

## Personal Information

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## Advising Theses

- CENK M., AKYILDIZ E., Homomorphic encryption for data security in cloud computing, Post Graduate, A.WAINAKH(Student), 2018
- AKYILDIZ E., Pairing based non-repudiation protocols in cryptography, Doctorate, Ö.SEVER(Student), 2017
- AKYILDIZ E., On the efficiency of lattice-based cryptographic schemes on graphical processing unit, Doctorate, Z.YÜCE(Student), 2016
- DOĞANAKSOY A., AKYILDIZ E., Improbable differential cryptanalysis, Doctorate, C.TEZCAN(Student), 2014
- AKYILDIZ E., On lattice based digital signature schemes, Post Graduate, F.JAVANI(Student), 2014
- AKYILDIZ E., Free storage basis conversion over extension field, Post Graduate, N.HAROLD(Student), 2014
- AKYILDIZ E., FPGA based cryptography computation platform and the basis conversion in composite finite fields, Doctorate, R.MUHAMMAD(Student), 2013
- AKYILDIZ E., On secure electronic auction process of government domestic debt securities in Turkey, Doctorate, A.BEKTAŞ(Student), 2013
- AKYILDIZ E., On the trace based public key cryptosystems over finite fields, Doctorate, M.ASHRAF(Student), 2013
- AKYILDIZ E., On provable security of some public key encryption schemes, Doctorate, T.HANOYMAK(Student), 2012
- KİŞİSEL A. U. Ö. , AKYILDIZ E., Fixed point scheme of the Hilbert scheme under a 1-dimesional additive algebraic group action, Doctorate, E.ÖZKAN(Student), 2011
- AKYILDIZ E., Elliptic curve pairing-based cryptography, Doctorate, B.BÜLENT(Student), 2010
- AKYILDIZ E., A compact cryptographic processor for IPsec applications, Post Graduate, E.BİLGE(Student), 2010
- AKYILDIZ E., Algebraic properties of the operations used in block cipher idea, Doctorate, H.MURAT(Student), 2007
- AKYILDIZ E., Scalar multiplication on elliptic curves, Post Graduate, O.YAYLA(Student), 2006
- AKYILDIZ E., Isomorphism classes of elliptic curves over finite fields of characteristic two, Post Graduate, B.BÜLENT(Student), 2005
- AKYILDIZ E., A method of constructing secure S-boxes, Post Graduate, Z.SAYGI(Student), 2003
- AKYILDIZ E., Subfields of the function field of the Deligne-Lusztig curve of ree type, Doctorate, E.ÇAKÇAK(Student), 2002
- AKYILDIZ E., Complete analytic functions and Riemann surfaces, Post Graduate, H.BENNUN(Student), 2001
- AKYILDIZ E., Nonlinearity properties of the mixing operations used in the block cipher Idea, Post Graduate, H.MURAT(Student), 2000
- AKYILDIZ E., Grobner bases and standart monomials on grassmannian, Post Graduate, A.İRFAN(Student), 1998
- AKYILDIZ E., Linear recurring sequences, Post Graduate, A.EMRAH(Student), 1997
- AKYILDIZ E., The Use of elliptic curves in cryptography, Post Graduate, A.BAKI(Student), 1994

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **An overview of trace based public key cryptography over finite fields**  
AKYILDIZ E., Ashraf M.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.259, pp.599-621, 2014 (Journal Indexed in SCI)
- **Recent Advances in Applied and Computational Mathematics: ICACM-IAM-METU**  
AKYILDIZ E.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.259, pp.327-328, 2014 (Journal Indexed in SCI)
- **Betti Numbers of Smooth Schubert Varieties and the Remarkable Formula of Kostant, Macdonald, Shapiro, and Steinberg**

AKYILDIZ E., Carrell J. B.

MICHIGAN MATHEMATICAL JOURNAL, vol.61, pp.543-553, 2012 (Journal Indexed in SCI)

- **Congressional contributions to Computational and Applied Mathematics Preface**

Goovaerts M. J. , Gebizlioglu O. L. , BAYRAMOĞLU İ., AKYILDIZ E.

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.235, pp.4517-4518, 2011 (Journal Indexed in SCI)

## Citations

Total Citations (WOS):7

h-index (WOS):2