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KARIM SAMEI

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EDUCATION:

Ph.D. in Mathematics (Algebra and Topology), March 2000
Department of Mathematics, Tabriz University, Iran
Thesis: Associated prime ideals in *C(X)*.
Advisors: Professor Karamzadeh and Professor Mehrvarz.

M.Sc. in Mathematics (Commutative Algebra), January 1997.
Department of Mathematics, Tabriz University, Iran
Thesis: Associated prime ideals of generalization fractions modules.
Advisor: Professor Mehrvarz.

B.Sc. in mathematics, July 1996.
Department of Mathematics, Razi University, Iran.

EMPLOYMENT:

Associate Professor, Department of Mathematics, Bu Ali Sina University, Hamedan, Iran (2000-present).

Researchers, Institute for Studies in Theoretical Physics and Mathematics, (IPM), Tehran, Iran (2004-2008) and (2010-2012).

RESEARCH PUBLICATIONS:

K. Samei (with M. Bajalan, M. Moeini, R. Rezai), *On Codes over Product of Finite Chain Rings*, Submitted.

K. Samei (with M. Bajalan, M. Moeini, R. Rezai), *Macwilliams identity for Product of Finite Chain Rings*, Submitted.

K. Samei (with Arezoo Soufi), *Duadic codes over finite local rings*, Submitted.

K. Samei (with Mohammad Reza Alimoradi), Decoding of cyclic codes over the ring $F_2 + uF_2 + u^2F_2$, Submitted.

K. Samei (with Arezoo Soufi*), Quantum codes from quadratic residue codes over finite commutative local rings*, Indian J. Pure Appl. Math. Accepted.

K. Samei (with Saadoun Mahmoudi), *Codes over m-adic completion rings,* Adv. Math. Commun, Accepted.

K. Samei (with Kyuoomars Esmaili), *Cut-sets in comaximal graph of a commutative ring,* Indian J. Pure Appl. Math. Accepted.

K. Samei (with Saadoun Mahmoudi, Fahime Mirmohammadirad), Fq-linear codes over Fq-algebras, Finite Fields Appl.٦٤ (20٢٠)١٠١٦٦٥

K. Samei (with Saadoun Mahmoudi), *SR-additive codes, Bull. Korean Math. Soc*. (2019).

K. Samei (with Saadoun Mahmoudi), *R-additive codes*, Finite Fields Appl. **56** (2019) 332-350.

K. Samei (with Sadegh Sadeghi), Maximum Distance Separable codes over $Z_2Z_{2^s}$, J. Algebra and Its Applications, **16** (2) (2018) 1850136.

K. Samei (with Saadoun Mahmoudi), *Singleton Bounds for R-additive Codes*, Adv. Math. Commun. **12** (1) (2018) 107-114.

K. Samei, (with Saeid Bagheri, Fatemeh Nabaei, Rashid Rezaei), *Reduction graph and its application on algebraic graphs*, Rocky Mountain J. Math. **48** (3) (2018) 729-751.

K. Samei, (with Masoud Ghoraishi), Comparison of graphs associated to a commutative

Artinian ring, Proc. Math. Sci. (2018).

K. Samei (with Mohammad Reza Alimoradi), *Cyclic codes over the ring* $F_2 + uF_2 + vF_2$, Comp. Appl. Math. **37** (3) (2018) 489–2502.

K. Samei (with Saadoun Mahmoudi), *Cyclic R-additive codes*, Discrete Math, **340** (7) (2017) 1657-1668.

K. Samei (with Arezoo Soufi), *Quantum codes from quadratic residue codes over* $F_{p^r} + vF_{p^r}$, Adv. Math. Commun. **11** (4) (2017) 791-804.

K. Samei, *On the comaximal graph of a commutative ring,* Canad. Math. Bull **57** (2) (2014) 413–423.

K. Samei, *Reduced multiplication modules,* Proc. Math. Sci. **121** (2) (2011) 121–132.

K. Samei, *On the maximal spectrum of semiprimitive multiplication modules,* Canad. Math. Bull **51** (3) (2008) 439–447.

K. Samei, *The zero-divisor graph of a reduced ring,* J. Pure Appl. Algebra **209** (2007) 813-821.

K. Samei, z^0*-ideals and some special commutative rings,* Fund. Math **189** (2006) 99-109.

K. Samei, *Flat submodules of free modules over commutative Bezout rings,* Bull. Austral. Math. Soc **l71** (2005) 113-119.

K. Samei, *Clean elements in commutative reduced rings,* Comm. Algebra **32** (9) (2004) 1479-1486.

K. Samei, *On summand ideals in commutative reduced rings,* Comm. Algebra **32** (3) (2004), 1061-1068.

K. Samei, *On the maximal spectrum of commutative semiprimitive rings,* Coll. Math **83** (2) (2000) 5-13.

K. Samei (with A. A. Mehrvarz), *Associated prime ideals in C(X),* J. Sci. Iran **11** (1) (2000) 49-53.

K. Samei (with A. A. Mehrvarz), *On commutative Gelfand rings,* J. Sci. Iran **10** (3) (1999) 193-197.

TEACHING EXPERIENCE:

a- Graduate courses.

1- Advanced Algebra.
2- Commutative Algebra.
3- Homological Algebra.
4- Rings of continuous functions.
5- Coding Theory.
6- Quaternary Codes.
7- Quantum Correlations Codes.

b- Undergraduate courses:

1- Coding Theory.
2- Abstract Algebra I, II and III (Group theory and Ring theory).
3- Topology.
4- Number Theory.
5- Linear Algebra.
6- Finite Rings.
7- Finite fields.

LANGUAGES

Farsi (mother tongue), English (second language), working knowledge of Arabic and Turkish.