

Research Interests: **Number Theory** and **Combinatorics**,
especially partitions, compositions, and linear recurrences.

Recent Publications

100. Representing a positive integer as a sum of four squares: a new algorithmic approach
Pioneer J. of Algebra, Number Theory, and Appl. **4** (2012) 55-59
101. Some properties of dihedral compositions (with A. Knopfmacher)
(to appear in *Util. Math.*)
102. Some arithmetic properties of a combinatorial sequence *J P Journal of Algebra, Number Theory, and Applications* **29** (2013) 45-50
103. On the parity of the number of partitions of n into parts of two distinct sizes *Far East J. Math. Sci.* **78** n. 2 (2013) 197-203
104. On flushed partitions *International Forum* **8** (2013) n.31
1509-1513
105. On Tribonacci numbers and 3-regular compositions (to appear in *Fibonacci Quart.*)
106. On the Eulerian factor of an odd perfect number (to appear in *Universal J. of Math. & Math.Sci.*)
107. On palindromic partitions (to appear in *Pioneer J. Math. & Math. Sci.*)
108. On the total number of parts in overpartitions (submitted)
109. Integer triangles with 120 and 60 degree angles (to appear in *Math. Aeterna*)
110. On the parity of the number of partitions of n into 3 distinct sizes (submitted)
111. On the number of compositions whose parts have a fixed upper or lower bound. (will present at Integers Conference, October 2013)
112. Inspired by Ramanujan (to appear In Ramanujan memorial)