

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

Methods in Field Biology, Lecture, Texas A&M University – San Antonio
Special Topics: GIS, Lecture, Texas A&M University – San Antonio
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 33 TOTAL; H-INDEX - 14)

1. **Smart, U.**, McCracken, S., Brunner, R., Rivera, C., & Rodriguez, D. (2024). Detection of the *Batrachochytrium dendrobatidis* global panzootic lineage in Ecuadorian anurans of the Amazonian lowlands. *Diseases of Aquatic Organisms*, 160.
2. 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.
3. 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.
4. **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
5. **Smart, U.**, Churchill, J., C., & Budowle, B. (2021). International Wildlife Trafficking: A perspective on the challenges and potential forensic genetics solutions. *Forensic Science International: Genetics*, 54, 102551.

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.

SERVICE

Associate editor – Herpetological Conservation and Biology