PERSONAL INFORMATION **Kamal Aghigh**

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POSITION Associate Professor

WORK EXPERIENCE ▪

2018–2019	**Head of Scientific Committee** ICELET 2019, Tehran (Iran)
2017–Present	**Director and chief executive** Centre for Open and Short Courses K.N.Toosi University of Technology, Tehran (Iran)
2013–2015	**Head of Department of Pure Mathematics** K.N. Toosi University of Technology, Tehran (Iran)
2009–2010	**Head of Conference Committee** Elearning Conference, Tehran (Iran)
2005–2011	**Head of E-learning** K.N. Toosi University of Technology, Tehran (Iran)
2004–2011	**General Director of Open Instructions** K.N. Toosi University of Technology, Tehran (Iran)
2003–2005	**Researcher** National Organization for Educational Assessment of Iran, Tehran (Iran)
2002–Present	**Associate Professor** Dept. of Mathematics, K.N. Toosi University of Technology, Tehran (Iran) Teaching & Research
1998–2002	**Research Fellow** Dept. of Mathematics, Panjab University, Chandigarh (India) Research
1996–1997	**Director of Culture and Students of Science Faculty** K.N. Toosi University of Technology, Tehran (Iran)
1987–1998	**Lecturer**

Dept. of Mathematics, K.N. Toosi University of Technology, Tehran (Iran)

Teaching & Research

EDUCATION AND TRAINING

2002   **Ph.D**

Panjab University, Chandigarh (India)

Pure Mathematics Majoring in Valuation Theory

1987   **M.Sc.**

Tabriz University, Tabriz (Iran)

Pure Mathematics

1984   **B.Sc.**

Tabriz University, Tabriz (Iran)

Pure Mathematics

PERSONAL SKILLS

Mother tongue(s)   Persian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English B1	B2	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Publications

Kamal Aghigh, Anuj Bishnoi, Sanjeev Kumar and Sudesh Kaur Khanduja, A study of irreducible polynomials over henselian valued fields via distinguished pairs, Valuation Theory in Interaction (European Mathematical Society)(2014) 1-10.

Kamal Aghigh and Azadeh Nikseresht, Characterizing distinguished pairs by using lifting of irreducible polynomials, Canadian Mathematical Bulletin, Vol. 58, (2015) 225-232.

Kamal Aghigh and Azadeh Nikseresht, Constructing complete distinguished chains with given invariants, Journal of Algebra and Its Applications, J. Algebra Appl. 14, 1550026 (2015).

Kamal Aghigh and Azadeh Nikseresht, On extensions of semilocal prufer domains, Communications in Algebra vol. 42(10) (2014), 4235-4240.

Kamal Aghigh, et al, Assessment and evaluation of E-learning, Journal of Educational Measurement, Vol. 1, No.1, (2010) 93-117.

Kamal Aghigh, *On Distinguished Pairs with respect to a Henselian Valued Field*, Hadronic Journal (Algebras, Groups and Geometries) Vol. 32,(2009).

Kamal Aghigh, *Fitting Test for Logistic Function in Defining the Ability Level and Ranking in Exams*, Journal of Technology of Education, Vol. 3, No. 3, (2009) 205-214.

Kamal Aghigh, et all, *A note on finite quadrature rules with a kind of Freud Weight function*,

Mathematical problems in Engineering, 2009.

Kamal Aghigh, *On irreducible polynomials over a defectless henselian valued field, Journal of Metematical Sciences*, Vol.19, No.2 (2008) 225-229.

Kamal Aghigh, et all: *A survey on third and fourth kind of Chebyshev polynomials and their applications*. Applied Mathematics and Computation 199 (1), 2-12 (2008)

Kamal Aghigh, et all, *On numerical integration methods with the generalized Stieltjes weight function*. Applied Mathematics and Computation 182(2), 1184-1190 (2006)

Kamal Aghigh, et all: *A symmetric sequence of orthogonal polynomials associated with the Stieltjes-Wigert polynomials*. Applied Mathematics and Computation 182(1): 194-199 (2006)

Kamal Aghigh and Sudesh K. Khanduja, *On Chains Associated with elements Algebraic over a Henserian Valued Field* , Algebra Colloquium **(2005) 607-616.**

Kamal Aghigh and Sudesh K. Khanduja, *A Note on Tame Fields*, Field Institute Communications **(2003) 33**, **1-6.**

Kamal Aghigh and Sudesh K. Khanduja, *On the main invariant of elements algebric over a henselian valued field*, Proc. Edinburg Math. Soc. **(2002) 45, 219-227.**

Conferences

Kamal Aghigh, , Some of the properties of irreducible polynomials by using liftings, International Conference on Algebra and Logic: Theory and Applications, Russia, July 24-30 (2016).

Kamal Aghigh, Azadeh Nikseresht, A note on defectless extensions of valued fields, 2nd International Conference on Mathematical Sciences, Turkey, July 9 -11(2014)**.**

Kamal Aghigh, Azadeh Nikseresht, A new proof of theorem on Characterizing complete distinguished chains, 44th Annual Iranian Mathematics Conference, Iran, August 27-30 (2013)**.**

Kamal Aghigh, Azadeh Nikseresht, A result on defectless extensions of valued fields, 44th Annual Iranian Mathematics Conference, Iran, August 27-30 (2013)**.**

Kamal Aghigh, Maryam Shahvand, Some properties of an irreducible polynomial with coefficients in a valued fi eld (K; v) via distinguished pairs, 23th Iranian Algebra Seminar,Iran, November 21-22, (2013).

Kamal Aghigh, Azadeh Nikseresht, A characterization of distinguished pairs, 9th Seminar on Commutative Algebra and Related Topics, Iran, November 7-8 (2012).

Kamal Aghigh, M. Bodaghi, Learning Methods and Concepts Used in Mobile Learning and how to improve them using New Approaches, 6th International Conference on e-Learning, Canada, (2011).

Kamal Aghigh, *On Some Problems in Valuation Theory*. Discrete mathematics, algebra and their applications, Minsk, Belarus (2009).

Kamal Aghigh, *On Invariants of Irreducible Polynomials over a Henselian Valued Field*, 7th International Algebraic Conference, Ukraine, (2009).

Kamal Aghigh, *Valuation Theory and Some of It's applications, Recent Trends in Algebra & Algebraic Number Theory, India, (2009).*

E. Zaraii, Kamal Aghigh, K. Rastegar, Assessment of Elearning, 3th Conference of E-learning, K.N.Toosi University of Technology, Iran (December 25-26, 2008).

Kamal Aghigh, Narjes Seyedi, a note on complete distinguished chains, 39th Annual Iranian

Mathematics Conference, Kerman University, Iran (August 24-27, 2008).

Kamal Aghigh, Nilash, Shamsaddini, A Characterization of a defectless Extention Fields, International Conference on Ring and Module Theory Hacettepe University, Turkey (August 18-22, 2008).

Kamal Aghigh, Narjes Seyedi, Invariants and distigushed pairs, 19th Algebra Seminar Semnan University, Iran (March 12-13, 2008).

Kamal Aghigh, **Abbas razavi**, mathematics Education based on constructivism approach, 36th Annual Iranian Mathematics Conference, Yazd University, Iran (sept. 10-13,2005).

Kamal Aghigh, **Abbas razavi**, *Applying Multimedia for Mathematics Education*, 35th Annual Iranian Mathematics Conference, Ahvaz University, Iran (January 26-29, 2005).

Kamal Aghigh, S.M.Hashemiparast, *System Quality Control Using Item Response Theory*, 4th Weas Simulation,Modelling and Optimization Conference, Turkey, (September 13-16, 2004).

Kamal Aghigh, *A study of tame fields*, The Indian Science Congress Association, India (2001).

Kamal Aghigh, *On invariants associated with irreducible polynomials over Q*, International Conference, in Number theory and Discrete mathematic, India (2000).

Kamal Aghigh, *On Invariants of Elements over a Henselian Field*, International Conference in Valuation Theory, Canada, (1999).

Kamal Aghigh, *Super Manifolds*, Iranian mathematic Conference (Iran), (1987).

Kamal Aghigh, *A Survey article on representation theory and its applications to banach algebras*, Functional Analysis and operator Theory, Sharif Univ. , Iran, (1985).

Books	■ "Dictionary of Assessment, Measurement and Educational Evaluation", *Tehran,* Organization of Educational Assessment of Iran, 2005.
	■ "Calculus I", *Tehran*, 2007.
	■ "Advance Engineering Mathematics", 2008.
	■ " Calculus", 2012.
Technical Reports	■ Item Response Theory (IRT), Presented to the National Organization for Educational Assessment of Iran.
	■ Analysis of English Test by IRT Method, Presented to the National Organization for Educational Assessment of Iran.
	■ Ability of Estimation of the Examined by IRT Method, Presented to the National Organization for Educational Assessment of Iran.
Memberships	■ Member of the Iranian Mathematical Society.
	■ Member of Iranian Information and Communication Technology Society.
	■ Member of Iranian's Scientific Standard Association.