

Welcome to the House of Slytherin: Salazar's pit viper, a new green pit viper from India

April 21 2020



Trimeresurus salazar sp. nov. juvenile male from Pakke Tiger Reserve Credit: Aamod Zambre and Chintan Seth, Eaglenest Biodiversity Project

A new green pit viper species of the genus *Trimeresurus* was discovered during the herpetological expedition to Arunachal Pradesh in India, part of the Himalayan biodiversity hotspot. The scientists named the newly-discovered snake *Trimeresurus salazar* after a Parselmouth (able to talk with serpents) wizard, co-founder of Hogwarts School of Witchcraft and Wizardry and the founder of the House of Slytherin—Salazar Slytherin, the fictional character of J.K. Rowling's saga "Harry Potter."

The discovery, authored by Zeeshan Mirza of the National Centre for Biological Sciences, Bengaluru, Mr. Harshal and Mr. Mandar of the Bombay Natural History Society, Mumbai, Mr. Gowande of Pune's Fergusson College and Mr. Phansalkar of the Wildlife Institute of India, Dehradun, is published in the open-access journal *Zoosystematics and Evolution*.

The pit vipers in the genus *Trimeresurus* are charismatic venomous serpents, distributed widely across east and southeast Asia. In total, the genus includes at least 48 species, with fifteen representatives occurring in India. The species belonging to the genus are morphologically cryptic, which makes it difficult to distinguish them in the field. As a result, their real diversity could be underestimated.

Arunachal Pradesh, where the [new species](#) was found, belongs to the Himalayan biodiversity hotspot, which explains the diverse flora and fauna being continuously discovered there.

The new green pit viper demonstrates a unique orange to reddish stripe, present on the head and body in males.

Explaining the name of the new species, the scientists suggest that it is colloquially referred to as the Salazar's pit viper.

This is already the second [species](#) discovered within the course of the

expedition to Arunachal Pradesh, which reflects the poor nature of biodiversity documentation across north-eastern India.

"Future dedicated surveys conducted across northeastern India will help document biodiversity, which is under threat from numerous development activities that include road widening, agriculture, and hydro-electric projects," shares the lead researcher Dr. Zeeshan A. Mirza from National Centre for Biological Science of Bangalore, India.

More information: Zeeshan A. Mirza et al, A new species of green pit vipers of the genus *Trimeresurus* Lacépède, 1804 (Reptilia, Serpentes, Viperidae) from western Arunachal Pradesh, India, *Zoosystematics and Evolution* (2020). [DOI: 10.3897/zse.96.48431](https://doi.org/10.3897/zse.96.48431)

Provided by Pensoft Publishers

Citation: Welcome to the House of Slytherin: Salazar's pit viper, a new green pit viper from India (2020, April 21) retrieved 27 June 2024 from <https://phys.org/news/2020-04-house-slytherin-salazar-pit-viper.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.