

Curriculum Vitae

• Personal ID:

Name : Kazem Khashyarmanesh
Date of Birth : December 13, 1967
Sex : Male
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• Address:

* Mashhad University,
Department of Mathematics,
P.O.Box 1159-91775,
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• Education:

September 1986- January 1991

B. Sc. in pure Mathematics, Mashhad University .

February 1991-June 1993

M. Sc. in pure Mathematics, Tarbiat Modarres University ,
Projects' title : "Chain Conditions ",
Supervisor: Dr. A. Moussavi.

September 1993- December 1997

Ph. D. in pure Mathematics, Tarbiat Modarres University,
Thesis' topic: "Generalized fractions, d -sequences, filter regular sequences and dual of local cohomology modules ",
Supervisor: Professor H. Zakeri.

• Honors:

1986- present

Member of the Iranian Mathematical Society.

June 1994- March 1999

Member of Commutative Algebra research group in Institute for Studies in Theoretical Physics and Mathematics (IPM).

March 1999- present

Researcher in Institute for Studies in Theoretical Physics and Mathematics (IPM).

July 2003

Short visitor (2 months), International Center for Theoretical Physics (ICTP), Trieste, Italy.

• Teaching Experiences:**Graduate courses:**

- . Advanced Algebra,
- . Commutative Algebra 1, Commutative Algebra 2,
- . Homological Algebra 1, Homological Algebra 2
- . Local cohomology

Undergraduate courses:

- . Calculus (Math. 1 and Math. 2),
- . Algebra 1, Algebra 2 (Galois theory) , Algebra 3 (Module theory),
- . Linear Algebra

• Research Experiences:

- . Local cohomology modules,
- . Associated prime ideal of local cohomology modules,
- . d -sequences, Filter regular sequences,
- . Flat cover of modules,
- . Modules of generalized fractions.

• Participant In International Conferences:

- 1- Participant–Speaker, International Workshop on “Commutative Algebra”, Institute for Studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran (1996).
- 2- Participant–Speaker, Fourth French-Iranian summer school “Ring Theory workshop”, Institute for Studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran (August 23-29, 1997).
- 3- Invited speaker, 12th Algebra Seminar, Shahid Beheshti University, Tehran, Iran (March 28-29, 2000).
- 4- Participant–Speaker, International conference on Algebra and its applications, Chulalongkorn University, Bangkok, Thailand (March 18-20, 2002).
- 5- Participant–Speaker, A workshop on Homological methods in Commutative Algebra, Institute for Studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran (May 25-31, 2002).
- 6- Participant–Speaker, International Conference Algebraic Geometry, Commutative Algebra & Topology, Romania, “Ovidius” University- Constantza (September 22 - 26, 2002).
- 7- Participant–Speaker, Invariant Theory and its Interactions with Related Fields, Germany, Mathematisches Institut der Universitat Gottingen, (March 23 - 29, 2003).

• **Publications:**

Research Papers

- 1- K. Khashyarmanesh, Sh. Salarian and H. Zakeri “On the flat dimension of certain modules of generalized fractions”, *Math. J. Toyama Univ.*, Vol. 20 (1997) 79-90.
- 2- K. Khashyarmanesh and Sh. Salarian “Exactness theorem and poor M-consequences”, *Journal of the Korean Math. Soc.*, Vol.34 no.4(1997),949-954.
- 3- K. Khashyarmanesh and Sh. Salarian “Minimal injective resolution of modules over Cohen-Macaulay rings”, *Honam Mathematical J.*, Vol. 19, no.1 (1997) 53-59 .
- 4- K. Khashyarmanesh, Sh. Salarian and H. Zakeri “Characterization of filter regular sequences and unconditioned strong d -sequences”, *Nagoya Math. J.*, Vol. 151 (1998),37-50.
- 5- K. Khashyarmanesh and Sh. Salarian “Filter regular sequences and the finiteness of local cohomology modules”, *Communications in Algebra*, Vol. 26 no.8 (1998) 2483-2490.
- 6- K. Khashyarmanesh and Sh. Salarian “General local cohomology modules and Koszul homology modules”, *Collequium Mathematicum*, Vol. 77 no. 2 (1998)305-313.
- 7- K. Khashyarmanesh, Sh. Salarian and M. Tousi “On the local homology theory for Artinian modules”, *Acta Math.Hunger.* ,Vol.81(1-2) (1998) 109-119.
- 8- K. Khashyarmanesh and Sh. Salarian “On the associated primes of local cohomology modules”, *Communications in Algebra*, 27(12),6191-6198(1999).
- 9- K. Khashyarmanesh, Sh. Salarian and H. Zakeri “Generalized fractions, determinantal maps and local cohomology modules”, *Italian Journal of pure and applied Mathematics -N.6-(1999) 139-146 .*
- 10- K. Khashyarmanesh, Sh. Salarian and H. Zakeri “On the associated graded modules of an ideal generated by an unconditioned strong d -sequence”, *Journal of Mathematics Kyoto University (JMKYAZ)* 39-4 (1999)607-618.
- 11- J. Asadollahi, K. Khashyarmanesh and Sh. Salarian “Local- Global principle for annihilation of general local cohomology ”, *Collequium Mathematicum* 87(1) (2001) 129-136.
- 12- K. Khashyarmanesh and Sh. Salarian “ Asymptotic stability of $AttTor(R/a^n, A)$ ”, *Proceeding of the Edinburgh Mathematical Soc* 44 (2001) 479-483.
- 13- J. Asadollahi, K. Khashyarmanesh and Sh. Salarian “On the finiteness properties of generalized local cohomology modules”, *Communications in Algebra* 30(2) (2002) 859-867.
- 14- J. Asadollahi, K. Khashyarmanesh and Sh. Salarian “On the Minimal flat resolution of modules”, *Communications in Algebra* 30(8) (2002) 3813–3823.
- 15- K. Khashyarmanesh and Sh. Salarian “A finiteness result for local cohomology modules”, *Communications in Algebra* 30(10) (2002) 4821–4826.

- 16- J. Asadollahi, K. Khashyarmanesh and Sh. Salarian “A generalization of the cofiniteness problem in local cohomology modules”, *Journal of the Australian Math. Soc.* 75 (2003), no. 3, 313–324.
- 17- K. Khashyarmanesh and Sh. Salarian “On the rings whose injective hulls are flat”, *Proc. Amer. Math. Soc.*, 131 (2003) 2329-2335.
- 18- K. Khashyarmanesh, M. Yassi and A. Abbasi, “Filter regular sequences and generalized local cohomology modules”, *Communications in Algebra* 32 (2004), no. 1, 253-259.
- 19- K. Khashyarmanesh and Sh. Salarian “ Faltings’ Theorem for the annihilation of local cohomology modules over a Gorenstein ring”, *Proc. Amer. Math. Soc.* 132 (2004) , no. 8, 2215-2220.
- 20- J. Asadollahi, K. Khashyarmanesh and Sh. Salarian, “On primes dual to associated primes for cotortion modules”, *Indian J. Pure Appl. Math.* 35 (2004), no. 5, 621-627.
- 21- K. Khashyarmanesh, M. Yassi and A. Abbasi, “A new version of Local-global principle for local cohomology modules,” *Colloquium Mathematicum*, 100(2) (2004) 213-219.
- 22- K. Khashyarmanesh and M. Yassi, “On the finiteness property of generalized local cohomology modules”, *Algebra Colloquium* 12(2) (2005), 293-300.
- 23- K. Khashyarmanesh, “A surjective homomorphism of local cohomology modules”, *Communications in Algebra* 33 (2005), no. 8, 2717-2723.
- 24- K. Khashyarmanesh, “Associated primes of graded components of generalized local cohomology modules”, *Communications in Algebra* 33 (2005), no. 9, 3081-3090.
- 25- K. Khashyarmanesh, “On the finiteness properties of $\cup_i Ass_R Ext_R^n(R/\mathfrak{a}^i, M)$ ”, *Communications in Algebra* 34 (2006) 779-784.
- 26- K. Khashyarmanesh and Sh. Salarian, “Uniform annihilation of local cohomology modules over a Gorenstein ring”, *Communications in Algebra* 34 (2006), no. 5, 1625-1630.
- 27- K. Khashyarmanesh and A. Abbasi, “On the asymptotic behaviour of associated primes of generalized local Cohomology Modules”, *Journal of the Australian Math. Soc.* (to appear).
- 27- K. Khashyarmanesh, “On the coassociated primes of generalized local cohomology modules”, *Indian J. Pure Appl. Math.* (to appear).
- 28- K. Khashyarmanesh, “On the finiteness properties of Extension and Torsion functors of Local cohomology modules”, *Proc. Amer. Math. Soc.* (to appear).
- 29- K. Khashyarmanesh and F. Khosh Ahang, “A surjective homomorphism from ordinary cohomology modules to top generalized local cohomology modules”, *Communications in Algebra* (to appear).
- 30- K. Khashyarmanesh, “On the finiteness properties of associated primes of generalized Local cohomology modules”, *Forum Mathematicum* (to appear).