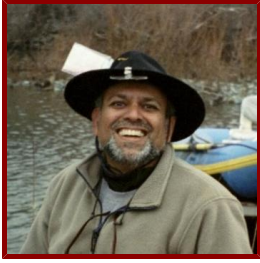


Stanford



Shripad Tuljapurkar

The Dean and Virginia Morrison Professor of Population Studies
Biology

Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Member, Bio-X
- Affiliate, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Center for Population Research, (2010-2015)
- Director, Demography Core, Center for Demography and Economics of Health and Aging, (2009-2014)

LINKS

- My own lab site: <http://popstudies.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Shripad Tuljapurkar is Professor of Biology and the Dean & Virginia Morrison Professor of Population Studies at Stanford University. His research areas include stochastic dynamics of human and natural populations; life history evolution, especially senescence; prehistoric societies; and probability forecasts including sex ratios, mortality, aging and fiscal balance.

Tuljapurkar directs Stanford's Center for Population Research and the demography program at Stanford's Center for the Demography and Economics of Health and Aging. He is a member of the Center for the Demography and Economics of Aging at the University of California, Berkeley. He has led a panel on aging for the International Union for the Scientific Study of Population and served on the Technical Advisory Panel to the US Social Security Administration. He received the 1996 Mindel Sheps Award from the Population Association of America, and a John Simon Guggenheim Fellowship in 1998.

Teaching

COURSES

2016-17

- Matrix Methods for Dynamic Models and Data Analysis: BIO 329 (Aut)
- Stochastic Methods for Simulation, Dynamics and Data Analysis: BIO 330 (Win)

2015-16

- Essential Statistics for Human Biology: BIO 108, HUMBIO 85A (Spr)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Diana Rypkema

Undergraduate Major Advisor

Pallavi Krishnarao

Doctoral (Program)

Diana Rypkema

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (Phd Program)

Publications

PUBLICATIONS

- **Des différences, pourquoi? Transmission, maintenance and effects of phenotypic variance.** *journal of animal ecology*
Plard, F., Gaillard, J., Coulson, T., Tuljapurkar, S.
2016; 85 (2): 356-370
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- **Dynamic heterogeneity and life histories** *Workshop on Reproductive Aging*
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- **Inequality in life spans and a new perspective on mortality convergence across industrialized countries** *POPULATION AND DEVELOPMENT REVIEW*
Edwards, R. D., Tuljapurkar, S.
2005; 31 (4): 645-?
- **Population forecasting for fiscal planning: Issues and innovations** *Conference on Demographic Change and Fiscal Policy*
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Lee, R. D., Tuljapurkar, S.
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Chery, L., Maki, J. N., Mascarenhas, A., Walke, J. T., Gawas, P., Almeida, A., Fernandes, M., Vaz, M., Ramanan, R., Shirodkar, D., Bernabeu, M., Manoharan, S. K., Pereira, et al
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- **Racial and Socioeconomic Variation in Genetic Markers of Telomere Length: A Cross-Sectional Study of U.S. Older Adults.** *EBioMedicine*
Hamad, R., Tuljapurkar, S., Rehkopf, D. H.
2016; 11: 296-301
- **Reply to Yang et al.: GCTA produces unreliable heritability estimates.** *Proceedings of the National Academy of Sciences of the United States of America*
Krishna Kumar, S., Feldman, M. W., Rehkopf, D. H., Tuljapurkar, S.
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- **Distinct genomic architecture of Plasmodium falciparum populations from South Asia.** *Molecular and biochemical parasitology*
Kumar, S., Mudeppa, D. G., Sharma, A., Mascarenhas, A., Dash, R., Pereira, L., Shaik, R. B., Maki, J. N., White, J., Zuo, W., Tuljapurkar, S., Duraisingh, M. T., Gomes, et al
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- **Demographic effects of extreme weather events on a short-lived calcareous grassland species: stochastic life table response experiments** *JOURNAL OF ECOLOGY*
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- **A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees** *ECOLOGY*
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- **Estimating stochastic elasticities directly from longitudinal data** *ECOLOGY LETTERS*
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