

LIST OF PUBLICATIONS OF EKNATH GHATE

1. *Critical values of the twisted tensor L -function in the imaginary quadratic case.*
 - Duke Math. J. **96**, no. 3 (1999), 595–638.
2. *Critical values of the twisted tensor L -function over CM fields.*
 - Automorphic Forms, Automorphic Representations, and Arithmetic. Proc. Symp. Pure Math. **66**, part 1 (1999), 87–110.
3. *On monomial relations between Eisenstein series.*
 - Jour. Ramanujan Math. Soc. **15**, no. 2 (2000), 71–79.
4. *The Kronecker-Weber theorem.*
 - Cyclotomic fields and related topics. Bhaskaracharya Pratishthana (2000), 135–146.
5. *Vandiver's conjecture via K -theory.*
 - Cyclotomic fields and related topics. Bhaskaracharya Pratishthana (2000), 285–298.
6. *Congruences between base-change and non-base-change Hilbert modular forms.*
 - Cohomology of Arithmetic Groups, Automorphic Forms, and L -functions. Narosa (2001), 35–62.
7. *The arithmetic and geometry of Salem numbers*, with E. Hironaka.
 - Bull. Amer. Math. Soc. **38** (2001), 293–314.
8. *On products of eigenforms.*
 - Acta Arith. **102**, no. 1 (2002), 27–44.
9. *Adjoint L -values and primes of congruence for Hilbert modular forms.*
 - Compositio Math. **132**, no. 3 (2002), 243–281.
10. *Dihedral congruence primes and class fields of real quadratic fields*, with A. Brown.
 - J. Number Theory **95**, no. 1 (2002), 14–37.
11. *An introduction to congruences between modular forms.*
 - Current trends in number theory, Hindustan Book Agency (2002), 39–58.
12. *Complex multiplication.*
 - Elliptic curves, Modular forms and Cryptography. Hindustan Book Agency (2003), 85–108.
13. *Endomorphism algebras of motives attached to elliptic modular cusp forms*, with A. Brown.
 - Ann. Inst. Fourier, Grenoble **53**, no. 6 (2003), 1615–1676.

14. *On the local behaviour of ordinary modular Galois representations.*
 - Progress in Mathematics **224**, Birkhäuser Verlag (2004), 105–124.
15. *On the local behaviour of ordinary Λ -adic Galois representations*, with V. Vatsal.
 - Ann. Inst. Fourier, Grenoble **54**, no. 7 (2004), 2143–2162.
16. *Taylor-Wiles systems.*
 - Ram. Math. Soc. Lect. Notes Ser. **1** (2005), 7–14.
17. *On the Brauer class of modular endomorphism algebras*, with E. González-Jiménez and J. Quer.
 - Int. Math. Res. Notices **12** (2005), 701–723.
18. *Ordinary forms and their local Galois representations.*
 - Algebra and Number Theory, Hindustan Book Agency (2005), 226–242.
19. *Filtered modules with coefficients*, with A. Mézard.
 - Trans. Amer. Math. Soc. **361**, no. 5 (2009), 2243–2261.
20. *On the average number of octahedral forms of prime level*, with M. Bhargava.
 - Math. Ann. **344**, no. 4 (2009), 749–768.
21. *On the freeness of the integral cohomology groups of Hilbert-Blumenthal varieties as Hecke modules.*
 - International Colloquium on Cycles, Motives and Shimura Varieties. TIFR 2008, Narosa (2010), 59–99.
22. *Λ -adic forms and the Iwasawa main conjecture*, with D. Banerjee and N. Kumar.
 - Guwahati Workshop on Iwasawa Theory of Totally Real Fields. Ram. Math. Soc. Lect. Notes Ser., no. 12 (2010), 15–47.
23. *Locally indecomposable Galois representations*, with V. Vatsal.
 - Canad. J. Math. **63**, no. 2 (2011), 277–297.
24. *On crossed product algebras attached to weight one forms*, with D. Banerjee.
 - Math. Res. Lett. **18**, no. 1 (2011), 139–149.
25. *(p, p) -Galois representations attached to automorphic forms on GL_n* , with N. Kumar.
 - Pacific J. Math **252**, no. 2 (2011), 379–406.

26. *On uniform large Galois images for modular abelian varieties*, with P. Parent.
 - Bull. London Math. Soc. **44**, no. 6 (2012), 1169–1181.
 27. *On classical weight one forms in Hida families*, with M. Dimitrov.
 - J. Théor. Nombres Bordeaux **24**, no. 3 (2012), 669–690.
 28. *Adjoint lifts and modular endomorphism algebras*, with D. Banerjee.
 - Israel J. Math. **195** (2013), 507–543.
 29. *Control theorems for ordinary 2-adic families of modular forms*, with N. Kumar.
 - International Colloquium on Automorphic Representations and L-functions. TIFR, Hindustan Book Agency (2013), 231–261.
 30. *On local Galois representations associated to ordinary Hilbert modular forms*, with B. Balasubramanyam and V. Vatsal.
 - Manuscripta Math. **142**, no. 3–4 (2013), 513–524.
 31. *Class field theory and complex multiplication + Counting weight one forms*
 - Proceedings of the Séminaire de Mathématiques Supérieure, CRM, Montréal (2014) Contemp. Math., AMS, 20 pages + 10 pages, to appear.
 32. *Reductions of Galois representations via the mod p local Langlands correspondence*, with A. Ganguli.
 - J. Number Theory **147** (2015), 250–286.
 33. *Supercuspidal ramification of modular endomorphism algebras*, with S. Bhattacharya.
 - Proc. Amer. Math. Soc. **143** (2015), 4669–4684.
 34. *Reductions of Galois representations for slope in $(1, 2)$* , with S. Bhattacharya.
 - Doc. Math. **20** (2015), 943–987.
 35. *p -adic Asai L -functions attached to Bianchi cusp forms*, with B. Balasubramanyam and R. Vangala.
 - 15 pages, in preparation (2016).
 36. *Sums of fractions and finiteness of monodromy*, with T. N. Venkataramana.
 - Indag. Math. (N.S.) **28** (2017), no. 6, 1183–1199.
 37. *Reductions of Galois representations of slope 1*, with S. Bhattacharya and S. Rozenzstajn.
 - J. Algebra **508** (2018), 98–156.
 38. *p -adic Rankin product L -functions*, with R. Vangala.
 - 29 pages, preprint (2018).
-