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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2000 - 2004

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, -, Turkey 1998 - 2000

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey 1989 - 1994

Research Areas

Commutative Rings and Algebras, Number Theory

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2014 -
Continues

Advising Theses

Alan M., Ramanujan-Nagell denklemleri ve bazı genelleştirmeleri, Postgraduate, U.ZENGİN(Student), 2019

Alan M., Tek türlü çarpanlarına ayrılabilen modüller, Postgraduate, E.ÖZBULUR(Student), 2019

Alan M., Değişmeli halkalarda çarpanlara ayrılış ve modüller, Postgraduate, B.GÜLLE(Student), 2018

Alan M., Sonlu cisimler üzerindeki polinomların çarpanlara ayrılışı, Postgraduate, B.DUMAN(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. On Concatenations of Fibonacci and Lucas Numbers

ALAN M.

BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, 2022 (Peer-Reviewed Journal)

II. On the exponential Diophantine equation $m(x) + (m+1)(y) = (1+m \text{ plus } m(2))(z)$

ALAN M.

ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.29, no.3, pp.23-32,
2021 (Peer-Reviewed Journal)

III. On the Diophantine equation $x(2)+3(a)41(b) = y(n)$

ALAN M., Zengin U.

- PERIODICA MATHEMATICA HUNGARICA, vol.81, no.2, pp.284-291, 2020 (Journal Indexed in SCI)
- IV. **On the Exponential Diophantine Equation $(m(2) + m+1)(x) + m(y) = (m+1)(z)$**
ALAN M.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.17, no.6, 2020 (Journal Indexed in SCI)
- V. **On the exponential Diophantine equation $(18m(2) + 1)(x) + (7m(2) - 1)(y) = (5m)(z)$**
ALAN M.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1990-1999, 2018 (Journal Indexed in SCI)
- VI. **Half-factorial domains and quadratic orders**
ALAN M.
INTERNATIONAL JOURNAL OF NUMBER THEORY, vol.12, no.2, pp.465-472, 2016 (Journal Indexed in SCI)
- VII. **ON FINITE FACTORIZATION RINGS**
Alan M.
COMMUNICATIONS IN ALGEBRA, vol.40, no.11, pp.4089-4099, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Mersenne numbers which are products of two Pell numbers**
Alan M., Şimşek Alan K.
BOLETIN DE LA SOCIEDAD MATEMATICA MEXICANA, vol.28, no.2, 2022 (Journal Indexed in ESCI)
- II. **A note on construction of irreducible polynomials over finite fields with characteristic 2**
ALAN M., DUMAN B.
international journal of pure and applied mathematics, vol.115, pp.529-532, 2017 (Refereed Journals of Other Institutions)
- III. **On unique factorization modules**
ALAN M., Özbülür E.
International Journal of Pure and Applied Mathematics, vol.108, no.1, pp.23-28, 2016 (Refereed Journals of Other Institutions)
- IV. **The Half-Factorial Property in the Ring $A+XI[X]$ where A Is a UFR**
ALAN M., Ağargün A.
International Journal of Mathematics, Game Theory and Algebra, vol.15, no.2, pp.133-138, 2006 (Refereed Journals of Other Institutions)
- V. **Factorization Properties in Polynomial Extension of UFR's**
Alan M.
Journal of Engineering and Natural Sciences - Mühendislik ve Fen Bilimleri Dergisi, vol.23, no.2, pp.95-100, 2005 (National Refreed University Journal)

Books & Book Chapters

- I. **Cebir**
Ersoy B. A. , Ağargün G., Alan M., Aygör N., Oral K. H.
Birsen, İstanbul, 2016
- II. **soyut cebir**
AĞARGÜN A. G. , ERSOY B. A. , ALAN M., ORAL K. H. , AYGÖR N.
birsen, İstanbul, 2015
- III. **Soyut Cebir II**
Ersoy B. A. , Ağargün G., Aygör N., Alan M.
Ytu Vakfı Yayınları, İstanbul, 2002

Refereed Congress / Symposium Publications in Proceedings

- I. **Solutions of Some Generalized Pell Equations with Recurrence Relations**
Alan M., Erten N.
2nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 May 2019, pp.78
- II. **Solutions of Some Generalized Ramanujan-Nagell Equations**
Alan M., Zengin U.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, İstanbul, Turkey, 10 - 13 March 2019, pp.1
- III. **Experiments with Terai's Conjecture**
ALAN M.
2. International Conference of Mathematical Sciences, İstanbul, Turkey, 31 July 2018, pp.32
- IV. **Diophantine Equations Involving Odd Prime Powers**
ALAN M., Yoğurtcu M.
International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 May 2018, pp.118
- V. **On The Positive Integer Solutions Of Some Exponential Diophantine Equations**
ALAN M.
International Conference on Mathematics and Engineering, ICOME2017, 10 - 12 May 2017
- VI. **A Note on iterative construction of irreducible polynomials over finite fields with characteristic 2**
ALAN M., Duman B.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 August 2016, pp.117
- VII. **Properties of U-decomposition in modules**
ALAN M., Özbulur E.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 August 2016, pp.116
- VIII. **A Note On Construction of Irreducible Polynomials Over Finite Fields with Characteristic 2**
ALAN M., Duman B.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Saray Bosna, Bosnia And Herzegovina, 24 May 2016, pp.713
- IX. **Factorization In Modules**
ALAN M., Özbulur E.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Saray Bosna, Bosnia And Herzegovina, 24 May 2016, pp.340
- X. **THE COMPARISON OF TWO FINNISH AND TURKISH HIGHSCHOOL MATHEMATICS TEXBOOKS**
TAŞPINAR ŞENER Z., arıkan e. e., ÜNAL H., ALAN M.
INTERNATIONAL SYMPOSIUM ON CHANGES AND NEW TRENDS IN EDUCATION, Konya, Turkey, 22 November 2013, pp.240-241
- XI. **Reel Kuadratik Cebirsel Tamsayılar Halkasında Yarı Çarpanlarına Ayrılabilen Bölge Özelliği**
ALAN M.
XXV. Ulusal Matematik Sempozyumu, 01 September 2012
- XII. **Sıfır Bölënli Sonlu Çarpanlarına Ayrılabilen Halkalar Üzerindeki Polinom Ve Kuvvet Serileri Halkaları**
ALAN M.
XXIV. Ulusal Matematik Sempozyumu, Uludağ Üniv., Bursa, 01 September 2011
- XIII. **Nonunique Factorization Properties and Polynomial Rings over Finite Local Rings**
ALAN M.
ICAAA, İstanbul, 01 June 2011
- XIV. **Halkalarda Bazı Çarpanlara Ayırma Özellikleri**
ALAN M.
XVII. Ulusal Matematik Sempozyumu, Bolu, 01 August 2004

XV. MANTIK, MATEMATİK ve FELSEFE I.Ulusal Sempozyumu

ALAN M.

Supported Projects

ALAN M., ÖZBULUR E., Project Supported by Higher Education Institutions, Tektürlü Çarpanlarına Ayrılabilen Modüller, 2016 - 2019

ALAN M., Project Supported by Higher Education Institutions, Sonlu Cisimler Üzerindeki Polinomların Çarpanlara Ayrılışı, 2016 - 2017

Metrics

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