

# UTPAL SMART PH.D. - CURRICULUM VITAE

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## EDUCATION

- 2016 - **Ph.D.** Quantitative Biology  
University of Texas at Arlington,  
U.S.A.  
*Dissertation: Tracing the Dawn of the Elapidae through the Molecular Systematics and historical Biogeography of Old World Coralsnakes.*
- 2008 - **M.Sc.** Ecology and Environmental Sciences  
Pondicherry University, India.  
*Thesis: Microhabitat Description, Ethogram and Time Budget of Vijayachelys sylvatica in Karian Shola National Park, Western Ghats, South India.*
- 2005 - **B.A.** English Literature  
Sri Aurobindo International Center of Education, India.

## PROFESSIONAL POSITIONS

- 2024-Present **Assistant Professor of Biology**, Texas A&M University – San Antonio
- 2021–2024 **Postdoctoral Research Associate**, Texas State University.
- 2021–2024 **Adjunct Professor**, Texas State University.
- 2018–2021 **Postdoctoral Scholar**, University of North Texas Health Science Center.
- 2017–2018 **Adjunct Professor**, Dallas College.
- 2017 **Adjunct Professor**, Tarrant County Community College District.
- 2010-2016 **Graduate Teaching Assistant**, University of Texas at Arlington.
- 2008-2009 **Ecologist**, Care Earth Trust.

## COURSES TAUGHT

**Genetics**, Lecture, Texas A&M University – San Antonio  
**General Biology I – Attributes of Living Systems**, Lecture, Texas A&M University – San Antonio  
**R for Biologists**, Texas State University  
**Human Anatomy and Physiology I**, Lecture and Lab, Dallas College  
**Human Anatomy and Physiology II**, Lab, Dallas College  
**Introductory Biology for Non-Majors**, Lecture and Lab, Tarrant County Community College District  
**Cell and Molecular Biology for Majors** – Lab, Tarrant County Community College District

## SELECTED PEER REVIEWED PUBLICATIONS (OUT OF 28 TOTAL; H-INDEX - 12)

1. **Smart, U.**, McCracken, S., Brunner, R., Rivera, C., & Rodriguez, D. (in review). Elevated prevalence of chytrid infections in anurans of a lowland rainforest in the Ecuadorian Amazon. *Neotropical Diversity*

2. Samuelson#, C. S., **Smart, U.**, & Smith, E. N. (in review). Systematics of the Central American Coralsnakes of the *Micrurus alleni* complex. *Herpetologica*.
3. Jowers, M.J., **Smart, U.**, Sánchez-Ramírez, S. *et al.* (2023). Unveiling underestimated species diversity within the Central American Coralsnake, a medically important complex of venomous taxa. *Nature: Scientific Reports* 13, 11674.
4. Arifin, U., **Smart, U.**, Husemann, M., Hertwig, S. T., Smith, E. N., Iskandar, D. T., & Haas, A. (2022). Phylogeographic inference of Sumatran ranids bearing gastromyzophorous tadpoles with regard to the Pleistocene drainage systems of Sundaland. *Nature: Scientific Reports*, 12(1), 1-12
5. **Smart, U.**, Ingrasci, M., J., Lalremsanga, H., Murphy, R., W., Ota, H., Tu, M., C., Souche, Y., Orlov, N., and Smith, E.N. (2021). A comprehensive appraisal of evolutionary diversity in venomous Asian coralsnakes of the genus *Sinomicrurus* (Serpentes: *Elapidae*) using Bayesian coalescent inference and supervised machine learning. *Journal of Zoological Systematics and Evolutionary Research*, 59 (8), 2212– 2277

## BOOKS AND POPULAR ARTICLES

- **Smart, U.** 2015. A Saga of Slime and Scales: the untold story of Indonesia's herpetofauna. *Nature Watch Singapore*, Volume 23 No 4: 4–9.
- **Smart, U.**, Daniels, R. J. R., Daniels, R. and Vencatesan, J. 2012. A Pictorial Guide to the Birds of Pallikaranai Marsh, Commemorative Volume - World Wetlands Day. Tamil Nadu Forest Department, Chennai, India. Pp. 68.
- Davidar, P., **Smart, U.**, Nayak, G. and Mondreti, R. 2011. The Fauna of Pondicherry University Campus. Pondicherry University Publications, Puducherry, India. ISBN 978- 81-920-894-0-9. Pp. 98.
- **Smart, U.** 2010. Turtles of the Rain. *Sanctuary Asia Magazine* XXX (2): 66–69.