

PUBLICATIONS

AKSHAA VATWANI

PAPERS PUBLISHED OR ACCEPTED FOR PUBLICATION

- (1) The least prime congruent to one modulo n , (with R. Thangadurai), *American Math. Monthly*, vol. 118 (2011), no. 8, 737-742.
- (2) A simple proof of the Wiener-Ikehara Tauberian theorem, *The Mathematics Student*, vol. 84 (2015), nos. 3-4, 127-134.
- (3) An elliptic analogue of a theorem of Hecke, (with M. Ram Murty), *Ramanujan Journal*, 41 (2016), no. 1-3, 171–182.
- (4) Bounded gaps between Gaussian primes, *Journal of Number Theory*, 171 (2017), 449–473.
- (5) Patterns of primes in Chebotarev sets, (with Peng-Jie Wong), *International Journal of Number Theory*, 13 (2017), no. 7, 1651–1677.
- (6) Twin primes and the parity problem, (with M. Ram Murty), *Journal of Number Theory*, 180 (2017), 643–659.
- (7) A higher rank Selberg sieve and applications, *Czechoslovak Mathematical Journal*, to appear.
- (8) A higher rank Selberg sieve with an additive twist and applications, (with M. Ram Murty), *Functiones et Approximatio, Commentarii Mathematici*, to appear.
- (9) A remark on the Lang-Trotter and Artin conjectures, (with M. Ram Murty), *Proceedings of the Amer. Math. Soc.*, to appear.
- (10) A remark on a conjecture of Chowla, (with M. Ram Murty), *Journal of the Ramanujan Mathematical Society*, to appear.
- (11) A smooth Selberg sieve and applications, (with M. Ram Murty), *Proceedings of GANITA*, a conference on Geometry, Algebra, Number Theory, and their Information Technology Applications, in honour of V. Kumar Murty, to appear.

- (12) Variants of equidistribution in arithmetic progression and the twin prime conjecture, submitted, preprint available at <https://www.math.uwaterloo.ca/~avatwani/variants.pdf>
- (13) Zeros of partial sums of L -functions, (with Arindam Roy), in preparation.