

PUBLICATIONS:

Books

1. Foundations of Mathematics (In Arabic).
2. Real Analysis(1) (In Arabic).

Research Papers

- 1- (with F. Luca, S. Siksek and SZ. Tengely) On The diophantine equation $x^2 + C = 2y^n$ ". **Inter. J. Num Theory**. 5 (2009), 1117-1128.
- 2- (with Amal al-Rashed) On The diophantine equation $x^2 = 4q^m - 4q^n + 9$ ". **J.K.A. U. Science**, Vol. 20, No. 4, 2008.
- 3- The diophantine equation $px^2 + q^{2k} = y^n$. . **J. Num. Theory** **90(2008) 1-6**
- 4- (with F. Luca and A. Togbe) On The diophantine equation $x^2 + 13^a 5^b = y^n$. **Glasgow Journal of Math**. 50(1) (2008), 175-181.
- 5- An exponential Diophantine Equation ". **Umm Al-Qura Univ. J. Sci. Med. Eng**. 19 (1) (2007) 95-102.
- 6- (with Yann Bugeaud) Diophantine equation $x^2 + c = y^n$: a brief overview. **Rev. Columbiana Mat.**, (40) (2006) 31-37.
- 7- On the diophantine equation $x^2 + 5^{2k} = y^n$. **Demo Math**. 319 (2) (2006) 285-289.
- 8- (with Amal al-Rashed) On The Simultaneous Diophantine Equations $y^2 - x^2 = 4$ and $z^2 - 442x^2 = 441$. **Arabian J. Science and Engineering**. Vol. 26 (1A) (2006) 207- 211.
- 9- On the diophantine equation $d_1 x^2 + 4d_2 = y^n$. **Arab J. Math. Sci**. 12(1)(2006),1-6.
- 10- (with Amal al-Rashed) On the extendibility of the diophantine triple $\{1,5,c\}$. **Inter. J. Math. and Math. Sci**. 33 (2004), 1737-1746.
- 11- (with Amal al-Rashed) Some diophantine quadruples in the ring $Z(\sqrt{-2})$. **Math. Comm**. 9(2004) 1-8.
- 12- On The diophantine equation $x^2 + q^{2k+1} = y^n$. **J. Num. Theory**. 95 (2002) 95-100.
- 13- On The diophantine equation $px^2 + 3^n = y^p$. **Tamkang J. Math. Sci**. Vol. 31(1) (2001), 79-84.
- 14- (with S. Ahktar Arif) On The diophantine equation $x^2 + 2^k = y^n$ II . **Arab J. Math. Sci**. Vol.7,(2) (2001) 67-71.
- 15- On The diophantine equation $x^3 = dy^2 \pm q^6$ ". **Inter. J. Math. and Math. Sci**. Vol.28 (8)(2001)493-497.
- 16- On The diophantine equation $x^2 + q^{2k} = y^n$. **Arabian J. Science and Engineering**. Vol. 26 (1A) (2001) 53- 62.
- 17- On The diophantine equation $Ax^2 + 2^{2m} = y^n$. **Inter. J. Math. and Math. Sci**. 25(6) (2001), 373-381.
- 18- On The diophantine equation $x^3 = dy^3 + p^3$. **Far. East J. Pure Math. Sci**. (FJMS) 1 (2000), 149-157.
- 19- (with S. Ahktar Arif) The diophantine equation $x^2 + 5^{2k+1} = y^n$. **Indian J. Pure. Appl. Math**. 30(3)(1999), 229-231.
- 20- (with S. Ahktar Arif) On a diophantine equation" . **Bull. Austral. Math. Soc**. 57(1998) 189-198.
- 21- (with S. Ahktar Arif) On The diophantine equation $x^2 + 3^m = y^n$ ". **Inter. J. Math. and Math. Sci**. 21(1998), 619-620.
- 22- (with S. Ahktar Arif) On The diophantine equation $x^2 + 2^k = y^n$. **Inter. J. Math. and Math. Sci**. 20 (1997), 299-304.