



Curriculum Vitae of VASUDEVAN SRINIVAS, born 6th June, 1958 at Delhi, India, Indian citizen

Present position Distinguished Professor, Tata Institute of Fundamental Research

Mailing Address School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005, India.

e-mail srinivas@math.tifr.res.in

Telephone (91)(22) 22782217 (Off.); (91)(22) 22804966 (Res.) *Fax* (91)(22) 22804666 OR 22804610 OR 22804611

Education B.Sc., 1977, St. Joseph's College, Bangalore University, Bangalore, India: M.S., 1978, and Ph.D., 1982, University of Chicago, Chicago, IL., USA.

Research field Algebraic Geometry.

Subfields of interest (i) Algebraic cycles (ii) Commutative Algebra (iii) Characteristic p methods (iv) Algebraic K-theory

Some Visiting positions held

IAS (Princeton), Duke University (Durham), Northeastern University (Boston), University of Utah, University of Chicago, Math. Sciences Res. Institute (Berkeley), U. of Michigan (Ann Arbor), USA; Max Planck Inst. (Bonn), University of Essen, and Freie Uni., Berlin, Germany; Univ. Paris Sud (Orsay), and Univ. Paris VII, France; UNAM and UAM, Mexico.

Awards and distinctions

Indian National Science Academy Medal for Young Scientists, 1987; elected Fellow of Indian Academy of Sciences, 1994; B. M. Birla Science Award received in 1995; Swarnajayanthi Fellowship, 1998; Bhatnagar Prize, 2003; J.C.Bose Fellowship, 2008; TWAS Mathematics Prize, 2008; elected Fellow of INSA, 2008; invited speaker at ICM 2010; elected Member at Large (2011-2014), Executive Committee, International Mathematical Union; re-elected Member at Large (2015-2018); selected as member of Inaugural Class of Fellows of the American Mathematical Society, 2013; Humboldt Research Award, 2013; elected Fellow of TWAS (2014); Einstein Visiting Fellow, FU, Berlin (2016-2019); International Review Panel member, Peking University School of Math. Sciences and Beijing International Research Centre (2017); DFG Mercator Fellowship, Univ. of Duisburg-Essen, 2020-2024; Member, IMU Nominating Committee, ICM 2022; Member, Panel for Algebraic and Complex Geometry, ICM 2022.

Editorial Board Memberships

(i) *Algebra and Number Theory* (www.jant.org).

(ii) *Journal of Algebra* (www.sciencedirect.com/science//journal/00218693)

(iii) *Mathematische Annalen* (www.springerlink.com/content/100442/)

(iv) *Journal of the Indian Mathematical Society* (<http://www.indianmathsociety.org.in/jims.htm>)

(v) *Indian Journal of Pure and Applied Mathematics* www.insaindia.res.in/ijpam.php

Some External Committee Work

Program Action Committee (Math.), Dept. of Science and Technology, India (1994-95); School Advisory Board, Central Univ., Hyderabad (1998-99); UGC Advisory Committee, DSA Program, U. Allahabad (1999-2000); Bhatnagar Award Committee, CSIR; Math. Sectional Committee, Indian Academy of Sci. (2002-2003). Member of National Committee for Math. of INSA (adhering organization to IMU) 2008 to date (ex-officio during 2011-2018, as IMU EC Member); member of F.I.S.T. Committee, Math. Sci., DST. Have been “external expert member” of Faculty Recruitment Committees and Promotion Committees at several institutions. Presently Chairman of the National Board for Higher Mathematics, India; Member of Governing Councils of Harishchandra Research Institute, Prayagraj (Allahabad), of the Chennai Mathematical Institute, Chennai and of the Institute of Mathematics and its Applications, Bhubaneswar, India.

Books & Monographs

- (i) *Algebraic K-Theory*, Progress in Math. Vol. 90, Birkhäuser, Boston, Inc. (1991) (based on course taught in Mumbai, 1986-87). Second Edition: 1995. Reprinted in Modern Birkhäuser Classic series, 2008.
- (ii) L. Barbieri-Viale and V. Srinivas, *Albanese and Picard 1-Motives*, Mémoires de la Société Mathématique de France, Vol. 87 (2001) vi+104 pp.
- (iii) Editor, *Proceedings of the International Colloquium on Cycles, Motives and Shimura Varieties, Mumbai 2008*, Tata Institute of Fundamental Research Studies in Math. (2010), Narosa Publishing House.

Ph.D. Theses supervised

- (i) A. J. Parameswaran, *Topics in Singularity Theory*, 1991.
- (ii) J. G. Biswas, *Topics in Algebraic Cycles*, 1997.
- (iii) Amalendu Krishna, *Zero Cycles and K-theory on normal surfaces*, 2001.
- (iv) Vivek Mallick, *Roitman's theorem for singular projective varieties in arbitrary characteristic*, 2008.
- (v) Ronnie Sebastian, *Topics in algebraic geometry*, 2011.
- (vi) Anand Sawant, \mathbb{A}^1 *connected components of schemes*, 2014.
- (vii) K. V. Shuddhodhan, *Self maps of varieties over finite fields*, 2018.
- (viii) Rakesh Pawar, *Action of correspondences on cohomology and 0-cycles*, 2017.
- (ix) Marcin Lara, *Homotopy exact sequence for the pro-etale fundamental group*, 2019 (co-advisor, with H. Esnault).
- (x) Marco D'Addezio, *Monodromy groups in positive characteristics*, 2019 (co-advisor, with H. Esnault).

Some recent publications

1. A. Krishna, V. Srinivas, *Zero cycles and K-theory on normal surfaces*, Annals of Math. 156(2002)155-195.
2. P. C. Roberts, V. Srinivas, *Modules of finite length and finite projective dimension*, Invent. Math. 151(2003)1-27.
3. G. V. Ravindra and V. Srinivas, *The Grothendieck-Lefschetz theorem for normal projective varieties*, J. Alg. Geom. 15 (2006) 563-590.
4. A. Rosenschon, V. Srinivas, *Algebraic cycles on products of elliptic curves over p-adic fields*, Math. Annalen 339 (2007) 241-249.
5. V. Srinivas, W. van der Kallen, *Finite Schur filtration dimension for modules over an algebra with Schur filtration*, Transform. Groups 14 (2009) 695–711.
6. J. Fasel, V. Srinivas, *Chow-Witt groups and Grothendieck-Witt groups of regular schemes*, Adv. Math. 221 (2009) 302-329.
7. H. Esnault, V. Srinivas, *Algebraic versus topological entropy for surfaces over finite fields*, Osaka J. Math. 50 (2013) 827-846.
8. S. Bloch, A. Huang, B. H. Lian, V. Srinivas, Sing-Tung Yau, *On the holonomic rank problem*, J. Differential Geometry 97 (2014) 11-35.

9. H. Esnault, V. Srinivas, *Simply connected varieties in characteristic $p > 0$* (with an appendix by J.-B. Bost), *Compositio Math.* 152(2) (2016) 255-287.
10. V. Srinivas, S. Takagi, *Nilpotence of Frobenius and the Hodge Filtration*, *Adv. Math.* 305 (2017) 456-478.
11. H. Esnault, V. Srinivas, *A relative version of Gieseker's problem on stratifications in characteristic $p \neq 0$* , *IMRN* (2019) No. 18, 5635-5648.
12. H. Esnault, M. Schusterman, V. Srinivas, *Finite presentation for the tame fundamental group*, *Selecta Math. (NS)* 28 (2022) No. 2, Paper number 37.