curriculum at Bachelor Level. In *International Conference on Quality in Higher Education curriculum: Standards, strategies and approaches* (Iranian curriculum studies Association- ICSA). 22-24 Oct. 2014. Islamic Azad University, Isfahan (Khorasgan) Branch, Isfahan, Iran. P. 550.
- Rafiepour, A.; Abdolapour, K. (2013). Investigating Students' Modeling Competency through Grade, Gender and Location. *Proceedings of the Eight Congress of the European Society for Research in Mathematics Education (CERME 8)*. Turkey, ERME. Pp: 1070-1077.
- Rafiepour, A.; Esmaili, F. (2013). The Role of Modeling on Effects of Iranian Students, *Proceedings of the Eight Congress of the European Society for Research in Mathematics Education (CERME 8)*. Turkey, ERME. Pp: 1139-1140.
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- Rafiepour, A. (2012). The role of mathematics literacy in Iran mathematics curriculum. *Proceedings of 12<sup>th</sup> International Congress on Mathematical Education- Topic Study Group 6*. Pp. 1904-1906. COEX, Seoul, Korea: ICME.
- Rafiepour, A. (2012). Combining lesson study and action research as a tool for in-service teacher education. *Proceedings of 12<sup>th</sup> International Congress on Mathematical Education- Topic Study Group 25*. Pp. 5422-5423. COEX, Seoul, Korea: ICME.
- Adeli Sardo, M.; Rafiepour, A. & Karimianzadeh, A. (2012). Fifth grade students apply mathematics to the real-world situation. *Proceedings of 12<sup>th</sup> International Congress on Mathematical Education*. P. 7784. COEX, Seoul, Korea: ICME.
- Rafiepour, A.; Ahmadpour, F. & Fadaie, M. (2012). Investigating Iranian teachers' beliefs about mathematics, teaching and learning. *Proceedings of 12<sup>th</sup> International Congress on Mathematical Education*. P. 7865. COEX, Seoul, Korea: ICME.

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- Rafiepour, A. and Stacey, K. (2009). Applying a mathematical literacy framework to the Iranian Grade 9 mathematics textbook. In Tzekaki, M., Kaldrimidou, M. & Sakonidis, C. (Eds.). *Proceedings of the 33rd Conference of the International Group for the Psychology of Mathematics Education*, Vol. 4, pp. 433-440. Thessaloniki, Greece: PME.
- Gooya, Z. & Rafiepour, A. (2004). Why the mathematics performance of Iranian students in TIMSS was unique? In M. J. Høines & A. B. Fuglestad (Eds.), *Proceeding of 28th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 1, p 306). Bergen, Norway: PME.

### Referee for Journals and Papers

- 10<sup>th</sup> Congress of European Research in Mathematics Education (CERME 10);
- 9<sup>th</sup> Congress of European Research in Mathematics Education (CERME 9);
- 8<sup>th</sup> Congress of European Research in Mathematics Education (CERME 8);
- 13<sup>th</sup> International Congress of Mathematics Education (ICME 13);
- 42<sup>nd</sup> Iranian Mathematics Conference in Rafsanjan University (2011), Kerman, Iran;
- 44<sup>th</sup> Iranian Mathematics Conference in Mashhad University (2013), Mashhad, Iran;
- 45<sup>th</sup> Iranian Mathematics Conference in Semnan University (2014), Semnan, Iran;
- 46<sup>th</sup> Iranian Mathematics Conference in Yazd University (2016), Yazd, Iran;
- 47<sup>th</sup> Iranian Mathematics Conference in Kharazmi University (2016), Tehran, Iran;
- 13<sup>th</sup> Iranian Mathematics Education Conference in Shahid Rajaie University (2014), Tehran, Iran;
- 14<sup>th</sup> Iranian Mathematics Education Conference in Shiraz (2016), Shiraz, Iran;
- 13<sup>th</sup> Iranian Statistics Conference in Kerman (2016), Kerman, Iran;
- 14<sup>th</sup> Annual Conference of Iranian Curriculum Studies Association (ICSA), in Bu-Ali University (2016), Hamedan, Iran;
- Journal of Educational innovation (peer reviewed Journal in Persian Language);
- Journal of Technology of Education (peer reviewed Journal in Persian Language);
- Quarterly Journal of Curriculum Studies (JCS), by Iranian Curriculum Studies Association (ICSA), peer reviewed Journal in Persian Language;
- Iranian Journal of Fuzzy Systems;
- Referee for New Educational Thought (Alzahra University);
- Referee for New Educational Thought (Alzahra University);
- Referee for engineering Education Journal (Iran- National Academy of Science);
- Referee for Modern Mathematical Modeling Journal (Shahid Chamran Ahvaz University);
- Referee for Mathematical Science Magazine (Isfahan University);
- Referee for Mathematical Culture and Thought (Farhang & Andisheh Riazi) (Iranian Mathematics Society);

- Referee for Journal of Education (oldest Education Journal in Iran, Published by Ministry of Education).
- Referee for Journal of Higher Education Curriculum, by Iranian Curriculum Studies Association (ICSA), peer reviewed Journal in Persian Language;

#### **Book Chapter**

- Stacey, K.; Almuna, F.; Caraballo, R.M.; Chesne, J.; Garfunkel, S.; Gooya, Z.; Kaur, B. Lindenskov, L.; Lupian ez, J.P.; Park, K.M.; Perl, H.; Rafiepour, A.; Rico, L. Salles, F. and Zulkardi Z. (2015). PISA's Influence on Thought and Action in Mathematics Education. In Kaye Stacey & Ross Turner (Eds). *Assessing Mathematical Literacy: The PISA Experience*. Springer. pp: 275-303.
- Rafiepour, A. (2015). Algebra Curriculum. In *Iranian Encyclopedia of Curriculum Studies*.  
[http://www.daneshnamehicsa.ir/userfiles/file/article/13/dr\\_%20rafipour\\_%20algebra%20c%20urricula\\_%2018\\_7\\_94.pdf](http://www.daneshnamehicsa.ir/userfiles/file/article/13/dr_%20rafipour_%20algebra%20c%20urricula_%2018_7_94.pdf)
- Rafiepour, A. (2014). Modelling and application in Iranian Mathematics Education Community: Research and Practice. In Donald Saari (Ed.). *Challenges of Mathematics Education (An American and Iranian Discussion)*. MAA. Pp: 67-69.
- Rafiepour, A. (2011). Mathematics and Citizenship Education. In *Anthology of Articles of the Prestigious Scholar Professor Mehdi Radjabalipour*. The National Academy of Sciences. Islamic Republic of Iran. Tehran. Pp 75-84.

#### **Supervisor of PhD Dissertation, Master Thesis & Bachelor Project**

- Supervisor of PhD Dissertation for Mr. Farhad Kazemi, Shahid Bahonar University of Kerman. August 2017.
- Supervisor of Master Thesis for Mrs. Najmeh Khesali, Shahid Bahonar University of Kerman. September 2017.
- Supervisor of Master Thesis for Mr. Jalal HoseinZadeh, Shahid Bahonar University of Kerman. April 2017.
- Supervisor of Master Thesis for Mr. Mohhamad Mehdi Dorri, Shahid Bahonar University of Kerman. July 2016.
- Supervisor of Master Thesis for Mr. Seied Mohammad Pakzad Moghadam, Shahid Bahonar University of Kerman. January 2016.
- Supervisor of Master Thesis for Mrs. Fariba Jafari, Shahid Bahonar University of Kerman. January 2016.
- Supervisor of Master Thesis for Mr. Reza Masodipour, Shahid Bahonar University of Kerman. September 2015.
- Supervisor of Master Thesis for Mrs. Maryam Mohseni, Shahid Bahonar University of Kerman. September 2015.
- Supervisor of Master Thesis for Mrs. Azam Karimianzade, Shahid Bahonar University of Kerman. January 2015.
- Supervisor of Master Thesis for Mrs. Batol Zandi, in Shahid Bahonar University of Kerman. April 2014.

- Supervisor of Master Thesis for Mr. Iman Shamsadini, in Shahid Bahonar University of Kerman. September 2014.
- Supervisor of Master Thesis for Mrs. Afsane Moradalizadeh, in Shahid Bahonar University of Kerman. September 2014.
- Supervisor of Master Thesis for Mrs. Noshin Faramarzpour, in Shahid Bahonar University of Kerman. April 2014.
- Supervisor of Master Thesis for Mrs. Maryam Esmaili, in Shahid Bahonar University of Kerman. October 2013.
- Supervisor of Master Thesis for Mrs. Bentolhoda Tahami, in Shahid Bahonar University of Kerman. September 2013.
- Supervisor of Master Thesis for Mrs. Samira MehrAein, in Islamic Azad University (Kerman). February 2013.
- Supervisor of Master Thesis for Mr. Ahmad Mahyapour, in Islamic Azad University (Kerman). September 2012.
- Supervisor of Master Thesis for Mrs. Hamideh Ahmadi, in Islamic Azad University (Kerman). September 2012.
- Supervisor of Master Thesis for Mrs. Freshteh Esmaili, in Islamic Azad University (Kerman). September 2012.
- Supervisor of Master Thesis for Mr. Kazem Abdolapour, in Shahid Bahonar University of Kerman. August 2012.

**I supervised more than 10 bachelor project in Shahid Bahonar University of Kerman.**

#### **Advisor of Thesis**

- Advisor of PhD Dissertation for Mrs. Fatemeh Ahmadpour, Shahid Bahonar University of Kerman. September 2018.
- Advisor of PhD Dissertation for Mrs. Fariba Firozian, Shahid Bahonar University of Kerman. August 2017.
- Advisor of Master Thesis for Mrs. Tahereh Pourbahaedini, in Shahid Bahonar University of Kerman. December 2014.
- Advisor of Master Thesis for Ms. Masomeh Fadaie, in Shahid Bahonar University of Kerman. February 2013.
- Advisor of Master Thesis for Mrs. Monire Farzand, in Shahid Bahonar University of Kerman. February 2013.
- Advisor of Master Thesis for Mrs. Asieh Abdolahi, in Shahid Bahonar University of Kerman. February 2013.
- Advisor of Master Thesis for Mrs. Marzieh Moini, in Islamic Azad University (Kerman). Feb 2013.
- Advisor of Master Thesis for Mrs. Samira Shafiepour, in Islamic Azad University (Kerman). September 2012.
- Advisor of Master Thesis for Mr. Medhi Ziaie, in Shahid Bahonar University of Kerman. January 2012.



- Advisor of Master Thesis for Ms. Fatemeh Ahmadpour, in Shahid Bahonar University of Kerman. September 2011.
- Advisor of Master Thesis for Mr. Roholah Damideh, in Shahid Bahonar University of Kerman. September 2011.

## Presentation

### Invited Speaker

- **16<sup>th</sup> Iranian Mathematics Education Conference.** Iran, Babolsar. September 2018.
- **14<sup>th</sup> Iranian Mathematics Education Conference.** Iran, Shiraz. September 2016.
- Invited Speak in Kerman Talent Education Center. Iran, Kerman, August 2015.
- Invited Speak in Khorasan Razavi Talent Education Center. Iran, Mashhad, April 2015.
- **12<sup>th</sup> Iranian Mathematics Education Conference.** Iran, Semnan. September 2012.
- Invited Speaker in **Second Mathematics Education Seminar & Honor of Professor Zahra Gooya** in Shahid Bahonar University of Kerman. Iran, Kerman. 1-2 June 2013.
- Invited Speaker for workshop in **General Assembly of Central Committee for Iranian Mathematical Houses**, Iran, Neyshabour. 22-23 August 2012.
- Invited Speak about Modeling and Application: A Research Domain, in ministry of Education, Tehran, Iran. November 2014.

**\*All papers that introduced in Conference section, presented by first author in the conference. Other presentations mentioned here.**

Rafiepour, A. (2018). 'Revisiting the Role of Common Sense in Math Word Problem Solving', presented at *Brock University Research Forum*, St. Catharines. Canada.

Rafiepour, A. & Stacey, K. (April 2009). Developing a theoretical framework for mathematical literacy to compare Grade 9 mathematics textbooks in Iran and Australia. Invited speakers in *Mathematics Education Research colloquia program* at Monash University. Melbourne, Australia.

Rafiepour, A. (Feb 2009). Mathematics literacy as a null curriculum in Iranian School mathematics curricula. In *Melbourne -Monash research day (one day seminar in mathematics education)*. Melbourne, Australia.

Rafiepour, A. (Dec 2008). 'Iranian teachers' opinions about possible results of Iranian students in PISA'. In *15th annual graduate research conference at the university of Melbourne*. Melbourne, Australia.

Rafiepour, A. (2007). The role of Misconceptions in teaching and learning mathematics at secondary level. *Discourse for In-Service Teacher Education*, Varamin, Tehran, Iran

Rafiepour, A. (2006). The role of Meta-Cognition at problem solving process. *Discourse for In-Service Teacher Education*, Shahriar, Tehran, Iran.

Rafiepour, A. (2005). What are the standards for school mathematics curricula. *Discourse for In-Service Teacher Education*, Eslamshahr, Tehran, Iran.

Rafiepour, A. (2004). What is Mathematics Education research? *Discourse for In-Service Teacher Education*, Tehran, Iran.

## Workshop and In-service Program for Teachers

- Workshop about Modeling and Application, in Khorasan Razavi Talent Education Center.

Iran, Mashhad, March 2017.

- Workshop about Modeling and Application. in 14<sup>th</sup> Iranian Mathematics Education Conference. Iran, Shiraz. September 2016.
- Workshop about Six Educational Theories that Every Teacher Have to Know. Kerman Mathematics House, Kerman, Iran. April, 2016.
- Debate regard to Critique of “I Love Math” in Isfahan Mathematics House, March 2016.
- Lecture regard to Critique of “I Love Math” in Mathematics Faculty in Khonsar, March 2016.
- Lecture with Title “Ambassador of Real Mathematics” in Kerman Mathematics House, March 2016.
- Workshop about Modeling and Application: A Research Domain, in Kerman Talent Education Center. Iran, Kerman, August 2015.
- Workshop about Modeling and Application, in Khorasan Razavi Talent Education Center. Iran, Mashhad, April 2015.
- Workshop about usage of theories of psychology in the process of teaching and learning, for teachers of Kerman Mathematics House, Kerman, Iran. December, 2014.
- Workshop about mathematical problem solving and misconception, for teachers in special need school, Kerman, Iran. December, 2014.
- Workshop about mathematical misconceptions and their roles in the process of teaching and learning, Bardisr, Kerman, Iran. December 2014.
- Workshop about modeling for 7<sup>th</sup> grade talent students, in Khaje Nasir Teacher Training Center, Kerman, Iran. July 2014.
- Workshop about modeling and application focusing on Primary Mathematics Education Special for teachers of Kerman Mathematics House, Kerman, Iran. February 2014.
- Workshop about how teachers of mathematics can use students’ misconception as tools for their professional development. Shahrbabak, Kerman, Iran. December 2013.
- Workshop about Modeling and application for mathematics teachers in district 5 of Tehran province, Tehran, Iran. November 2013.
- Workshop about modeling for 7<sup>th</sup> grade talent students, in Khaje Nasir Teacher Training Center, Kerman, Iran. July 2013.
- Workshop with title: “Problem Posing: A potential for popularization of Mathematics” for directors and representatives of Math Houses from all over the Iran. In General Assembly of **Council of Iranian Math Houses Union**. Neyshabour, Iran. August 2012.
- Workshop with title “Philosophy of Mathematics and implication in teaching” for post graduate students and staff of Rafsanjan University. Rafsanjan, Iran. Jan 2012.
- Workshop with title “Mathematics Curriculum in tertiary level” for post graduate students and staff of Rafsanjan University. Rafsanjan, Iran. Jan 2012.
- In-service teacher training program for upper secondary school mathematics teachers, Kerman, Iran. June 2013.
- In-service teacher training program (Four workshop sessions with different topics) for upper secondary school mathematics teachers, Kerman, Iran. Oct 2012- May 2013.

- Design and implementation of workshop about modeling and application for grade 10 students in third festival of Kerman Mathematical house. Kerman, Iran. Oct 2011.
- In-service teacher training program for lower secondary school mathematics teachers, Kerman, Iran. For three different groups. Oct 2010- March 2011.

#### **Professional associations' membership**

- FIELDS institute for mathematics education, Toronto University, from 2017;
- Ontario Association of Mathematics Education from 2017;
- BSRLM (British Society for research into learning mathematics) from 2015;
- NCTM (National Council of Teachers of Mathematics, 2014);
- ERME (European Society for Research in Mathematics Education) from 2011.
- PME (International Group for Psychology of Mathematics Education) from 2009;
- MERGA (Mathematics Education Research Group of Australia, from 2009);
- ICSEA (Iranian Curriculum Studies association) from 2004;
- IMS (Iranian Mathematics Society-lifelong membership from 2003);

#### **Research Project**

- Computational Thinking Project. (co-operate with Professor Dr. George Gadanidis from Oct 2017);
- Content Analysis of Grade 2 and 6 new versions of mathematics textbooks. (co-operate with Dr. Masoud Kabiri, 2016);
- Content Analysis of Grade 3 new versions of mathematics textbooks. (co-operate with Dr. Masoud Kabiri, 2016);
- Content Analysis of Grade 7 new versions of mathematics textbooks. (co-operate with Dr. Soheila Gholamazad, 2016);
- “Investigating Factors that influenced Students Performance in solving none routine Problem related to proportion: Gender, Grade, and Type of School” (2012). Shahid Bahonar University of Kerman, Mahani Mathematics Research Centre;
- “Introducing a Model for Developing Professional Knowledge of Teachers of Mathematics” (2011). Shahid Bahonar University of Kerman, Mahani Mathematics Research Centre;
- 'Supporting personalized learning in secondary schools through the use of specific mathematics assessments that reveal thinking' (SMART), (2008), in the University of Melbourne. Australia (Co-operate with UniMelb Researchers);
- "Iranian Students' Mathematical Performance in comparative study", (2006). Shahid Beheshti University. Iran.
- “Why Iranian student's performance in TIMSS was unique?” (2003). Institute of research in curriculum and educational innovation, Ministry of Education. Iran.
- “The Role of Meta-Cognition Knowledge in Mathematical Problem Solving” (2003). Institute of research in curriculum and educational innovation, Ministry of Education. Iran. (Co-operate with Dr. M. Samadi).

#### **Referees**

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**Professor Chantal Buteau**

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