LIST OF PUBLICATIONS OF EKNATH GHATE

1. Critical values of the twisted tensor $L$-function in the imaginary quadratic case.

2. Critical values of the twisted tensor $L$-function over CM fields.
   • Automorphic Forms, Automorphic Representations, and Arithmetic.

3. On monomial relations between Eisenstein series.

4. The Kronecker-Weber theorem.

5. Von der curves via $K$-theory.

6. Congruences between base-change and non-base-change Hilbert modular forms.
   • Cohomology of Arithmetic Groups, Automorphic Forms, and $L$-functions.

7. The arithmetic and geometry of Salem numbers, with E. Hironaka.

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.

10. Dihedral congruence primes and class fields of real quadratic fields, with A. Brown.

11. An introduction to congruences between modular forms.

12. Complex multiplication.
    • Elliptic curves, Modular forms and Cryptography.

13. Endomorphism algebras of motives attached to elliptic modular cusp forms, with A. Brown.

15. On the local behaviour of ordinary $\Lambda$-adic Galois representations, with V. Vatsal.

16. Taylor-Wiles systems.

17. On the Brauer class of modular endomorphism algebras, with E. González-Jiménez and J. Quer.

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.

21. On the freeness of the integral cohomology groups of Hilbert-Blumenthal varieties as Hecke modules.
   • International Colloquium on Cycles, Motives and Shimura Varieties.

22. $\Lambda$-adic forms and the Iwasawa main conjecture, with D. Banerjee and N. Kumar.
   • Guwahati Workshop on Iwasawa Theory of Totally Real Fields.

23. Locally indecomposable Galois representations, with V. Vatsal.

24. On crossed product algebras attached to weight one forms, with D. Banerjee.

25. $(p,p)$-Galois representations attached to automorphic forms on $\text{GL}_n$, with N. Kumar.

27. On classical weight one forms in Hida families, with M. Dimitrov.

28. Adjoint lifts and modular endomorphism algebras, with D. Banerjee.

29. Control theorems for ordinary 2-adic families of modular forms, with N. Kumar.

30. On local Galois representations associated to ordinary Hilbert modular forms, with B. Balasubramanayam and V. Vatsal.

31. Class field theory and complex multiplication + Counting weight one forms.

32. Reductions of Galois representations via the mod p local Langlands correspondence, with A. Ganguli.

33. Supercuspidal ramification of modular endomorphism algebras, with S. Bhattacharya.

34. Reductions of Galois representations for slope in (1, 2), with S. Bhattacharya.

35. Sums of fractions and finiteness of monodromy, with T. N. Venkataramana.

36. Reductions of Galois representations of slope 1, with S. Bhattacharya and S. Rozensztajn.
   • J. Algebra **508** (2018), 98–156.

37. p-adic Rankin product L-functions, with V. Ravitheja.

38. p-adic Asai L-functions attached to Bianchi cusp forms, with B. Balasubramanyam and R. Vangala.
39. On non-admissible irreducible modulo $p$ representations of $\text{GL}_2(\mathbb{Q}_p^2)$, with M. Sheth.

40. A zig-zag conjecture and local constancy for Galois representations.
   - RIMS Kōkyūroku Bessatsu B86 (2021), 249–268.

41. Reductions of Galois representations of slope $\frac{3}{2}$, with V. Rai.

42. The monomial lattice in modular symmetric power representations, with V. Ravitheja.

43. Diagrams and mod $p$ representations of $p$-adic groups, with M. Sheth.

44. Reductions of Galois representations and the theta operator, with A. Kumar.


Version: March 2022.